

High Precision Durable Multipurpose Universal CNC Vertical Grinding Machine Z860

Specifications

Application: Industrial

Grinding Wheel: 200mm

Max. Grinding Height: 180mm

Max. Grinding Width: 180mm

Power: 2.2KW

Table Size: 400*180mm

Type: Grinding Machine

Weight: 800KG

Dimension: 1000*800*1700mm

Material: Metal

Max. Grinding Length: 400mm

Name: Vertical Grinding Machine

Speed: 1400rpm

Table Travel: 400mm

Voltage: 220V

High Light:

**Durable Vertical Grinding Machine.
Vertical Grinding Machine Multiscene.
Stable CNC Grinding Services**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Technical specification:

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
Grinding wheel head	Grinding wheel dressing	mm	Automatic type
	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Manual Cylindrical Grinding Machine For Multiple Workpieces, Economic Cylindrical Grinder

Specifications

Control System: Manual

Dimension: 2000mm*1200mm*1800mm

Grinding Wheel Motor: 4kw

Max. Workpiece Diameter: 500mm

Max. Workpiece Weight: 100kg

Table Size: 1000mm*500mm

Type: CNC Grinder Machine

Cooling System: Air Cooling

Grinding Wheel: Diamond, CBN, Aluminum Oxide

Grinding Wheel Speed: 0-4500rpm

Max. Workpiece Length: 1000mm

Power Supply: 380V

Table Speed: 0-10m/min

Weight: 3000kg

High Light:

Multiple Workpieces Cylindrical Grinding Machine.

Economic Cylindrical Grinding Machine.

Manual Cylindrical Grinding Machine



Device description:

The body and components are cast by Milhanna high grade cast iron FC30. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

The grinding wheel spindle adopts FAG high-precision bearings, the first four and the second two sleeve structure, without separate lubrication, simple maintenance, free of metal-to-metal contact, and can obtain nearly permanent service life. The grinding wheel spindle has the characteristics of high rigidity and high precision. For special workpiece grinding, the grinding wheel speed can be adjusted to increase the linear speed

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

Special thread for lead screw/tap Grinding process of shovel grinding

The spindle is equipped with high resolution encoder as position feedback, full closed-loop control. Simple assembly, short transmission chain, compact structure, good accuracy and stability.

Equipped with CNC grinding wheel dresser, interpolated by two CNC axes W and V, High precision dressing of grinding wheel is carried out by diamond disc wheel driven by servo motor.

Linear movement of workpiece is driven by linear motor and equipped with high resolution grating ruler. Ensure high precision machining.

Center hole distance	300 mm
Center height	136 mm
Maximum workpiece size	Ø127*300 mm
X-axis stroke	200mm
Z-axis stroke	420mm
Minimum X/Z axis resolution	0.0001mm

Computerized CNC Grinder Machine Multipurpose Stable High Speed-P3060

Specifications

Grinding Control: Computerized

Grinding Accuracy: High Accuracy

Grinding Table: High Quality

Grinding Capacity: High Precision

High Light:

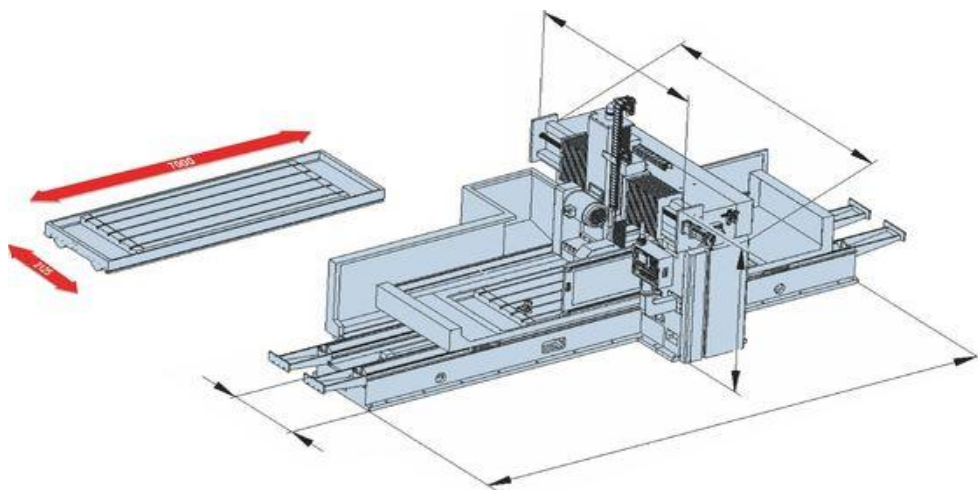
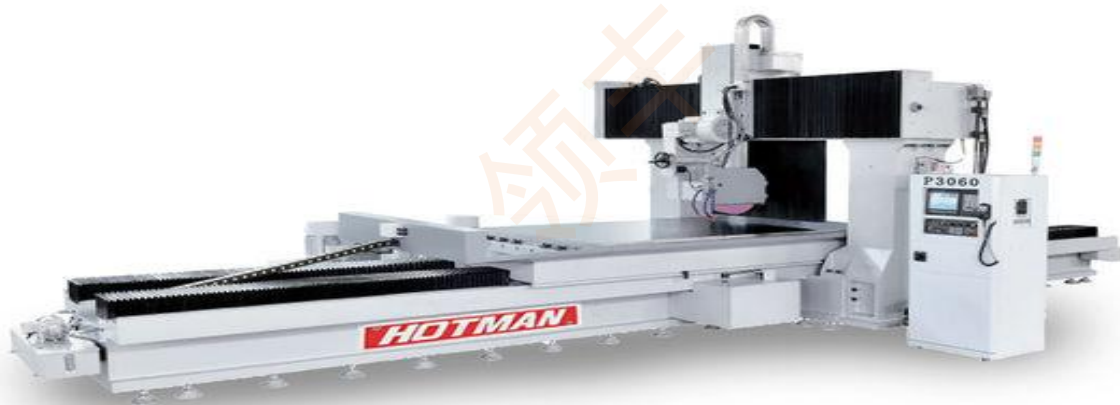
**Computerized CNC Grinder Machine,
CNC Grinder Machine Multipurpose,
Stable CNC Grinding Machine**

Grinding Head: High Speed

Grinding Cooling: High Efficiency

Grinding Wheel: Diamond

Grinding Method: CNC Control



CNC Grinder Machine

This state-of-the-art CNC Grinder Machine is designed to provide accurate and precise grinding with its computer-controlled grinding method and high-quality grinding table. This CNC Grinder Machine is capable of delivering high-speed grinding with its automatic numerical control. The computer-controlled grinding method enables the user to have complete control over the grinding process, offering precise and accurate results. This CNC Grinder Machine is ideal for a wide range of grinding applications, from precision grinding to high-speed grinding, and will help you achieve the desired results with ease.

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
.Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
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7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Technical Parameters:

Parameter	Value
Type	Computer-Controlled Grinding Machine
Grinding Capacity	High Precision
Grinding Method	CNC Control
Grinding Motor	High Power
Grinding Protection	High Safety
Grinding Table	High Quality
Grinding Speed	High Speed
Grinding Head	High Speed
Grinding Cooling	High Efficiency
Grinding Lubrication	Automatic
Type	Automated Numerical Control Grinder Machine/ Automatic Numerical Control Grinder Machine

领丰

H400 Durable Industrial CNC Tool Grinding Machine , H400 Automatic Precision CNC Grinding

Specifications

Grinding Wheel: 150mm

Grinding Wheel Feeding Mode: Manual/Automatic

Grinding Wheel Feeding Speed: 0-100mm/min

Grinding Wheel Hole: 20mm

Grinding Wheel Speed: 3000rpm

Power Supply: Electric

Speed: 6000rpm

Weight: 500KG

Grinding Wheel Feeding Accuracy: 0.01mm

Grinding Wheel Feeding Motor: 0.04KW

Grinding Wheel Feeding Stroke: 100mm

Grinding Wheel Motor: 0.75KW

Power: 2.2KW

Product Name: CNC Grinder Machine

Voltage: 380V

High Light:

**Durable CNC Tool Grinding Machine.
Industrial CNC Tool Grinding Machine.
Automatic Precision CNC Grinding**



H400 Equipment pre-acceptance:

1, Conditions for pre-acceptance:

(1) The buyer shall provide the confirmed drawings, samples and test specifications related to the grinding work piece before signing the contract and technical agreement

The Seller shall keep confidential all the technical data provided by the buyer. The seller shall inform the buyer 10 days before the pre-acceptance, and the buyer shall prepare 30 pieces of relevant work pieces and send them to the Seller or the buyer shall take the work pieces to the Seller's factory for site acceptance according to the circumstances.

The Seller shall make preparations for the pre-acceptance before the Buyer's personnel arrive at the equipment manufacturing plant.

The parameters of the grinding wheel will be selected by the seller according to the drawings provided by the customer, and relevant grinding wheels will be configured after signing the contract.

2, Contents and standards of pre-acceptance: acceptance specifications agreed by both parties shall be carried out according to drawing standards provided by the buyer.

(1) Device appearance check.

(2) Convenience of operation and maintenance of the equipment (subject to the design of Seller's machine tool equipment).

(3) Influence of strength and rigidity of the equipment on quality (subject to the equipment accuracy test table provided by the seller)

(4) Equipment operation measured record (empty, full load running time, content, etc.).

(5) The main performance index of the equipment is recorded.

(6) Test records and assembly records of main parts.

(7) Confirmation of important parts.

(8) 30 pieces of grindable products were processed continuously, which met the requirements of the drawings and the equipment ran normally.

The waste products allowed to be processed by the seller during the grinding process of the pre-acceptance work piece will be shipped to the buyer together with qualified test pieces or with the shipping machine.

3, In the process of pre-acceptance, the buyer has the right to put forward reasonable rectification opinions on the equipment, and the seller can make rectification upon the consent of both parties.

4, The Seller can ship the equipment to the buyer only after the seller signs the pre-acceptance document.

FX27-60 380V 50HZ High Precision Cylindrical Grinding Machine

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 3000rpm

Max. Grinding Length: 400mm

Name: Cylindrical Grinder Machine

Power Supply: 380V/50HZ

Resolution: 0.001mm

Table Speed: 2-20m/min

Type: Grinding Machine

Grinding Wheel Motor Power: 2.2KW

Max. Grinding Height: 200mm

Max. Grinding Width: 200mm

Positioning Accuracy: 0.005mm

Repeatability Accuracy: 0.003mm

Table Size: 400x200mm

Table Travel: 400x200mm

High Light:

**Cylindrical CNC Grinder Machine. CNC Grinder Machine 380V.
50HZ Cylindrical Grinding Machines**



Cylindrical Grinder Machine

This state-of-the-art Cylindrical Grinding Machine is designed to provide accurate and precise grinding with its computer-controlled grinding method and high-quality grinding table. This Cylindrical Grinding Machine is capable of delivering high-speed grinding with its automatic numerical control. This Cylindrical Grinding Machine is ideal for a wide range of grinding applications, from precision grinding to high-speed grinding, and will help you achieve the desired results with ease.

Features:

Product Name:Cylindrical Grinding Machine

Grinding Accuracy: High Accuracy

Grinding Lubrication: Automatic

Grinding Tool: High Performance

Grinding Motor: High Power

Technical Parameters:

Parameter	Value
Type	Cylindrical Grinder Machine
Grinding Capacity	High Precision
Grinding Method	Manual operation
Grinding Motor	High Power
Grinding Protection	High Safety
Grinding Table	High Quality
Grinding Speed	High Speed
Grinding Head	High Speed
Grinding Cooling	High Efficiency
Grinding Lubrication	Automatic

SOD31 Industrial CNC Tool Grinder Corrosion Resistance With Air Cooling

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Cooling Method: Air Cooling

Grinding Wheel Motor Efficiency: IE2

Grinding Wheel Motor Insulation Class: F

Grinding Wheel Motor Power: 7.5KW

Grinding Wheel Motor Speed: 1400rpm

Grinding Wheel Motor Weight: 7.5KG

Product Name: CNC Grinder Machine

Grinding Wheel Motor Brand: Siemens

Grinding Wheel Motor Current: 13A

Grinding Wheel Motor Frequency: 50Hz

Grinding Wheel Motor Model: 1LE7

Grinding Wheel Motor Protection Level: IP54

Grinding Wheel Motor Voltage: 380V

Grinding Wheel Speed: 6000rpm

High Light:

**Industrial CNC Tool Grinder.
CNC Tool Grinder Corrosion Resistance.
Air Cooling CNC Industrial Machine**



领军



1. Adaptable to a variety of shapes/high efficiency:

Special-shaped punch/special-shaped mold/polygon/ellipse/CAM and other complex polyhedral coordinate grinding models.

Grinding efficiency: 7 minutes /1 piece

Yield: 95%



2. Expert in non-circular workpiece grinding:

Strong grinding force, high processing efficiency can greatly reduce the cost of irregular grinding. Excellent imported linear motor and torque motor applications, running more stable, accuracy can be maintained for a long time.

Customized control system makes the operation more simple and efficient in irregular grinding.

Through no backgap high speed and high precision feed due to the direct drive of the workpiece head frame.



Machining diameter range	Ø5~Ø300mm	
Working length	150mm	
Maximum stroke of X axis	370mm	
Maximum z-axis stroke	270mm	
Spindle speed of grinding wheel	50~3000rpm	
Minimum X/Z axis feed unit	0.001mm	

FX27-60 Internal Hole CNC Grinder Machine 6KW Multifunctional 3000rpm

Specifications

Grinding Wheel Abrasive Layer Thickness: 3mm

Grinding Wheel Diameter: 200mm

Grinding Wheel Material: Diamond

Grinding Wheel Size: 200mm

Grinding Wheel Thickness: 20mm

Grinding Wheel Working Temperature: 25°C

Rotational Speed: 3000rpm

Voltage: 380V

Grinding Wheel Bore Diameter: 20mm

Grinding Wheel Hole Diameter: 20mm

Grinding Wheel Maximum Processing Size: 200mm

Grinding Wheel Speed: 45m/s

Grinding Wheel Working Pressure: 0.6Mpa

Power: 6KW

Type: CNC Grinder Machine

High Light:

CNC Grinder Machine 6KW, CNC Grinder Machine Multifunctional , 3000rpm Hole Grinding Machine



Product Description:

CNC Grinder Machine

This state-of-the-art CNC Grinder Machine is designed to provide accurate and precise grinding with its computer-controlled grinding method and high-quality grinding table. This CNC Grinder Machine is capable of delivering high-speed grinding with its automatic numerical control. The computer-controlled grinding method enables the user to have complete control over the grinding process, offering precise and accurate results. This CNC Grinder Machine is ideal for a wide range of grinding applications, from precision grinding to high-speed grinding, and will help you achieve the desired results with ease.

Features:

- 1.Product Name: CNC Grinder Machine
- 2.Grinding Accuracy: High Accuracy
- 3.Grinding Lubrication: Automatic
- 4.Grinding Tool: High Performance
- 5.Grinding Motor: High Power
- 6.Grinding Method: Computer-Controlled Grinding Machine, Automatic Numerical Control Grinder Machine

Technical Parameters:

Parameter	Value
Type	Computer-Controlled Grinding Machine
Grinding Capacity	High Precision
Grinding Method	CNC Control
Grinding Motor	High Power
Grinding Protection	High Safety
Grinding Table	High Quality
Grinding Speed	High Speed
Grinding Head	High Speed
Grinding Cooling	High Efficiency
Grinding Lubrication	Automatic
Type	Automated Numerical Control Grinder Machine/ Automatic Numerical Control Grinder Machine

Stable IP54 Thread Grinding Machine , TG380 Wear Resistant CNC Thread Grinder

Specifications

Control System: CNC

Dimensions(L*W*H): 2000*1000*1500mm

Grinding Wheel: Diamond

Power(W): 7.5KW

Product Name: CNC Grinder Machine

Type: Grinding Machine

Warranty: 1 Year

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Bearing: NSK

Grinding Wheel Motor Current: 13A

Grinding Wheel Motor Insulation Grade: F

Grinding Wheel Motor Protection Grade: IP54

Grinding Wheel Motor Torque: 2.2N.m

Grinding Wheel Speed: 3000rpm

Cooling System: Water Cooling

Grinding Range: 0.01-20mm

Power Source: Electric

Processing Precision: 0.001mm

Spindle Speed: 3000-6000rpm

Voltage: 380V

Weight: 1000kg

Grinding Wheel Feed Speed: 0-3000mm/min

Grinding Wheel Motor Cooling Method: Air Cooling

Grinding Wheel Motor Efficiency: 90%

Grinding Wheel Motor Power: 7.5KW

Grinding Wheel Motor Speed: 1400rpm

Grinding Wheel Motor Voltage: 380V

High Light:

Stable Thread Grinding Machine. IP54 Thread Grinding Machine. Wear Resistant CNC Thread Grinder





Thread Grinding Machine TG380

1.Strong versatility:

Special thread for lead screw/tap Grinding process of shovel grinding

2.The spindle is equipped with high resolution encoder as position feedback, full closed-loop control.Simple assembly, short transmission chain, compact structure, good accuracy and stability.

3.Equipped with CNC grinding wheel dresser, interpolated by two CNC axes W and V,High precision dressing of grinding wheel is carried out by diamond disc wheel driven by servo motor.

4.Linear movement of workpiece is driven by linear motor and equipped with high resolution grating ruler.Ensure high precision machining.

Center hole distance	300 mm
Center height	136 mm
Maximum workpiece size	Ø127*300 mm
X-axis stroke	200mm
Z-axis stroke	420mm
Minimum X/Z axis resolution	0.0001mm

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3.Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project	Unit	Model:FX32P-60CNC	
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Metal Electric CNC Grinder Machine Durable Centerless FX-24CNC

Specifications

Grinding Method: CNC

Control System: CNC

Grinding Accuracy: High

Grinding Wheel: Diamond

Name: CNC Grinder Machine

Power: Electric

Type: Grinder

Warranty: 1 Year

High Light:

**Metal CNC Grinder Machine. Electric CNC Grinder Machine.
Durable CNC Centerless Grinder**

Model: CNC Grinder Machine

Cooling System: Water

Grinding Speed: Fast

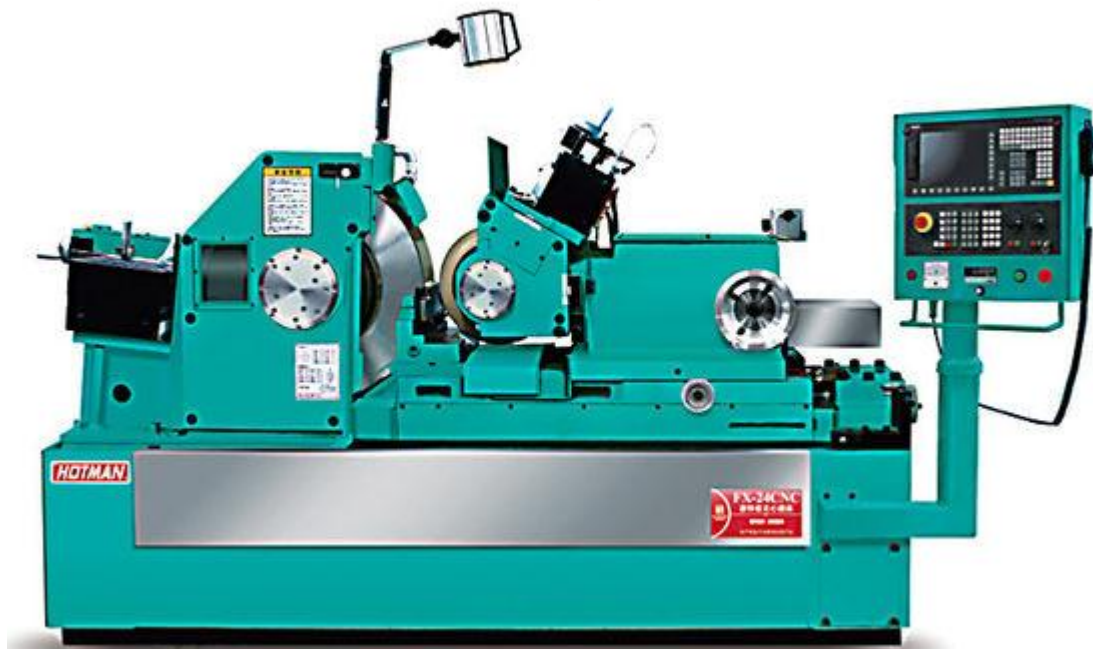
Material: Metal

Noise Level: Low

Size: Customized

Voltage: 380V

Weight: Heavy



Device description:

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7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

1. Technical parameter:

Project	Unit	Model:FX-24CNC-3
Processing range of standard models (diameter)	mm	Φ 1-80
Grinding wheel size (OD * W * OD)	mm	Φ610*(205-400)*Φ304.8
Adjusting wheel size (OD * W * OD)	mm	Φ330*(205-400)*Φ203.2
Grinding wheel speed	RPM	1350
Adjusting wheel speed	RPM	0-250
The grinding wheel drives the motor	KW	30
Adjusting wheel servo motor	KW	3
Feed servo motor	KW	3.75
Sand repair servo motor	KW	1.5KW/0.8KW
The hydraulic pump drives the motor	KW	0.75
The cooling pump drives the motor	KW	0.75
Adjusting wheel feed hand wheel	mm	3.5/ RPM 0.05/ scale
Adjusting wheel fine tuning hand wheel	mm	0.1/RPM 0.001/scale
Worktable feed hand wheel	mm	The servo feed minimum set quantity is 0.0005mm
Worktable micro adjustment hand wheel	mm	0.2/RPM 0.001/scale
Trim feed hand wheel	mm	2mm/RPM0.01mm/scale
Adjust wheel tilt Angle	degree	+5° ~ -3°
Adjust the rotation Angle	degree	±5°
Machine size (length * width * height)	mm	3200×2710×3100
Mechanical weight	KG	6500
Packing weight	KG	7000

Three Axis High Precision Industrial Small CNC Centerless Grinder Multifunctional Grinding Machine

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 3000rpm

Grinding Wheel Spindle Motor Bearing Type: Ceramic Bearing

Grinding Wheel Spindle Motor Current: 6A

Grinding Wheel Spindle Motor Insulation Level: F

Grinding Wheel Spindle Motor Protection Level: IP54

Grinding Wheel Spindle Motor Voltage: 380V

Grinding Wheel Width: 20mm

Grinding Wheel Motor Power: 3KW

Grinding Wheel Spindle Motor Bearing Life: 50000h

Grinding Wheel Spindle Motor Cooling Method: Air Cooling

Grinding Wheel Spindle Motor Frequency: 50Hz

Grinding Wheel Spindle Motor Power: 3KW

Grinding Wheel Spindle Motor Torque: 10Nm

Grinding Wheel Spindle Speed: 3000rpm

High Light:

Industrial Small CNC Grinder. Small CNC Grinder Practical. Multi Function CNC Surface Grinder



Technical specification:

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter x width x aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Centerless CNC Grinder Machine 1350RPM Multipurpose FX-24CNC-3

Specifications

Grinding Accuracy: 0.005mm

Grinding Head Motor: 0.75KW

Grinding Range: 0-100mm

Name: CNC Grinder Machine

Processing Capacity: 100pcs/min

Processing Range: 0-100mm

Type: Grinding Machine

Weight: 150KG

Grinding Head: 2

Grinding Head Speed: 0-3000RPM

Grinding Wheel: 150mm

Power: 2.2KW

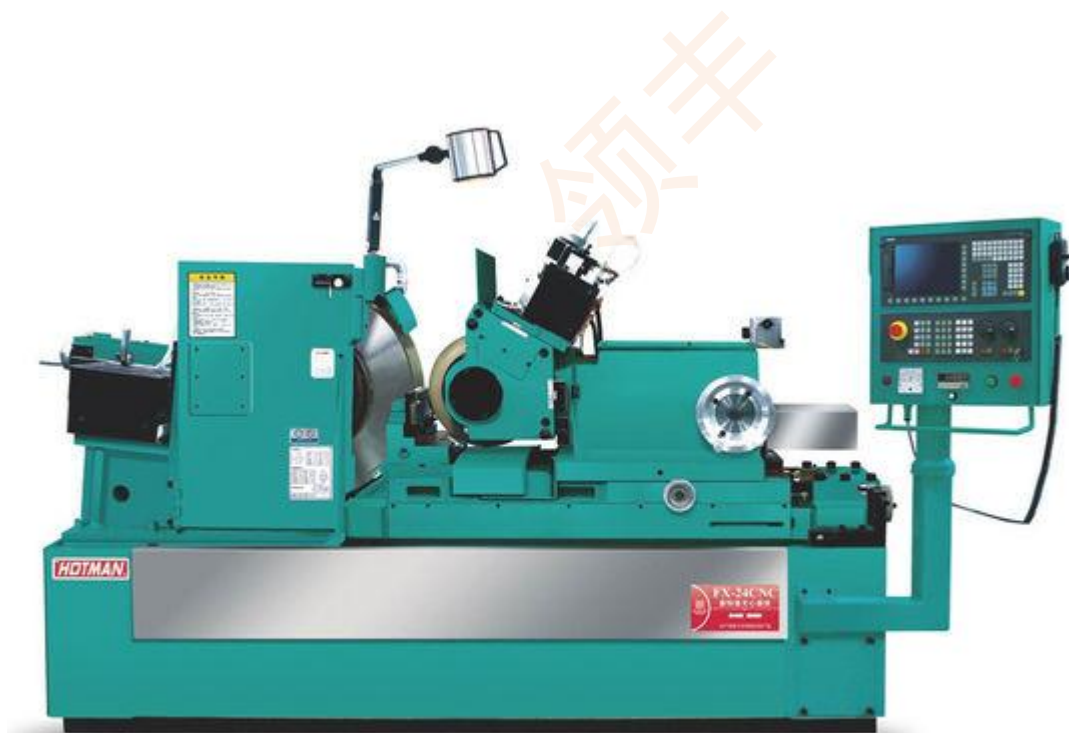
Processing Precision: 0.005mm

Speed: 3000RPM

Voltage: 220V

High Light:

**Centerless CNC Grinder Machine. CNC Grinder Machine 1350RPM
Multipurpose Centerless Grinding Machines**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Technical parameter:

Project	Unit	Model:FX-24CNC-3
Processing range of standard models (diameter)	mm	Φ 1-80
Grinding wheel size (OD * W * OD)	mm	Φ610*(205-400)*Φ304.8
Adjusting wheel size (OD * W * OD)	mm	Φ330*(205-400)*Φ203.2
Grinding wheel speed	RPM	1350
Adjusting wheel speed	RPM	0-250
The grinding wheel drives the motor	KW	30
Adjusting wheel servo motor	KW	3
Feed servo motor	KW	3.75
Sand repair servo motor	KW	1.5KW/0.8KW
The hydraulic pump drives the motor	KW	0.75
The cooling pump drives the motor	KW	0.75
Adjusting wheel feed hand wheel	mm	3.5/ RPM 0.05/ scale
Adjusting wheel fine tuning hand wheel	mm	0.1/RPM 0.001/SCALE
Worktable feed hand wheel	mm	The servo feed minimum set weight is 0.0005mm
Worktable micro adjustment hand wheel	mm	0.2/ turn 0.001/ scale
Trim feed hand wheel	mm	2mm/ turn 0.01mm/ scale
Adjust wheel tilt Angle	Degree	+5° ~ -3°
Adjust the rotation Angle	Degree	±5°
Machine size (length * width * height)	mm	3200×2710×3100
Mechanical weight	KG	6500
Packing weight	KG	7000

FX27-60-380V 4KW CNC Cylindrical Grinding Machine , Air Cooling Internal Hole Grinding Device

Specifications

Control System: CNC/Manual

Dimension: 2000mm*1200mm*1800mm

Grinding Wheel: Diamond, CBN, Aluminum Oxide

Grinding Wheel Speed: 0-4500rpm

Max. Workpiece Length: 1000mm

Power Supply: 380V

Table Speed: 0-10m/min

Weight: 3000kg

Cooling System: Air Cooling

Grinding Capacity: 0.01mm-50mm

Grinding Wheel Motor: 4kw

Max. Workpiece Diameter: 500mm

Max. Workpiece Weight: 100kg

Table Size: 1000mm*500mm

Type: CNC Grinder Machine

High Light:

**380V CNC Cylindrical Grinding Machine,
4KW CNC Cylindrical Grinding Machine,
Air Cooling Internal Hole Grinding Device**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

1. Strong versatility:Special thread for lead screw/tap Grinding process of shovel grinding
- 2.The spindle is equipped with high resolution encoder as position feedback, full closed-loop control.Simple assembly, short transmission chain, compact structure, good accuracy and stability.
3. Equipped with CNC grinding wheel dresser, interpolated by two CNC axes W and V,High precision dressing of grinding wheel is carried out by diamond disc wheel driven by servo motor.
- 4.Linear movement of workpiece is driven by linear motor and equipped with high resolution grating ruler.Ensure high precision machining.

Center hole distance	300 mm
Center height	136 mm
Maximum workpiece size	Ø127*300 mm
X-axis stroke	200mm
Z-axis stroke	420mm
Minimum X/Z axis resolution	0.0001mm



Industrial Small CNC Centerless Grinder Multifunction Grinding Machine

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 3000rpm

Grinding Wheel Spindle Motor Bearing Type: Ceramic Bearing

Grinding Wheel Spindle Motor Current: 6A

Grinding Wheel Spindle Motor Insulation Level: F

Grinding Wheel Spindle Motor Protection Level: IP54

Grinding Wheel Spindle Motor Voltage: 380V

Grinding Wheel Width: 20mm

Grinding Wheel Motor Power: 3KW

Grinding Wheel Spindle Motor Bearing Life: 50000h

Grinding Wheel Spindle Motor Cooling Method: Air Cooling

Grinding Wheel Spindle Motor Frequency: 50Hz

Grinding Wheel Spindle Motor Power: 3KW

Grinding Wheel Spindle Motor Torque: 10Nm

Grinding Wheel Spindle Speed: 3000rpm

High Light:

Multifunction CNC Centerless Grinder.

Industrial CNC Centerless Grinder. Small CNC Centerless Grinder



Device description:

1. Spindle

The spindle adopts a bearing type spindle with front and rear double support structures. After quenching and tempering, carburizing heat treatment and then computer-controlled cryogenic treatment, its surface hardness reaches above HRC-62° , and the effective hardened layer on one side reaches above 1.5mm. The spindle adopts bearings. Type structure, self-lubricating and heat dissipation, support assembly at both ends, runout less than 0.002mm.

2.Regulating wheel transmission system

The regulating wheel spindle uses a servo motor of brand Delta, with freely variable speeds ranging 0-250 rpm (digital control), and the optimum and constant linear speed can be kept even when the diameter of regulating wheel is changed owing to wearing, bringing the best grinding quality.

The servo motor is smartly assembled in the regulating wheel holder, and drives the spindle directly through synchronous belts, with the same tilting angle as the regulating wheel, to keep the two belts parallel all along, which can avoid inertia loss, and some other inconvenience brought by the old-type chain transfer system. No chain or spring has to be changed often as before.

3. Double-V guides

Adopting a double V-shaped guide rail structure, with the surface precision scraped by hand and continuously automatically lubricated, ensure the accuracy and precision of the feed.

4. Wheel dressing system

A two-axis servo automatic sand dressing system with a cross structure is used to realize two-axis linkage interpolation sand dressing through the CNC system, and form-cut grinding of workpieces with tapers and arcs is realized. The sand dressing device adopts a dovetail groove purely manual scraping structure, and the sand dressing mechanism and the grinding wheel seat are designed as separate parts to ensure the accuracy and stability of the dressing device.

5. CNC system

The CNC system is co-developed together with the software provider, which has an intuitive HMI interface in Chinese language, and is easy for learn and operation. Equipped with servo motor, for automatic wheel feeding in one axis, good compatibility, and precise feeding.

Technical specification:

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Multifunctional 3 Axis CNC Industrial Small Centerless Grinder With FUNUC Control System

Specifications

Grinding Diameter: 1 - 60 Mm

Grinding Wheel Speed: 1470rpm

Grinding Wheel Spindle Motor Bearing Type: Ceramic Bearing

Grinding Wheel Spindle Motor Current: 6A

Grinding Wheel Spindle Motor Power: 3KW

Grinding Wheel Spindle Motor Torque: 10Nm

Grinding Wheel Spindle Speed: 3000rpm

Feeding Servo Motor: 2.4 KW

Grinding Wheel Motor Size: 455*205*228.6mm

Regulating Wheel Spindle Speed: 0-250 Rpm

Grinding Wheel Spindle Motor Cooling Method: Air Cooling

Grinding Wheel Spindle Motor Frequency: 50Hz

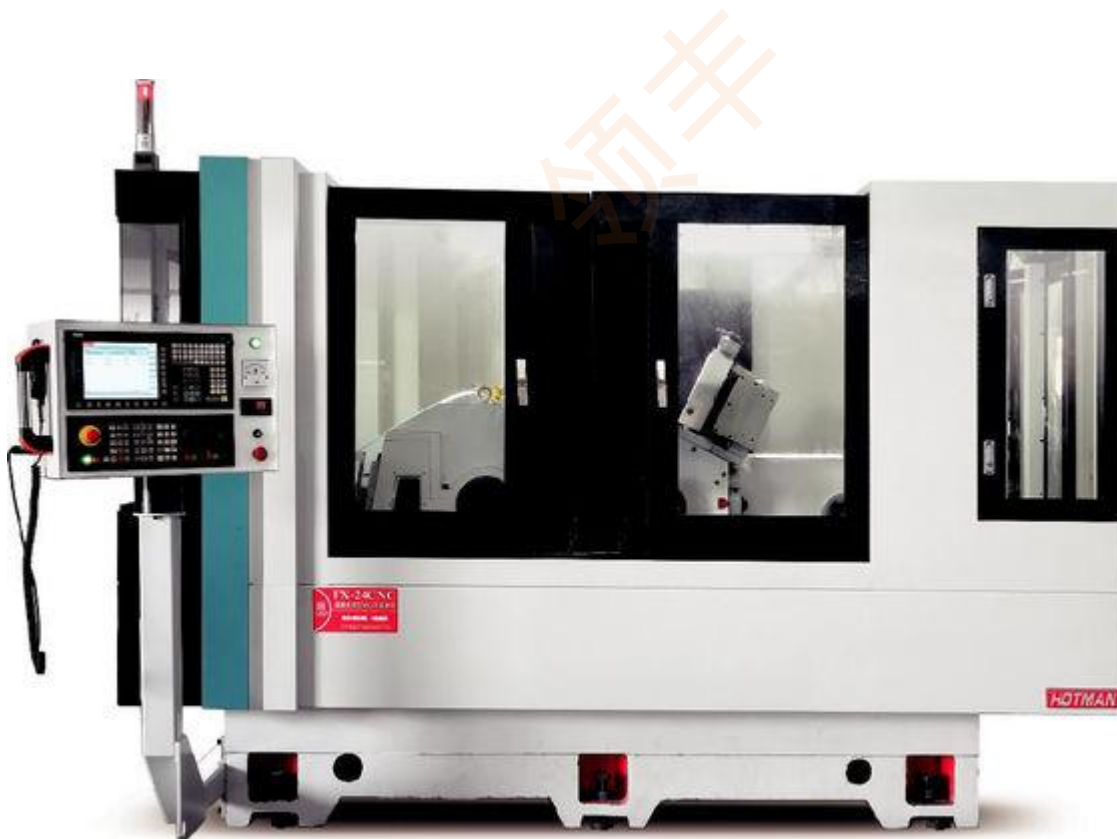
Grinding Wheel Spindle Motor Protection Level: IP54

Grinding Wheel Spindle Motor Voltage: 380V

Grinding Wheel Width: 20mm

High Light:

**Industrial Small Centerless Grinder,
Multifunctional Small Centerless Grinder,
3 Axis CNC Grinder Machine**



Device description:

The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

FUNUC numerical control system (Optional) as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Technical specification:

Project	Unit	Model:FX-24CNC-3	
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
Grinding wheel head	Grinding wheel dressing	mm	Automatic type
	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
Tail seat	Thimble specification		MT-4
	Automatic telescopic distance	mm	40
worktable	Thimble specification		MT-4
	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Cylindrical Grinder Machine with Human Dialogue Easy Programming CNC Controller, Strong Grinding Force FX32P-60CNC

Specifications

Type: Cylindrical Grinder Machine

Max Grinding Length: 600 Mm

Grinding Wheel Motor Power: 1.5 KW

Grinding Wheel Motor Voltage: 220 V/380 V

Power: 2.2 KW

Table Motor Voltage: 380 V

Voltage: 380 V

Weight: 4000 Kg

Grinding Wheel Diameter: 270 Mm

Max Grinding Diameter: 200 Mm

Control System: Siemens

Grinding Wheel Speed: 3000 Rpm

Table Motor Power: 0.75 KW

Table Speed: 1-20 M/min

Dimensions: 2800 X 2000 X 2000 Mm



Peculiarity:

FX27P-60CNC high precision straight into the cylindrical grinding machine (full cover, single-machine manipulator automatic loading and unloading)

1. Bed rotation diameter: $\Phi 270\text{mm}$, distance between two top centers: 600mm.
2. Grinding wheel speed: 1650rpm, grinding wheel size (diameter \times width \times aperture) : $\Phi 405 \times 32 \times \Phi 127\text{mm}$
3. Configure the active measuring device to realize the full closed-loop control of grinding processing.

Technical specification:

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter \times width \times aperture)	mm	455 \times 38(32-50) \times 127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Device description:

1. Cylindrical Grinder Machine body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level.
2. Cylindrical Grinder Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. The system and servo driver control precision is high, 80 bit floating-point number of nanometer calculation precision, eliminate calculation error
4. The grinding feed system is composed of a V and a flat track with precise hand cutting, automatic lubrication system, precision ball screw, high precision and high power servo motor. It has the characteristics of smooth movement, excellent repeated positioning accuracy and long service life of the track.
5. The grinding wheel main shaft is of high precision dynamic and static pressure introduced by Taiwan, sleeve structure, easy maintenance, free of metal-to-metal contact, and nearly permanent service life. The grinding wheel spindle has the characteristics of high rigidity and high precision. For special workpiece grinding, the grinding wheel speed can be adjusted to increase the linear speed.
6. The tail seat of cylindrical grinder machine is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. After the secondary development of man-machine interface, with Siemens high performance servo motor, so that the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation functions, to ensure the stability and precision of feed and grinding.

Automatic Cylindrical Grinder Machine

FX32P-60CNC Stable Practical

Specifications

Grinding Wheel Accuracy: High Accuracy

Grinding Wheel Coolant: High-pressure Coolant

Grinding Wheel Feed: Variable Feed Rate

Grinding Wheel Maintenance: Easy Maintenance

Grinding Wheel Motor: High-power Motor

Grinding Wheel Size: Various Sizes

Grinding Wheel Spindle: High-precision Spindle

Product Name: Cylindrical Grinder Machine

Grinding Wheel Control: Computerized Control

Grinding Wheel Diameter: Various Diameters

Grinding Wheel Head: Variable Head Angle

Grinding Wheel Material: Diamond, CBN, Aluminum Oxide

Grinding Wheel Protection: Automatic Protection

Grinding Wheel Speed: Variable Speed

Grinding Wheel Table: Variable Table Angle

High Light:

Automatic Cylindrical Grinder Machine.

Cylindrical Grinder Machine Stable.

Practical Cylinder Grinder Machine



Production type/full cover sheet metal:

- 1.Grinding wheel dressing device can be selected to achieve accurate CNC dressing, suitable for ordinary outer surface, conical surface, formed outer surface, R surface and groove grinding.
- 2.Equipped with imported or domestic active measuring device to realize the full closed-loop control of grinding processing.
- 3.Full range of control functions such as fault self-diagnosis and abnormal alarm.
- 4.Can be equipped with manipulator automation system, can realize fully automatic flow operation.
- 5.Full cover sheet metal, make the workshop more clean, environmental protection. Oil mist collector, clean air, suitable for air conditioning workshop

Maximum rotating diameter of table	320mm
The longest distance between the two tops	600mm
Maximum grinding diameter	Ø270mm
Grinding wheel speed	1650rpm
Minimum feed	0.001mm

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
- 3.Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
- 7.Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Industrial Universal Cylindrical Grinder , CE Precision Cylindrical Grinding Machine

Specifications

Machine Type: Cylindrical Grinder Machine

Type: Grinder Machine

Product Name: Cylindrical Grinder Machine

High Light:

Industrial Universal Cylindrical Grinder.

Universal Cylindrical Grinder Manual.

CE Precision Cylindrical Grinding Machine



Features:

1. Bed rotation diameter: $\Phi 270\text{mm}$, distance between two top centers: 600mm.
2. Grinding wheel speed: 1650rpm, grinding wheel size (diameter \times width \times aperture): $\Phi 405 \times 32 \times \Phi 127\text{mm}$
3. Configure the active measuring device to realize the full closed-loop control of grinding processing.

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

	Number	Project	Unit	Model:	FX27P-60CNC
Processing capacity	1	Maximum rotating diameter of table	mm	270	
	2	Maximum distance between two thimbles	mm(in)	600	
	3	Maximum grinding diameter	mm(in)	270	
	4	Maximum load between two parietal hearts	Kg(lb)	40/20	
	5	Grinding wheel size (diameter × width × aperture)	mm(in)	405 × 32 ~ 50 × 127	
	6	Grinding wheel speed	rpm	1570	
Grinding wheel head	7	Maximum linear speed of grinding wheel	m/s	35	
	8	Grinding wheel dressing	mm(in)	Automatic type	
	9	Minimum X-axis feed	mm(in)	0.001	
	10	Feed Angle	Deg	90	
	11	Feed stroke	mm	270	
	12	X axis fast moving speed	mm/min	0-10000	
Head frame	13	Spindle speed	rpm	10-650	
	14	Spindle form		Simultaneous or centering	
	15	Thimble specification		MT-4	
Stern frame	16	Automatic telescopic distance (hydraulic type)	mm	40	
		Thimble specification		MT-4	
worktable	17	Working mode		Manual	
	19	Z axis fast moving speed	mm/min	0-20000	
	20	Minimum z-axis feed	mm	0.001	
	21	Maximum travel	mm	550	
Motor	22	Angle of rotation	Deg	+6/-9	
	23	Grinding wheel spindle motor	KW	3.75	
	24	X-axis feed motor (servo)	KW	2.2	
	25	Z-axis feed motor (servo)	KW	2.2	
	26	Head frame spindle motor	KW	0.37	
	27	Cooling pump motor	KW	0.75	
	28	Lubricating oil motor	KW	1/4*2	
	29	Tailstock oil pump motor (Special)	KW	0.75	
Other	30	X/Z axis guide/lead screw lubricating oil		MOBIL#1409 OR ISO VG68	
	31	Net machine weight	Kg	about 3500	
	32	Gross machine weight	Kg	about 3800	
	33	Package size (length * width * height)	mm	2900*2600*1750	

FX32A-35CNC Hotman Electric 380V Cylindrical Grinder Machine Multifunctional Grinding Machine

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Hole Depth: 20mm

Grinding Wheel Hole Distance: 50mm

Grinding Wheel Hole Spacing: 50mm

Grinding Wheel Size: 200mm

Grinding Wheel Thickness: 20mm

Power Source: Electricity

Voltage: 380V

Grinding Wheel Hole Angle: 45°

Grinding Wheel Hole Diameter: 20mm

Grinding Wheel Hole Number: 4

Grinding Wheel Material: Diamond

Grinding Wheel Speed: 1400rpm

Power Consumption: 2.2KW

Type: Cylindrical Grinder Machine

High Light:

**Electric Cylindrical Grinder Machine,
380V Cylindrical Grinder Machine,
Multifunctional Cylindrical Grinding Types**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32A-35CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	250
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg	60(top center) 20 (working head)
	Grinding wheel size (diameter × width × aperture)	mm	450×50×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	35
Control system	Controller		SIEMENS
Grinding wheel head	Feed Angle	Deg	60
	X axis fast moving speed	m/min	6
	Feed stroke	mm	260
	Minimum X-axis setting unit	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	顶针规格/Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel		600
	Angle of rotation	Deg	+6/-9
Motor	Grinding wheel spindle motor	Kw	5.5
	X-axis feed motor	Kw	2.2
	Z-axis feed motor	Kw	2.2
	Head frame spindle motor	Kw	1.5
	Cooling pump motor	Kw	0.18
	Tail stock oil pump motor	Kw	0.75
	Lubricating oil	Kw	0.1
Standard accuracy	Roundness	mm	0.0015
	Cylindricity	mm	0.003
	Straightness	mm	0.003
	X-axis positioning accuracy	mm	0.003
	Z-axis positioning accuracy	mm	0.004
	X axis repeated positioning accuracy	mm	0.002
	Z-axis repeated positioning accuracy	mm	0.002
	Roughness	mm	≤Ra0.25
Other	Net machine weight	Kg	5000
	Gross machine weight	Kg	6000
	Package size (length * width * height)	mm	3500×3000×2000

50Hz CNC Heavy Duty Cylindrical Grinding Machine Practical 20m/Min FX32A-50CNC

Specifications

Product Name: Cylindrical Grinder Machine

Function: Grinding

Grinding Range: 0-500mm

Max. Load: 200kg

Power: 7.5kw

Table Size: 1000*500mm

Type: Grinding Machine

Weight: 3000kg

Dimension: 3000*2000*2000mm

Grinding Precision: 0.001mm

Grinding Wheel: Diamond Wheel

Name: Cylindrical Grinder Machine

Spindle Speed: 0-3000rpm

Table Speed: 0-20m/min

Voltage: 380V/50Hz

High Light:

**50Hz Heavy Duty Cylindrical Grinding Machine,
Heavy Duty Cylindrical Grinding Machine Practical,
20m/min CNC Grinder Machine**



Peculiarity:

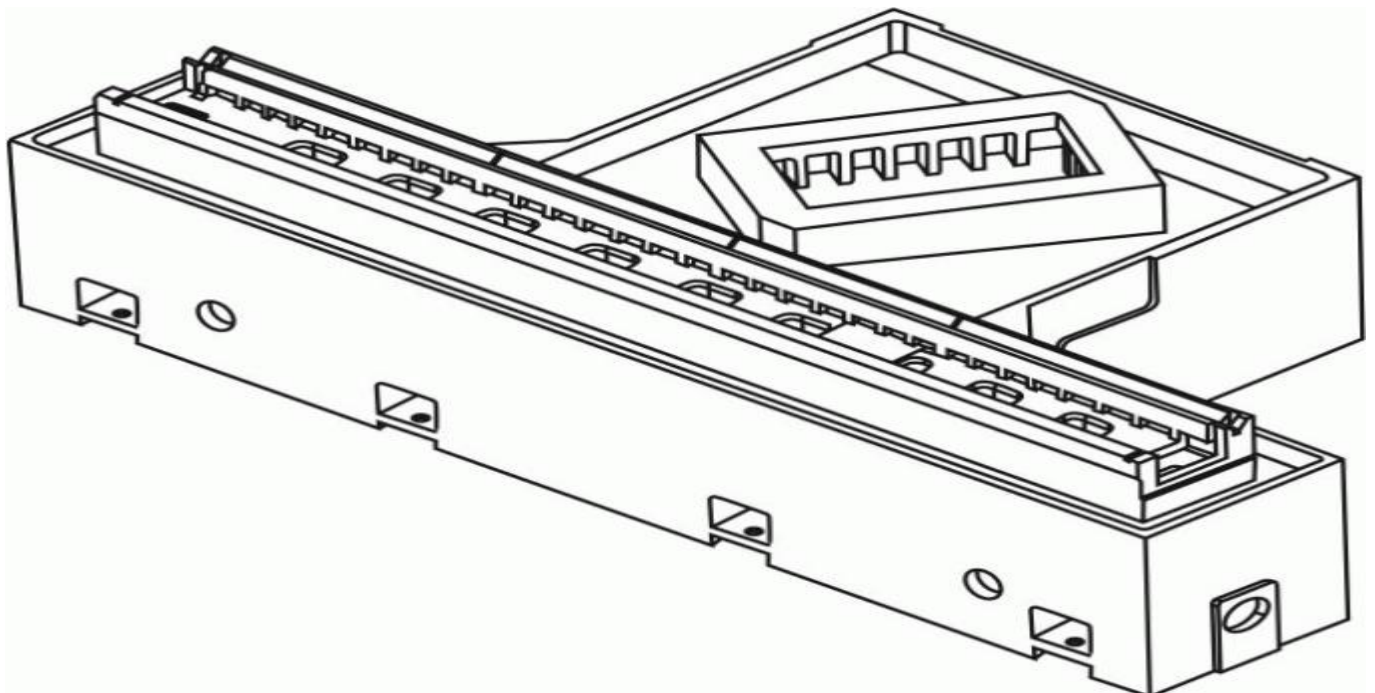
1. Use German Siemens 828D CNC grinding special CNC system.
2. Equipped with high precision static and static grinding wheel spindle, precision grinding grade ball screw.
3. Double axis servo drive automatic feed, automatic dressing grinding wheel, can meet a variety of segment difference, arc, surface molding dressing; The system automatically compensates.
4. "All sliding surface, contact surface and guide rail surface are made of manual grinding point shoveling process". Ensure the long-term stability and high precision of the machine.
5. The machine castings are strictly selected FC30 high-grade cast iron.

Bed integrated molding:

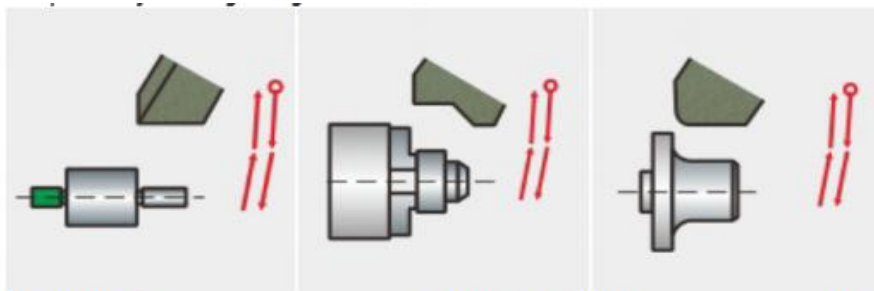
1. The bed is made of Meehanna cast iron. After roasting and stewing, the material is stable and rigid.
2. The bed has rapid cooling and drainage characteristics, which can avoid thermal deformation and affect the accuracy.

Bed integrated molding:

1. The bed is made of Meehanna cast iron. After roasting and stewing, the material is stable and rigid.
2. The bed has rapid cooling and drainage characteristics, which can avoid thermal deformation and affect the accuracy.



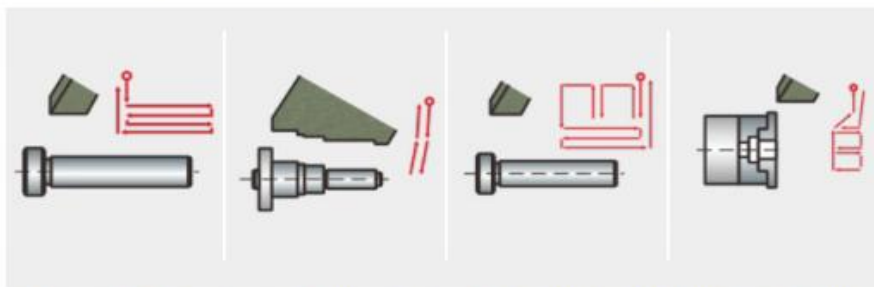
Oblique CNC cylindrical grinding method:



Oblique grinding

Oblique molding grinding

Oblique grinding fillet



Oblique + transverse grinding

Multi-stage forming oblique grinding

Multi-stage oblique + transverse grinding

Grinding wheel dressing device:



Hotman Industrial Automatic multifunctional Wear Resistant Cylindrical Grinding Machine

Specifications

Grinding Wheel Bore: 32mm

Grinding Wheel Motor: 0.75KW

Grinding Wheel Width: 20mm

Max. Grinding Length: 500mm

Power: 3.7KW

Table Size: 200*500mm

Type: Cylindrical Grinder Machine

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 4500r/min

Max. Grinding Diameter: 200mm

Overall Dimension: 1000*1000*1400mm

Speed: 1400r/min

Table Travel: 450mm

High Light:

**CE Cylindrical Grinder Machine,
Industrial Cylindrical Grinder Machine,
Wear Resistant Cylindrical Grinding Process**



Two-machine/multi-machine grinding process

Realize the management of one person and multiple machines:

1. Set cylindrical grinding machine, automatic measurement, manipulator as one of the industrialization production line, minimize Labor costs, improve productivity. Manipulator system.
2. can adapt to different forms and specifications of the workpiece, processing, and effectively maintain the consistency of accuracy.
3. Grinding system overall compact structure, maximize the use of workshop space, excellent comprehensive cost performance.



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7.Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

FX27-60CNC 3KW Durable CNC Cylindrical Grinding Machine , Multiscene Universal Grinder Machine

Specifications

Grinding Head Speed: 0.1-2m/min

Grinding Head Travel: 200mm

Grinding Wheel Speed: 3000rpm

Max. Grinding Length: 1000mm

Power: 3kw

Table Size: 1000x200mm

Table Swivel Angle: $\pm 10^\circ$

Weight: 3000kg

Grinding Head Swivel Angle: $\pm 30^\circ$

Grinding Wheel Diameter: 200mm

Max. Grinding Diameter: 200mm

Max. Grinding Weight: 200kg

Product Name: Cylindrical Grinder Machine

Table Speed: 0.1-2m/min

Table Travel: 1000mm

High Light:

**3KW CNC Cylindrical Grinding Machine,
Durable CNC Cylindrical Grinding Machine,
Multiscene Universal Grinder Machine**



X27P-60CNC Cylindrical grinding machine (with robot unit)

Features:

1. Maximum rotating diameter of table: 300mm
2. Maximum grinding diameter: 250mm
3. Grinding wheel speed: 1650 rpm
4. Grinding wheel size (diameter × width × aperture) : $\Phi 510 \times 50 \times \Phi 127$ mm



FANUC control system(optional)



Automatic face detection device (optional)



Automatic outside diameter tester (optional)

Hotman Stable E250 Cylindrical Grinder Machine

Multipurpose 6000r/min

Specifications

Grinding Wheel Bore: 20mm

Grinding Wheel Grit: 150#

Grinding Wheel Material: CBN

Grinding Wheel Max. Speed: 6000r/min

Grinding Wheel Max. Working Temperature: 120°C

Grinding Wheel Width: 20mm

Speed: 1400r/min

Voltage: 380V

Grinding Wheel Diameter: 150mm

Grinding Wheel Hardness: HRA90

Grinding Wheel Max. Load: 25kg

Grinding Wheel Max. Working Pressure: 0.2MPa

Grinding Wheel Speed: 3000r/min

Power: 2.2KW

Type: Cylindrical Grinder Machine

High Light:

**Stable Cylindrical Grinder Machine,
Cylindrical Grinder Machine Multipurpose,
6000r/min Cylinder Grinding Machine**

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese

operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Item	Product	Model	Quantity	Price composition
	High Precision CNC Cylindrical Grinding Machine (X-axis,Z-axis)	E250		See price list with standard attachment
Introduce	1) Use Germany Siemens 828D CNC system,Grinding special friendly man-machine interface, no programming, processing program automatically generated. Equipped with high precision bearing grinding wheel spindle, precision grinding level ball screw. 2) Double axis servo drive automatic feed, automatic grinding wheel dressing, can meet all kinds of segment difference, circular arc, surface forming dressing, the system automatic compensation. 3) All sliding surface, contact surface and guide surface are made of manual grinding point shoveling process to ensure the long-term stability and high precision of the machine. 4) Machine castings are strictly selected FC25 advanced cast iron, aging treatment, to ensure the foundation of machine tools The piece does not deform. 5)			

	Number	Project	Unit	Model:	E250
Processing capacity	1	Maximum rotating diameter of table	mm	250	
	2	Maximum distance between two thimbles	mm(in)	500	
	3	Maximum grinding diameter	mm(in)	250	
	4	Maximum load between two parietal hearts	Kg(b)	60(顶心工作)/20 (只有工作头)	
	5	Grinding wheel size (diameter × width × aperture)	mm(in)	405×32~50×127	
	6	Grinding wheel speed	rpm	1570	
Grinding wheel head	7	Maximum linear speed of grinding wheel	m/s	35	
	8	Grinding wheel dressing	mm(in)	自动型 Automatic type	
	9	Minimum X-axis feed	mm(in)	0.001	
	10	Feed Angle	Deg	90	
	11	Feed stroke	mm	250	
Head frame	12	X axis fast moving speed	mm/min	0-10000	
	13	Spindle speed	rpm	50-500	
	14	Spindle form		Simultaneous or centering	
Stern frame	15	Thimble specification		MT-4	
	16	Automatic telescopic distance (hydraulic type)	mm	40	
worktable	17	Thimble specification		MT-4	
	18	Working mode		Manual	
	19	Z axis fast moving speed	m/min	0-20000	
Motor	20	Minimum z-axis feed	mm	0.001	
	21	Maximum travel	mm	550	
	22	Angle of rotation	Deg	+6/-9	
	23	Grinding wheel spindle motor	KW	3.75/5.5	
	24	X-axis feed motor (servo)	KW	2.2	
	25	Z-axis feed motor (servo)	KW	2.2	
	26	Head frame spindle motor	KW	0.75	
	27	Cooling pump motor	KW	0.75	
	28	Lubricating oil motor	KW	1/4*2	
	29	Tailstock oil pump motor (Special)	KW	0.75	
Other	30	X/Z axis guide/lead screw lubricating oil		MOBIL#1409 or ISO VG68	
	31	Net machine weight	Kg	约 3200	
	32	Gross machine weight	Kg	约 3400	
	33	Package size (length * width * height)	mm	2800*2000*2000	

Hydraulic CNC Universal Grinding Machine 2.2KW Multiscene FX32P-100CNC

Specifications

Grinding Accuracy: 0.002mm

Grinding Wheel Hole Diameter: 50mm

Grinding Wheel Speed: 3000rpm

Max. Weight Of Workpiece: 200kg

Overall Dimension: 1800mm*1400mm*1700mm

Table Size: 400mm*1000mm

Type: Grinding Machine

Workpiece Length: 200-1000mm

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Width: 20-50mm

Name: Cylindrical Grinder Machine

Table Motor Power: 1.5KW

Table Speed: 0.1-5m/min

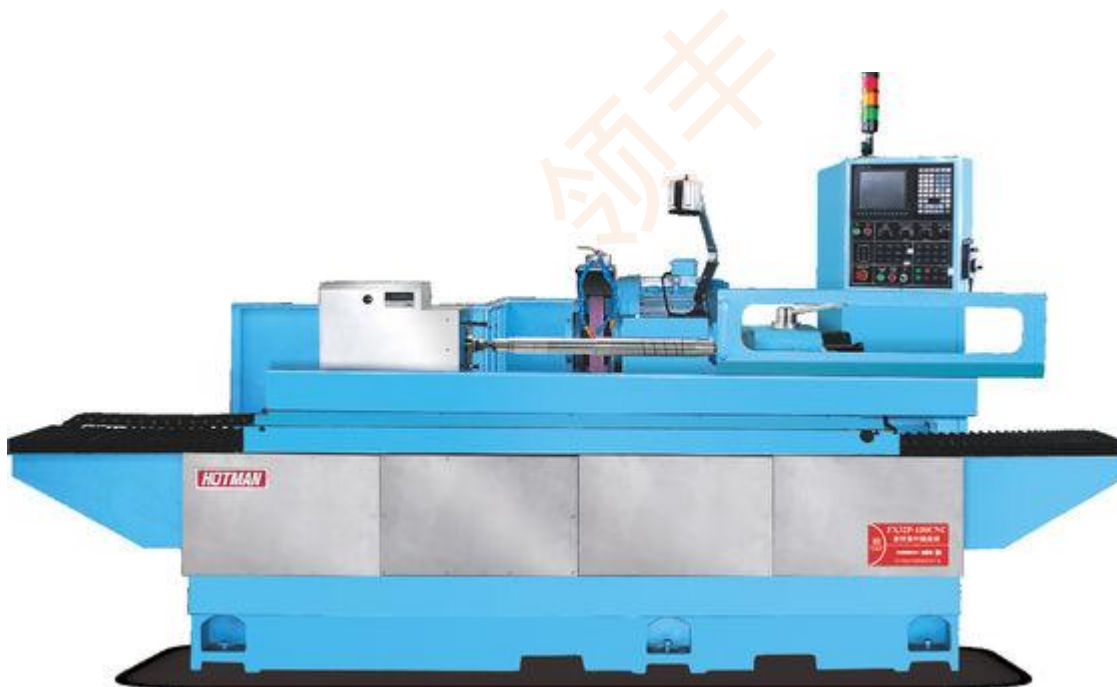
Workpiece Diameter: 20-200mm

High Light:

Hydraulic CNC Universal Grinding Machine.

CNC Universal Grinding Machine 2.2KW.

Multiscene Hydraulic Cylindrical Grinding Machine



	Project	Unit	Model:FX32P-100CNC
Processing capacity	Maximum rotating diameter of table	Mm	350
	Maximum distance between two thimbles	Mm	1000
	Maximum grinding diameter	Mm	320
	Maximum load between two parietal hearts	Kg	150(顶心工作)/40(只有工作头)
	Grinding wheel size (diameter × width × aperture)	Mm	510×50×127/610×100×127
	Grinding wheel speed	Rpm	1570/1742
	Maximum linear speed of grinding wheel	m/s	45
Grinding wheel head	Grinding wheel dressing	Mm	Automatic type
	Minimum X-axis feed	Mm	0.001
	Feed Angle	Deg	90
	Feed stroke	Mm	320
	X axis fast moving speed	m/min	6
Head frame	Spindle speed	Rpm	10-500
	Spindle form		
	Thimble specification		MT-5
Tail seat	Automatic telescopic distance	Mm	40
	Thimble specification		MT-4
	Working mode		Manual/hydraulic
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	Mm	0.001
	Maximum travel	Mm	1000
	Angle of rotation	Deg	+7/-7
Motor	Grinding wheel spindle motor	KW	7.5/11
	X-axis feed motor (servo)	KW	3.0
	Z-axis feed motor (servo)	KW	3.0
	Head frame spindle motor	KW	1.5
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	(0.25)*2
	Tail stock oil pump motor	KW	0.75
Other	X/Z axis guide/lead screw lubricating oil		MOBIL#1409 orISO VG68
	Net machine weight	Kg	7500
	Gross machine weight	Kg	8500
	Package size (length * width * height)	Mm	4800*3800*3000

2.2KW Cylindrical Grinder Machine FX32P-60CNC

Practical 3000rpm

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Max. Feeding Distance: 200mm

Grinding Wheel Max. Loading Height: 200mm

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Spindle Feeding Speed: 0.1-3mm/min

Grinding Wheel Spindle Max. Feeding Height: 200mm

Grinding Wheel Spindle Speed: 3000rpm

Type: Grinding Machine

Grinding Wheel Feeding Speed: 0.1-3mm/min

Grinding Wheel Max. Feeding Height: 200mm

Grinding Wheel Max. Loading Weight: 200kg

Grinding Wheel Speed: 3000rpm

Grinding Wheel Spindle Max. Feeding Distance: 200mm

Grinding Wheel Spindle Motor Power: 2.2KW

Name: Cylindrical Grinder Machine

High Light:

**2.2KW Cylindrical Grinder Machine,
Cylindrical Grinder Machine Practical,
3000rpm CNC Cylindrical Grinder**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

2-20m/min CNC Universal Grinder , Durable Vertical Cylindrical Grinding Machine

Specifications

Coolant Tank Capacity: 100L

Grinding Wheel Motor Power: 2.2KW

Max. Grinding Diameter: 200mm

Overall Dimensions: 1800×1400×1400mm

Table Speed: 2-20m/min

Tailstock Taper: Morse No.3

Weight: 1800Kg

Workhead Speed Range: 40-400rpm

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 1450rpm

Max. Grinding Length: 1000mm

Product Name: Cylindrical Grinder Machine

Table Swivel Angle: $\pm 5^\circ$

Tailstock Travel: 150mm

Workhead Motor Power: 0.75KW

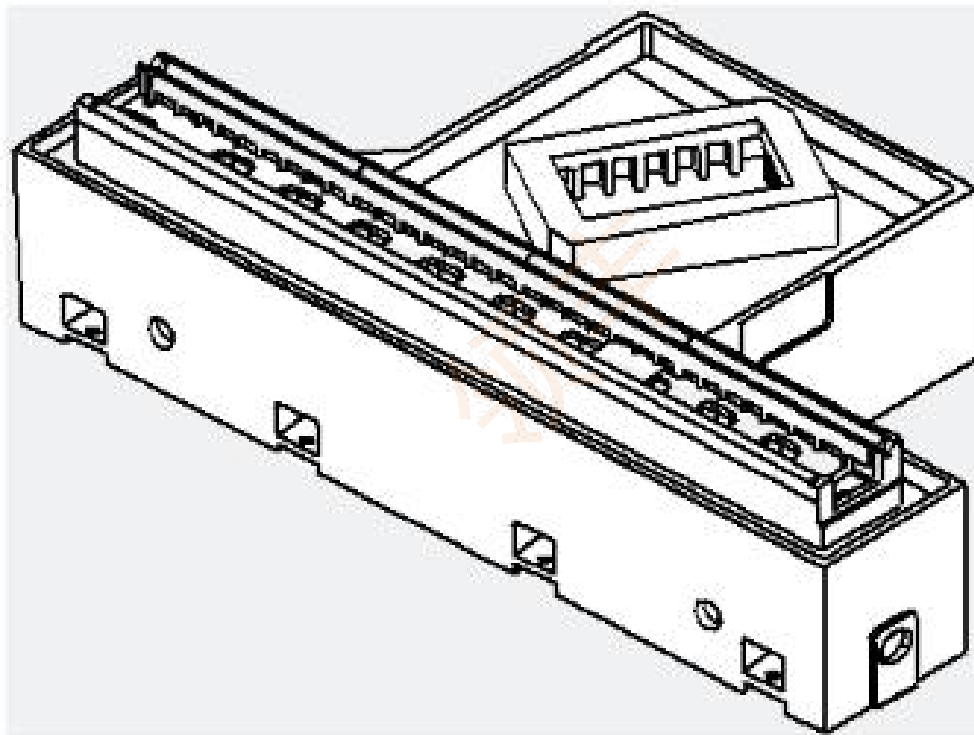
High Light:

**2m/Min CNC Universal Grinder, 20m/Min CNC Universal Grinder,
Durable Vertical Cylindrical Grinding Machine**



High Precision CNC Cylindrical Grinding Machine FX32A-75CNC

1. CNC oblique advance type
2. Oblique cutting greatly optimizes the grinding process
3. Bed and table forming in one
 - (1)The bed is made of Meehanna cast iron. After braising, the material is stable and rigid.
 - (2)The bed provides excellent cushioning and shock absorption, ensuring unmatched surface quality for grinding parts.
 - (3)The bed has rapid cooling and drainage characteristics, which can avoid thermal deformation and affect the accuracy.



4. FX32A-75CNC:

Maximum rotating diameter of table	320mm
The longest distance between the two tops	800mm
Maximum grinding diameter	Ø300mm
Grinding wheel speed	1522rpm

Hotman 3 Phase 50Hz Multipurpose 1700x1500x1750mm Cylindrical Grinder Machine

Specifications

Coolant Tank Capacity: 50L

Grinding Wheel Motor Power: 2.2kw

Gross Weight: 1600kg

Max. Grinding Length: 500mm

Net Weight: 1500kg

Power Supply: 3-phase 380V 50Hz

Table Swivel Angle: $\pm 5^\circ$

Workhead Motor Power: 0.75kw

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 1450rpm

Max. Grinding Diameter: 200mm

Max. Table Load: 100kg

Overall Dimensions: 1700x1500x1750mm

Table Speed: 2-20rpm

Type: Cylindrical Grinder Machine

High Light:

**3 Phase Cylindrical Grinder Machine,
50Hz Cylindrical Grinder Machine,
Multipurpose Small Cylindrical Grinder**



Main mechanism Precise installation process:

1.Static spindle:

Static pressure bearing oil film, from starting to stop always work under the support of oil film, very low wear. Long service life, high rotation accuracy, oil film stiffness, the machine can maintain accuracy for a long time.



2.Motorized spindle:

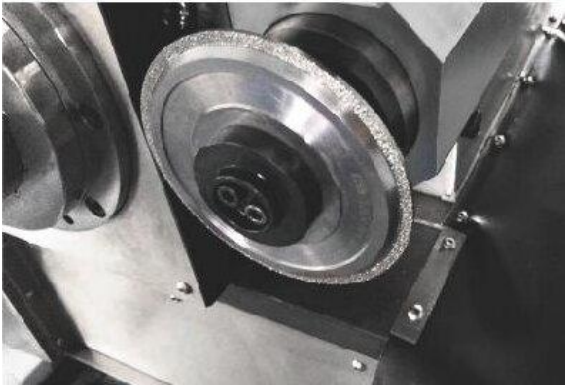
High speed, low vibration, low noise, smooth movement. High processing efficiency, low roughness and good precision.

3.C3 class ball screw:

Due to static lubrication features,friction interaction can be reduced,and can increase rigidity andpositioning accuracy Small feed in1 μ m. (CNC machine configuration)



4. Roller type grinding wheel repairing device (optional for CNC series):



5. Guide rail:

- V-flat rail combination design, to ensure the stability of grinding.

Hand spatula:

The contact surface of the guide rail is reduced by precision hand-shoveling and lubricating oil system to ensure high precision and wear resistance of axial movement.



6. Spindle head:

Three jaw chuck can be installed, and can be matched with different working chuck design to facilitate the research of different workpiece. The grinding spindle has the function of centering and simultaneous movement, and the user can make quick conversion in the top machining and three claw clamping machining (special accessories).



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Stable CNC Universal Grinder, Full Automatic Industrial Cylindrical Grinding Machine FX27-60CNC

Specifications

Product Name: Cylindrical Grinder Machine

Grinding Wheel Diameter: Large

Grinding Wheel Material: Diamond

Grinding Wheel Noise: Low

Grinding Wheel RPM: High

Grinding Wheel Speed: High

Grinding Wheel Vibration: Low

Grinding Wheel Width: Large

Grinding Capacity: High

Grinding Wheel Life: Long

Grinding Wheel Motor: High

Grinding Wheel Power: High

Grinding Wheel Size: Large

Grinding Wheel Type: Cup

Grinding Wheel Weight: Heavy

High Light:

**Stable CNC Universal Grinder, CNC Universal Grinder Automatic,
Industrial Cylindrical Grinding Types**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
Grinding wheel head	Grinding wheel dressing	mm	Automatic type
	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Semi Automatic External Cylindrical Grinder Machine with diamater measuring device FX27-60

Specifications

Grinding Wheel Bore: 50mm

Grinding Wheel Head Feed Motor Power: 0.75kW

Grinding Wheel Head Motor Power: 0.75kW

Grinding Wheel Head Speed: 1450rpm

Grinding Wheel Head Travel: 200mm

Grinding Wheel Speed: 1450rpm

Worktable Motor Power: 0.75kW

Worktable Travel: 200mm

Grinding Wheel Diameter: 200mm

Grinding Wheel Head Feed Speed: 0.1-500mm/min

Grinding Wheel Head Rapid Feed Speed: 1000mm/min

Grinding Wheel Head Swivel Angle: 360°

Grinding Wheel Motor Power: 2.2kW

Overall Dimension: 1400x1000x1600mm

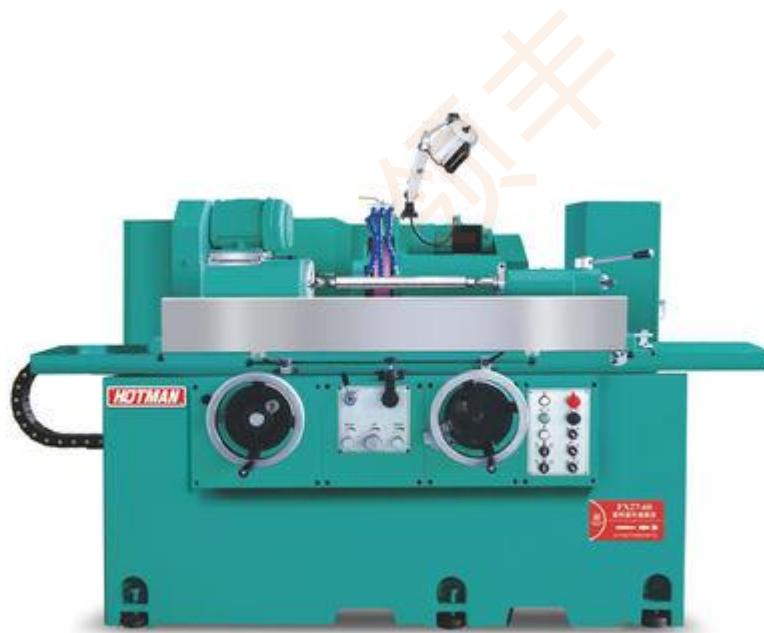
Worktable Swivel Angle: 360°

High Light:

Auto Cylindrical Grinder Machine,

Cylindrical Grinder Machine 1000mm/min,

Practical External Cylindrical Grinding Machine



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

1400r/Min Heavy Duty Cylindrical Grinding Machine

Durable Electric FX32A-35CNC

Specifications

Product Name: Cylindrical Grinder Machine

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Speed: 1400r/min

Max. Grinding Diameter: 200mm

Max. Load Of Table: 200kg

Overall Dimension: 1700x1400x1600mm

Table Speed: 0.1-5m/min

Type: Cylindrical Grinder Machine

Coolant Pump Motor Power: 0.09kw

Grinding Wheel Motor Power: 3kw

Gross Weight: 1800kg

Max. Grinding Length: 1000mm

Net Weight: 1600kg

Power Source: Electric

Table Swivel Angle: $\pm 5^\circ$

High Light:

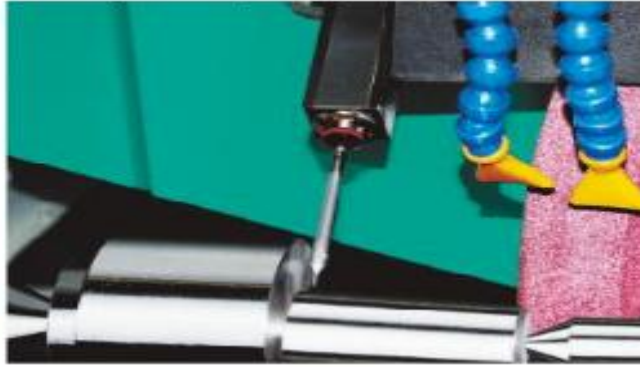
**1400r/min Heavy Duty Cylindrical Grinding Machine,
Heavy Duty Cylindrical Grinding Machine Durable,
Electric Universal Cylindrical Grinder**



1.Extended grinding function The perpendicularity of oblique cut grinding is less than:0.005mm



Automatic outside diameter measuring device



Automatic end detection device

2.Oblique cut grinding can be used for diameter/shoulder/cone and chamfer grinding.

3.The grinding wheel spindle has the characteristics of high rigidity, high precision, high life, low vibration and low friction.

4.The spindle has the function of centering and simultaneous movement, and the user can quickly change between the core processing and chuck clamping processing.

5.It has extremely high repetitive positioning accuracy, long track life, high rigid strength and smooth reciprocating motion characteristics.

6.It can be equipped with end face measurement, outer diameter/thickness measurement, grinding wheel empty range anti-collision and on-line dynamic balancing device.

Stable High Precision 50-500RPM Cylindrical Grinding Machine, FX27P-60CNC Cylindrical Grinder

Specifications

Coolant Motor: 0.09kw

Grinding Wheel Motor: 7.5kw

Hydraulic Motor: 3kw

Max. Grinding Length: 1000mm

Net Weight: 3000kg

Table Swivel Angle: $\pm 30^\circ$

Type: Cylindrical Grinder Machine

Workhead Swivel Angle: $\pm 90^\circ$

Grinding Wheel Diameter: 150-400mm

Grinding Wheel Speed: 1450rpm

Max. Grinding Diameter: 400mm

Max. Table Load: 200kg

Overall Dimensions: 2200x1450x1750mm

Table Travel: 1000mm

Workhead Speed Range: 50-500rpm

High Light:

50RPM Cylindrical Grinder Machine,

500RPM Cylindrical Grinder Machine,

Stable Precision Cylindrical Grinding Machine



- 1, Machine tool control system for Germany Siemens 828DCNC system, the Siemens company developed special grinding man-machine interface, easy to operate, automatic generation process, no manual programming.
- 2, The main shaft of the grinding wheel is a dynamic and dynamic grinding wheel, originally imported from Taiwan. It has strong grinding force, high rotation accuracy and excellent stability.
- 3, Workpiece head frame spindle taper is (MT#4), the head frame servo motor can be continuously variable speed, the spindle can be movable and fixed dual-purpose structure.
- 4, Tailframe spindle taper is (MT#4), manual operation.
- 5, X axis, Z axis servo motor are using Siemens large inertia servo motor.
6. Electrical accessories: relay, contactor, switch button are French "Schneider" brand.
7. X axis and Z axis feed screw are made of Japanese THK grinding ball screw. (Model): FX27P-60CNC
8. Grinding wheel motor uses Taiwan Dongyuan motor.
9. Connecting the shaft using Japanese NBK brand.
10. Machine tool with grinding wheel flange (5") is a set of Taiwan Miqui brand.
11. The standard grinding wheel is NORTON (455.40.127).
12. The standard waterproof sheet metal of the machine tool is half hood type (front push-pull glass door splash shield).
13. Machine tool electrical control box equipped with industrial refrigeration and air conditioning, three color intelligent alarm light.
14. YASDA, ELB, SIP and other advanced machine and processing equipment are adopted for machine tool body and important castings to ensure the high precision of machine tool foundation components.
15. All sliding surface, contact surface and track surface are made of manual grinding point shoveling process, to ensure high precision and long-term stability of the machine.
16. Machine tool castings strictly use FC-25 high-grade cast iron.

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
Grinding wheel head	Grinding wheel dressing	mm	Automatic type
	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
Other	Tail stock oil pump motor	KW	0.75
	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Semi Automatic External Grinder, High Rigidity Reliable Universal Cylindrical Grinding Machine

Specifications

Type: Cylindrical Grinder Machine

Grinding Wheel Hole: 32mm

Grinding Wheel Spindle Speed: 2800r/min

Max. Grinding Length: 500mm

Speed: 1400r/min

Table Speed: 3-25m/min

Voltage: 380V

Weight: 1200KG

Grinding Wheel Size: 200mm

Grinding Wheel Speed: 1400r/min

Max. Grinding Diameter: 200mm

Power: 2.2KW

Table Size: 400*180mm

Table Travel: 500mm

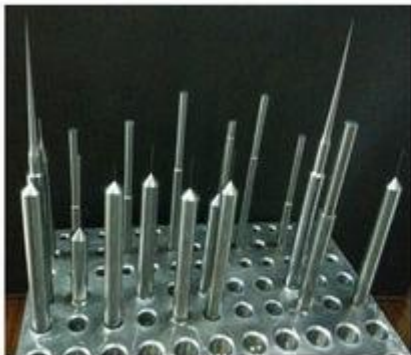
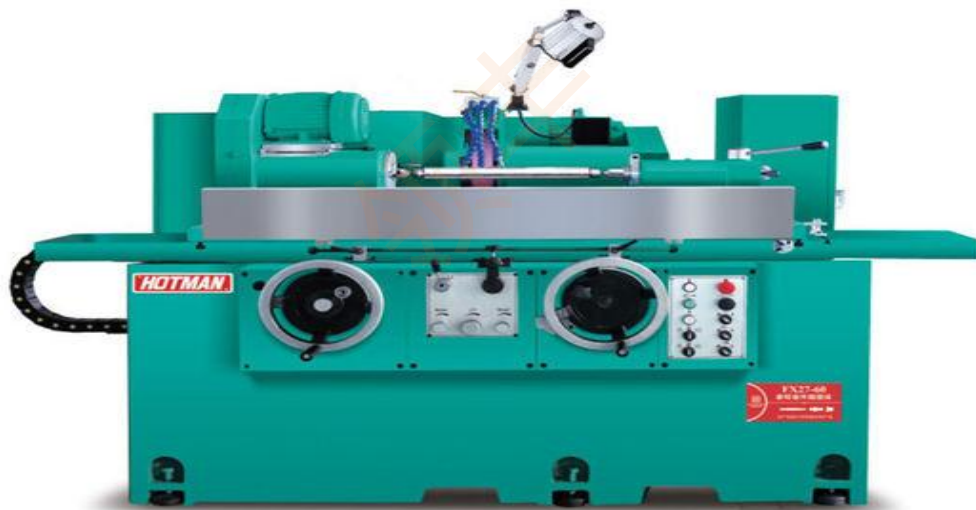
Dimension: 1400*1000*1600mm

High Light:

380V External Cylindrical Grinder,

2.2KW External Cylindrical Grinder,

Semi Automatic Universal Grinder Machine



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with inner hole grinding device for choice, inner hole spindle speed up to 20000 RPM, can achieve a good clamping to complete the grinding of outer circle and inner hole. At the same time, optional dual-axis optical ruler numerical control device, to achieve accurate 0.001mm feed.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality.
6. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The tail seat is designed to be both rigid and robust. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

Traditional cylindrical grinder see machine details on P29

	Item	unit	FX27-60	FX32-100
Processing capacity	Surface rotation diameter	mm	270	320
	Distance between two centers	mm	600	1000
	Max workpiece weight(centers)	kg	60	150
	Max workpiece weight(single head)	kg	30	40
Grinding wheel head	Rotation angle (left/right)		±15°	±30°
	Standard grinding wheel size (OD×W×ID)	mm	Ø405×32-50×Ø127	Ø510×50-80×Ø127
	Special grinding wheel size (OD×W×ID)	mm	Ø355×32-50×Ø127	Ø610×60-100×Ø203
	Grinding wheel spindle speed	R.P.M	1650/ 1850/2100	1570/ 1742
	Moving distance	mm	270	320
	Rapid feed stroke (hydraulic automatic)	mm	40	40
	Spindle stroke (feed per revolution)	mm	20	20
	Spindle stroke (feed per differential)	mm	0.005	0.005
	Worker side rotation angle		30°	30°
	Grinding wheel edge rotation angle		90°	90°
Headstock	Spindle speed	R.P.M	50 - 300	10 - 500
	Ejector taper		MT-4	MT-5
	Spindle through hole diameter	mm	25	30
Tailstock	Spindle travel	mm	32	32
	Ejector taper		MT-4	MT-4
	Worker side rotation angle		6°	4°
worktable	Grinding wheel edge rotation angle		9°	9°
	feed amount per revolution of hand wheel	mm	12.5	12.5
	Automatic feed speed	mm/min	50-4000/ min	50-3000/ min
Internal hole grinding device	Spindle speed	R.P.M	20,000(30,000)	20,000(30,000)
	Motor	KW(HP)	0.75(1)	0.75(1)
Motor	Grinding spindle	KW(HP)	3.75	5.5
	Working head spindle	KW(HP)	0.75	1.5
	Hydraulic power circulation oil pump	KW(HP)	0.75	1.5
	Hydrostatic spindle oil pump (optional)	KW(HP)	1.5	1.5
	grinding fluid pump	KW(HP)	0.37	0.37
Box capacity	Hydrostatic spindle oil tank (optional)	L	200	200
	Hydraulic power circulation tank	L	70	70
	grinding fluid tank	mm	200	200
other	Machine size (L × W × H)	kg	2700 × 1520 × 1650	4200 × 2330 × 1950
	G.W (approx.)		2500	5000

Mechanical model			FX27-60	
Processing capacity	Lathe face diameter	mm	270	
	The distance between the two hearts	mm	600	
	Maximum weight of core workpiece	Top work (kg)	60	
		Working head (kg)	20	
Maximum linear velocity	m/s	High speed grinding wheel is accessible 65		
Grinding wheel head and feed	Angle of rotation	Left and right	±15°	
	Standard grinding wheel size	Outside diameter x width x inside diameter(mm)	405*38(32-50)*127	
	Special wheel size	Outside diameter x width x inside diameter(mm)	510*38(32-50)*127	
	Speed of sand wheel shaft	R.P.M.	1650/1850/2100	
	Travel distance	mm	250	
	Fast feed stroke	Fast forward and fast back to a safe distance		40
		Feed per revolution		20
Spindle stroke	Minimum X-axis setting unit		0.005	
Working head	Spindle rotation mode		Simultaneous/centering	
	Angle of rotation	Working head edge (degree)	30°	
		Grinding wheel head (degree)	90°	
	Spindle speed	R.P.M.	10-500 Belt pulley adjust	
	Taper of the thimble	MT	NO.4	
The spindle through aperture	mm	25		
Tail seat	Automatic stretching distance	mm	32	
	Taper of the thimble	MT	NO.4	
worktable	Angle of rotation	Deg	+9/-6	
	Hand wheel feed	Feed per revolution	12.5	
	Automatic feed speed	mm	50-4000/min	
Inner hole grinding device (Optional)	Spindle speed	R.P.M.	20,000(35,000-Special)	
	Motor	KW(HP)	0.75	
Motor	Sand wheel shaft	KW(HP)	3.75	
	Working head spindle	KW(HP)	0.75	
	Hydraulic power circulating oil pump	KW(HP)	0.75	
	Lapping pump	KW(HP)	0.37	
Tank capacity	Sand wheel shaft oil box (static and dynamic pressure)	L	120	
	Power circulation tank	L	60	
	Lapping tank	L	80	
Packing size	Length x width x height	mm	2900x2250x2100	
	Net weight	kg	2500	

Hotman Durable High Precision Multifunctional Automatic Cylindrical Grinder Machine

Specifications

Control System: PLC

Grinding Wheel Diameter: 200 Mm

Grinding Wheel Motor Voltage: 220 V/380 V

Max Grinding Diameter: 200 Mm

Power: 2.2 KW

Table Motor Voltage: 380 V

Type: Cylindrical Grinder Machine

Weight: 500 Kg

Dimensions: 1000 X 1000 X 1000 Mm

Grinding Wheel Motor Power: 1.5 KW

Grinding Wheel Speed: 3000 Rpm

Max Grinding Length: 1000 Mm

Table Motor Power: 0.75 KW

Table Speed: 1-20 M/min

Voltage: 380 V

High Light:

Durable Cylindrical Grinder Machine.
Cylindrical Grinder Machine Automatic.
Multi Function Cylinder Grinding Machine



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Peculiarity:

FX27P-60CNC high precision straight into the cylindrical grinding machine (full cover, single-machine manipulator automatic loading and unloading)

1. Bed rotation diameter: $\Phi 270\text{mm}$, distance between two top centers: 600mm.
2. Grinding wheel speed: 1650rpm, grinding wheel size (diameter \times width \times aperture): $\Phi 405 \times 32 \times \Phi 127\text{mm}$
3. Configure the active measuring device to realize the full closed-loop control of grinding processing.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Practical CNC Cylindrical Grinding Machine Multipurpose 7.5KW FX32P-100CNC

Specifications

Coolant Tank Capacity: 100L

Grinding Wheel Motor: 7.5kw

Grinding Wheel Speed: 3000rpm

Max. Grinding Length: 1000mm

Max. Workpiece Weight: 100kg

Table Motor: 1.5kw

Table Travel: 1000mm

Weight: 3000kg

Grinding Wheel Diameter: 500mm

Grinding Wheel Size: 500mm X 50mm X 127mm

Max. Grinding Height: 500mm

Max. Grinding Width: 500mm

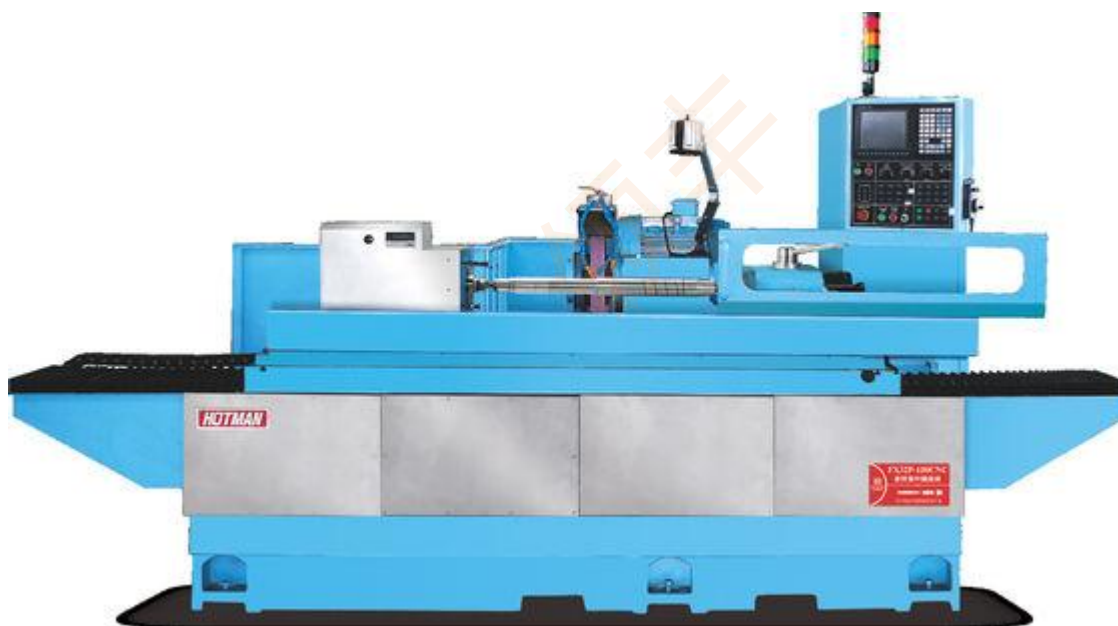
Product Name: Cylindrical Grinder Machine

Table Size: 500mm X 1000mm

Type: Cylindrical Grinder

High Light:

**Practical CNC Cylindrical Grinding Machine,
CNC Cylindrical Grinding Machine Multipurpose,
7.5KW CNC Universal Grinding Machine**



Device description:

1. Ontology :

The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Automatic lubrication system:

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Automatic system:

Customers can choose automatic online end face measuring device, automatic online outer diameter measuring device, automatic hydraulic tailstock, automatic loading and unloading robot, inner hole grinding device, etc., according to the actual workpiece needs.



4. Grinding wheel head feed shaft:

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. Grinding wheel spindle:

Standard grinding wheel spindle adopts bearing type, four front and two back structure, angular contact German FAG bearing, with lubrication function. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special workpiece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 65m/s.

6. Tail seat:

The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Numerical control system:

Germany Siemens CNC system, with Siemens high performance servo motor, so that the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

FX32P-60CNC 7.5KW CNC High Precision Cylindrical Grinder Machine 0.1-10m/Minfor Tight Tolerance

Specifications

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Speed: 1450rpm

Max. Grinding Length: 1000mm

Power Supply: 380V/50Hz

Table Speed: 0.1-10m/min

Table Swivel Speed: 0.1-1.5rpm

Weight: 2500kg

High Light:

7.5KW Cylindrical Grinder Machine.

Cylindrical Grinder Machine 0.1m/Min.

10m/Min CNC Cylindrical Grinder

Grinding Wheel Motor Power: 7.5kw

Max. Grinding Diameter: 400mm

Overall Dimensions: 1700×1400×1700mm

Product Name: Cylindrical Grinder Machine

Table Swivel Angle: $\pm 30^\circ$

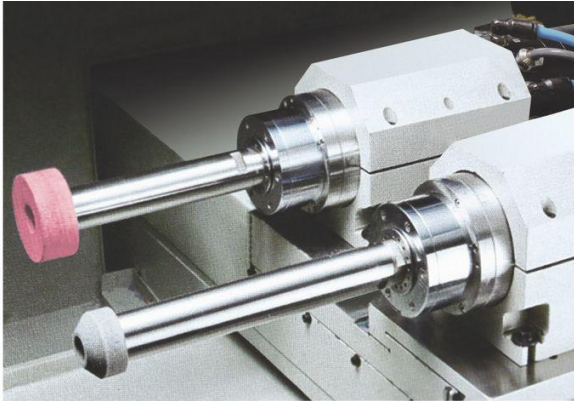
Type: Grinding Machine

Workhead Motor Power: 2.2kw



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.



2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special workpiece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(lb)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

CNC Cylindrical Grinder with Robot Feeder and Tight Tolerance

Specifications

Grinding Wheel Motor Power: 7.5kw

Max. Grinding Diameter: 400mm

Overall Dimensions: 2200x1450x1750mm

Product Name: CNC Cylindrical Grinder Machine

Table Swivel Angle: $\pm 30^\circ$

Type: Cylindrical Grinder Machine

Workhead Motor Power: 0.75KW

Tailstock Travel: 150mm

Voltage: 380V/50Hz

Table Motor: 1.5kw

Table Motor Voltage: 380 V

Gross Weight: 1800kg

Grinding Wheel Thickness: 20mm

Grinding Wheel Speed: 1450rpm

Max. Grinding Length: 1000mm

Power Supply: 380V/50Hz

Table Speed: 0.1-10m/min

Table Swivel Speed: 0.1-1.5rpm

Weight: 2500kg

Workpiece Length: 200-1000mm

Power Consumption: 2.2KW

Grinding Wheel: Diamond Wheel

Grinding Wheel Life: Long

Table Size: 400mm*1000mm

Workpiece Diameter: 20-200mm

High Light:

Tight Tolerance Cylindrical Grinder. CNC Cylindrical Grinder. Robot Feeder Cylindrical Grinder



Device description:

The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special workpiece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
Grinding wheel head	Grinding wheel dressing	mm	Automatic type
	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

CNC Internal Grinder Maximum Grinding Inner Diameter 200mm

Specifications

Inner Grinding Diameter: 6-200mm

Grinding Wheel Motor: 7.5kw

Max. Grinding Depth: 200mm

Max. Workpiece Weight: 100kg

Net Weight: 1500kg

Power Supply: 380V/50Hz

Table Speed: 0.1-3m/min

Table Travel: 400mm

Maximum Grinding Depth: 170mm

Grinding Wheel Speed: 3000rpm

Max. Grinding Travel: 500mm

Model: Internal Grinder Machine

Overall Dimensions: 1900*1400*1700mm

Table Motor: 1.5kw

Table Swivel Angle: $\pm 45^\circ$

High Light:

200mm Inner Diameter CNC Internal Grinder,

200mm Inner Diameter Internal Grinder,

CNC Internal Grinder 200mm Depth



Product Description:

The Internal Grinder Machine is a highly advanced technology designed to perform precise internal grinding operations. With a grinding wheel diameter of 200mm, a table size of 400mm, and a grinding wheel feeding motor accuracy of 0.005mm, it is capable of grinding workpieces ranging from 50 to 200mm in size. The grinding wheel feeding motor speed is adjustable from 50 to 1000rpm, ensuring precise and accurate grinding results. The Internal Grinder Machine is the perfect choice for any internal grinding needs, with its advanced internal grinder technology, precise internal grinder assembly, and highly reliable internal grinding machine.

The machine body and main components are made of high-grade cast iron FC-30, which has been artificially normalized heat treated and then subjected to natural aging treatment. The body and components are processed using YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment for one-time clamping processing, and the precision dimensions can reach the micron level. All sliding surfaces, contact surfaces and guide rail surfaces adopt manual grinding and scraping technology to ensure the long-term accuracy and stability of the machine. An automatic centralized lubrication system lubricates the machine linear guides and ball screws continuously, which makes sure longer service life and high precision. The cooling system is separated with machine body, which eliminates vibration and helps heat radiation.

The grinding wheel spindle adopts an electric spindle with the characteristics of high speed, high precision, high rigidity, low vibration, low noise and low temperature rise. The driving system is cooled by a water cooling system to ensure that the grinding wheel headstock always works in a thermally stable state, making the grinding wheel more stable, and working efficiency is doubled. According to the processing needs, electric spindles with different speeds of 24000-60000rpm are optional; for workpieces with deep inner circles, an integrated spindle can be customized to achieve precision grinding.

It adopts German Siemens CNC system and has undergone further development. It has a user-friendly human-machine dialogue operation interface and is equipped with Siemens high-performance servo motors, which makes the equipment CNC system and transmission system have better compatibility. It also has automatic sand dressing and automatic offset function, which ensures the stability and accuracy of feed and grinding.

Features:

1. Product Name: Internal Grinder Machine
2. Internal Grinding Machinery: 50-1000rpm
3. Internal Grinding Mechanism: 400mm
4. Internal Grinding Mechanism Motor Speed: 0.75KW
5. Table Size: 0.75KW
6. Grinding Wheel Feeding Motor Power: 0.1-3m/min

Project	Parameter
Processing capacity	
Grinding aperture range	Φ6~φ200mm
Maximum grinding depth	170mm
Maximum outer contour diameter of grinding workpiece	220mm
Grinding diameter	400mm
Mounting chuck specifications	6 "hydraulic chuck/manual chuck
Angle of head box rotation	Two degrees before and 20 degrees after
Grinding wheel spindle parameters	
Inner hole grinding spindle power	7.5KW
Linear speed of grinding wheel	20~30m/s
Head frame spindle parameters	
Spindle speed	50-1500rpm
Spindle form	Sleeve structure bearing spindle
Cone-hole specification	MT-5
Spindle drive mode	Servomotor
X axis (workpiece spindle)	
X-axis feed stroke	410mm
X axis fast moving speed	0.1~10mm/min
X-axis feed minimum resolution	0.001
X axis servo motor power	2.2 KW
Z-axis (workbench)	
Z axis axis fast moving speed	0.1~10mm/min
Z-axis feed minimum resolution	0.001mm
Maximum travel of Z axis	410mm
Z-axis servo motor power	2.2KW

380V 50Hz CNC Internal Grinder Machine Practical High Precision IG200

Specifications

Coolant Pump Motor: 0.09kw

Grinding Wheel Motor: 7.5kw

Max. Grinding Depth: 200mm

Max. Workpiece Weight: 100kg

Net Weight: 1500kg

Power Supply: 380V/50Hz

Table Speed: 0.1-3m/min

Table Travel: 400mm

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 3000rpm

Max. Grinding Length: 500mm

Model: Internal Grinder Machine

Overall Dimensions: 1900*1400*1700mm

Table Motor: 1.5kw

Table Swivel Angle: $\pm 45^\circ$

High Light:

**380V Internal Grinder Machine. 50Hz Internal Grinder Machine.
Practical High Precision CNC Grinder**



The Internal Grinder Machine is a highly advanced technology designed to perform precise internal grinding operations. With a grinding wheel diameter of 200mm, a table size of 400mm, and a grinding wheel feeding motor accuracy of 0.005mm, it is capable of grinding workpieces ranging from 50 to 200mm in size. The grinding wheel feeding motor speed is adjustable from 50 to 1000rpm, ensuring precise and accurate grinding results. The Internal Grinder Machine is the perfect choice for any internal grinding needs, with its advanced internal grinder technology, precise internal grinder assembly, and highly reliable internal grinding machine.

Project	Parameter
Processing capacity	
Grinding aperture range	Φ6~φ200mm
Maximum grinding depth	170mm
Maximum outer contour diameter of grinding workpiece	220mm
Grinding diameter	400mm
Mounting chuck specifications	6 "hydraulic chuck/manual chuck
Angle of head box rotation	Two degrees before and 20 degrees after
Grinding wheel spindle parameters	
Inner hole grinding spindle power	7.5KW
Linear speed of grinding wheel	20~30m/s
Head frame spindle parameters	
Spindle speed	50-1500rpm
Spindle form	Sleeve structure bearing spindle
Cone-hole specification	MT-5
Spindle drive mode	Servomotor
X axis (workpiece spindle)	
X-axis feed stroke	410mm
X axis fast moving speed	0.1~10mm/min
X-axis feed minimum resolution	0.001
X axis servo motor power	2.2 KW
Z-axis (workbench)	
Z axis axis fast moving speed	0.1~10mm/min
Z-axis feed minimum resolution	0.001mm
Maximum travel of Z axis	410mm
Z-axis servo motor power	2.2KW

IG200 Antiwear CNC Internal Grinding Machine 1400RPM , Multipurpose Internal Grinder Device

Specifications

Coolant Tank Capacity: 60L

Grinding Wheel Spindle Motor Power: 2.2kW

Machine Type: Internal Grinder Machine

Max. Grinding Length: 200mm

Overall Dimensions: 1400x1300x1800mm

Table Swivel Angle: $\pm 45^\circ$

Wheelhead Motor Power: 2.2kW

Wheelhead Swivel Angle: $\pm 30^\circ$

Grinding Wheel Size: 200mm

Grinding Wheel Spindle Speed: 1400rpm

Max. Grinding Diameter: 100mm

Max. Workpiece Weight: 50kg

Table Speed: 0.1-3m/min

Weight: 1800kg

Wheelhead Speed: 1400rpm

High Light:

**Antiwear CNC Internal Grinding Machine.
CNC Internal Grinding Machine 1400RPM.
Multipurpose Internal Grinder Device**



1. Suitable for large size/spare parts:

High rigid structure/graphics software

2. High rigidity:

High rigidity design of the bed and grinding wheel frame, workpiece head frame, feed mechanism, etc., for large size, more allowance, high hardness products to provide the process support.

3. High efficiency:

Different grinding spindles can be selected to adapt to the processing of products with different apertures. Besides diamond pen, roller dressing is also available for dressing. Ceramic CBN grinding wheel can be used for efficient grinding, and Mabos inner diameter measuring instrument can be used for online inner diameter measurement.

4. High stability:

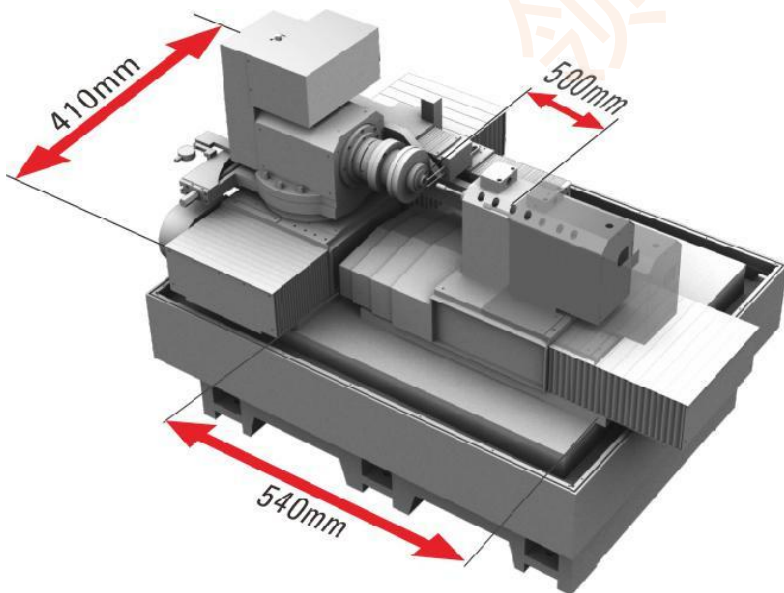
The key parts of the machine tool are selected from international top brands to ensure the reliability and precision stability of the machine tool in the life cycle.

5. High convenience:

The graphical software design allows the operator to input parameters through a user-friendly interface to quickly generate related procedures for workpiece grinding, grinding wheel dressing, online measurement, etc.

6. High security:

Fully closed machine guard and advanced toughened glass observation window, emergency stop, one key back, safety door interlock design for operators to provide security.



Inside diameter grinding range : $\varnothing 6 \sim 200\text{mm}$

Grinding maximum hole depth: 170mm

Maximum stroke of table : 500mm

Spindle speed of grinding wheel: $0 \sim 32000\text{rpm}$

Minimum X/Z axis feed resolution : 0.001mm

FX-01/01SP Small CNC Internal Grinder Machine

Corrosion Resistance Durable

Specifications

Control System: PLC

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 3000rpm

Max. Workpiece Length: 500mm

Net Weight: 1500kg

Power Supply: 380V/50Hz

Table Motor Power: 1.5kw

High Light:

Small Internal Grinder Machine.
Internal Grinder Machine Corrosion Resistance.
Durable Small CNC Grinder

Coolant Tank Capacity: 200L

Grinding Wheel Motor Power: 7.5kw

Max. Grinding Depth: 200mm

Max. Workpiece Weight: 200kg

Overall Dimension: 1400x1400x1700mm

Product Name: Internal Grinder Machine

Table Speed: 0.1-3m/min



Standard accessories		Special accessories
1.	∅3 Elastic Collet clip x 1 each	Center frame for holding material (Note: The center frame can be clamped)
2.	∅6 Elastic Collet clip x 1 each	
3.	Nuts (M14 x P0.75) x 1 each	Workpiece maximum (400mm)
4.	Toolbox and accessories x 1 set	±45° rotating disc
		Cooling plant
		4.Optical ruler
		5.Quartz Working Light 1 set

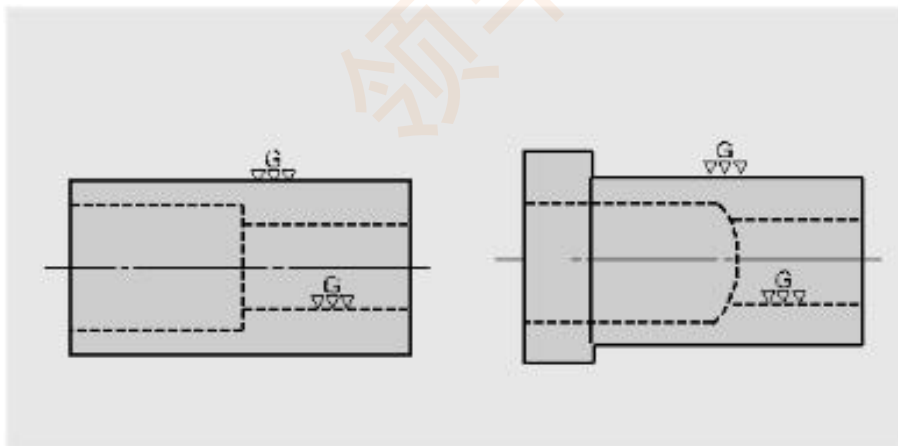
Clamping workpiece diameter	∅1.0-∅25mm	Spindle speed	0~55000rpm	
Maximum clamping length	120mm	Working head	25W	
Maximum stroke	Before and after	40mm	Main shaft	1HP
	Left and right		65mm	Before and after
Forward and backward feed indexing	0.005mm	Left and right		
Working head speed	0~380rpm	Mechanical size	900×700	
Working head rotation Angle	±5°	(L×W×H)	×1400mm	
Feed mode	Before and after	manual	Manual mechanical weight (approx.)	180kgs
	Left and right	manual	Processing range (inner hole)	1~20mm

Applicable object of this machine:

- Guide sleeve
- Needle stick for industrial use
- Needle sticks for family use
- Elastic collect
- Ceramic nozzle hole
- Ceramic guidesleeve
- Small internal hole grinding of related components



1. Diamond grinding rod Excellent cutting force performance, can be designed according to different grinding requirements.
2. Rotatable roller head, rotation Angle $\pm 45^\circ$
3. Grinding form



Internal Grinder Machine IG150, Multifunctional Grinding System 2800r/min

Specifications

Grinding Wheel Diameter: 150mm

Grinding Wheel Motor Power: 0.75KW

Grinding Wheel Motor Voltage: 220V

Grinding Wheel Thickness: 20mm

Speed: 2800r/min

Table Speed: 2-20m/min

Voltage: 220V

High Light:

Stable Internal Grinder System.
Internal Grinder System Multifunctional.
2800r/min Internal Cylindrical Grinding

Grinding Wheel Hole Diameter: 20mm

Grinding Wheel Motor Speed: 2800r/min

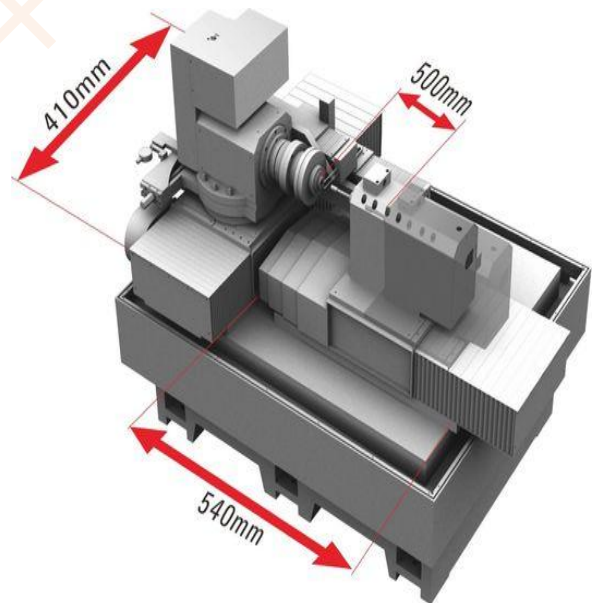
Grinding Wheel Speed: 4500r/min

Power: 2.2KW

Table Size: 200mm*500mm

Table Travel: 300mm

Weight: 400kg



Machine tool accuracy:

Machine tool accuracy test list (included)

After grinding (grinding) by Hotman's differential grinding machine, the following requirements shall be met: (Different grinding wheels shall be used for different materials)

No.	Model	Work piece	Roundness	Roughness
1.	IC150	Standard sample	$\leq 0.002\text{mm}$	$\leq \text{Ra}0.25$

Note: rough grinding (generally grinding amount 0.02~0.05mm); Fine grinding (generally grinding amount 0.005~0.015mm)

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
Grinding wheel head	Grinding wheel dressing	mm	Automatic type
	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
Other	Tail stock oil pump motor	KW	0.75
	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Practical Internal Grinder Machine Multiscene 7.5-15KW

High Precision IG-150

Specifications

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Feed Speed: 0.1-5mm/min

Grinding Wheel Speed: 1450-2800rpm

Max. Grinding Length: 200-400mm

Product Name: Internal Grinder Machine

Worktable Feed Speed: 0.1-5mm/min

Worktable Size: 200-400mm

Grinding Wheel Feed Motor Power: 0.75-2.2kw

Grinding Wheel Motor Power: 7.5-15kw

Max. Grinding Height: 200-400mm

Max. Grinding Width: 200-400mm

Worktable Feed Motor Power: 0.75-2.2kw

Worktable Motor Power: 0.75-2.2kw

Worktable Speed: 0.1-3.5rpm

High Light:

**Practical Internal Grinder Machine:
Internal Grinder Machine Multiscene:
15KW High Precision Internal Grinder**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

NO.	Project		Unit	Model:IG150
1	processing ability	Grinding inner aperture range	mm	Φ6 ~ 150
2		Maximum depth of grinding hole	mm	150
3		Working maximum outer contour diameter	mm	220
4		Topspin diameter of machine tool	mm	380
5		Mounting chuck specifications	mm	7 "manual chuck /6" hydraulic chuck
6	Working head spindle	Rotation Angle of working head seat	Deg	2 degrees before 15 degrees after
7		Spindle speed of working head	RPM	50-1500
8		Spindle structure form		Sleeve/bearing spindle
9		Spindle taper hole specification		MT-5
10		Spindle drive mode		Servomotor
11	X axis (workpiece spindle)	X-axis feed stroke	mm	410
12		X-axis feed velocity	mm /min	0.1-10
13		X-axis feed minimum resolution	mm	0.001
14	Z axis	Z axis feed stroke	mm	400
15	Worktable	Z axis feed velocity	mm /min	0-10000
16		Z-axis feed minimum resolution	mm	0.001
17	Grinding wheel head	Maximum speed of grinding wheel spindle (mechanical spindle)	rpm	20000
18		Motorized spindle (optional)	KW	3.5-12(S1)Selectable
19		Grinding wheel speed	RPM	12000~60000 Selectable
20		X-axis feed servo motor	KW	2.2
21		Z-axis feed servo motor	KW	2.2
22		Working head servo motor	KW	1.5
23		Cooling pump motor	KW	0.75
24	Lubricating oil oiler motor	KW	0.25	
25	Other	Machine tool size (length * width * height)	mm	2900*2020*1750
26		Machine weight	KG	3500

Durable 2.2KW CNC Vertical Grinder , Industrial Internal Grinding Equipment

Specifications

Workpiece Size: 50-200mm

Grinding Wheel Feeding Motor Stroke: 50mm

Grinding Wheel Feeding Speed: 0.01-0.2mm/min

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Speed: 1400rpm

Table Motor Power: 0.75KW

Grinding Wheel Feeding Motor Power: 0.75KW

Grinding Wheel Feeding Motor Accuracy: 0.005mm

High Light:

**Durable CNC Vertical Grinder, 2.2KW CNC Vertical Grinder,
Industrial Internal Grinding Equipment**



The Internal Grinder Machine is an assembly of precision internal grinding mechanism that provides superior grinding performance. It is designed to grind workpieces of size ranging from 50mm to 200mm. The grinding wheel feeding motor speed is adjustable from 50rpm to 1000rpm. The table size is 400mm, and the grinding wheel motor power is 2.2KW while the grinding wheel feeding motor power is 0.75KW. This Internal Grinder Machine is a powerful and reliable machine for internal grinding, offering excellent performance and precision.

Features:

- ① Product Name: Internal Grinder Machine
- ② Grinding Wheel Feeding Motor Power: 0.75KW
- ③ Grinding Wheel Feeding Motor Accuracy: 0.005mm
- ④ Workpiece Size: 50-200mm
- ⑤ Table Size: 400mm
- ⑥ Table Motor Power: 0.75KW
- ⑦ Internal Grinding Mechanism: Yes
- ⑧ Internal Grinder Component: Yes
- ⑨ Internal Grinding Machinery: Yes

Parameter	Value
Grinding Wheel Feeding Motor Speed	50-1000rpm
Grinding Wheel Motor Power	2.2KW
Grinding Wheel Speed	1400rpm
Grinding Wheel Feeding Motor Torque	1.5N.m
Grinding Wheel Feeding Motor Power	0.75KW
Table Speed	0.1-3m/min
Table Size	400mm
Workpiece Weight	100kg
Grinding Wheel Feeding Motor Accuracy	0.005mm
Workpiece Size	50-200mm

IG-150 Hotman 3000RPM Internal Grinder Machine

IG-150 Multifunctional Stable

Specifications

Type: Internal Grinder Machine

Grinding Wheel Motor: 2.2KW

Grinding Wheel Speed: 3000rpm

Max. Grinding Diameter: 200mm

Overall Dimensions: 1700*1400*1700mm

Table Speed: 0.1-3m/min

Tailstock Taper: MT-3

Workhead Speed: 50-400rpm

Coolant Tank Capacity: 100L

Grinding Wheel Size: 200mm

Grinding Wheel Spindle: BT-50

Max. Grinding Length: 500mm

Table Motor: 0.75KW

Table Travel: 500mm

Workhead Motor: 0.75KW

High Light:

**3000RPM Internal Grinder Machine.
Internal Grinder Machine Multifunctional.
Stable Internal Grinder Equipment**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

1. Ontology:

The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Automatic lubrication system:

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Grinding wheel spindle:

Grinding wheel spindle adopts FAG high-precision spindle bearing sleeve structure, without separate lubrication, simple maintenance, free of metal-to-metal contact, grinding wheel spindle has the characteristics of high rigidity and precision, can obtain nearly permanent service life. For special workpiece grinding, optional motorized spindle, with the function of increasing linear speed.

4. Numerical control system:

Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

High Precision Multipurpose Grinder with High efficiency 0.01-0.2mm/Min Multifunctional Internal Grinding Machine

Specifications

Grinding Wheel Feeding Speed: 0.01-0.2mm/min

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 1400rpm

Table Motor Power: 0.75KW

High Light:

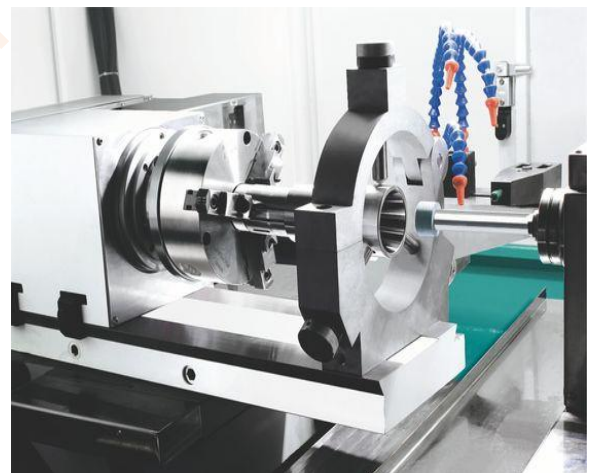
**0.75KW Internal Grinder Machine,
Internal Grinder Machine Multipurpose,
0.2mm/Min Internal Bore Grinding Machine**

Table Speed: 0.1-3m/min

Grinding Wheel Feeding Motor Torque: 1.5N.m

Grinding Wheel Feeding Motor Power: 0.75KW

Grinding Wheel Feeding Motor Repeatability: 0.001mm



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Features:

Product Name: Internal Grinder Machine

Internal Grinding Mechanism: Grinding Wheel Feeding Motor Torque: 1.5N.m, Table Speed: 0.1-3m/min, Grinding Wheel Feeding Motor Accuracy: 0.005mm

Internal Grinder Equipment: Workpiece Weight: 100kg, Grinding Wheel Diameter: 200mm

Internal Grinder Assembly: Internal Grinding Mechanism, Internal Grinder Equipment

Technology	Parameters
Grinding Wheel Feeding Motor Power	0.75KW
Table Motor Power	0.75KW
Grinding Wheel Speed	1400rpm
Grinding Wheel Feeding Motor Accuracy	0.005mm
Grinding Wheel Feeding Motor Repeatability	0.001mm
Grinding Wheel Motor Power	2.2KW
Workpiece Weight	100kg
Table Speed	0.1-3m/min
Workpiece Size	50-200mm
Grinding Wheel Feeding Speed	0.01-0.2mm/min

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

IG200 220V 380V CNC Internal Grinder , Practical External Internal Grinding Machine

Specifications

Grinding Wheel Feeding Motor Power: 0.04KW

Grinding Wheel Feeding Motor Voltage: 220V/380V

Grinding Wheel Motor Power: 0.75KW

Grinding Wheel Speed: 4500r/min

Power: 2.2KW

Size: 1300*1300*1700mm

Type: Grinding Machine

Weight: 400KG

Grinding Wheel Feeding Motor Speed: 100-1000r/min

Grinding Wheel Feeding Speed: 0.1-3mm/min

Grinding Wheel Size: 150mm

Name: Internal Grinder Machine

Processing Range: $\phi 3$ - $\phi 50$ mm

Speed: 2800r/min

Voltage: 380V

High Light:

**220V CNC Internal Grinder. 380V CNC Internal Grinder.
Practical External Internal Grinding Machine**



Strong grinding force, large margin workpiece efficient grinding;

Focus on high rigidity and high stability;

Pursue efficient grinding and can be equipped with Marposs inner diameter measuring device.

Project	Parameter
Processing capacity	
Grinding aperture range	Φ6~φ200mm
Maximum grinding depth	170mm
Maximum outer contour diameter of grinding workpiece	220mm
Grinding diameter	400mm
Mounting chuck specifications	6 "hydraulic chuck/manual chuck
Angle of head box rotation	Two degrees before and 20 degrees after
Grinding wheel spindle parameters	
Inner hole grinding spindle power	7.5KW
Linear speed of grinding wheel	20~30m/s
Head frame spindle parameters	
Spindle speed	50-1500rpm
Spindle form	Sleeve structure bearing spindle
Cone-hole specification	MT-5
Spindle drive mode	Servomotor
X axis (workpiece spindle)	
X-axis feed stroke	410mm
X axis fast moving speed	0.1~10mm/min
X-axis feed minimum resolution	0.001
X axis servo motor power	2.2 KW
Z-axis (workbench)	
Z axis axis fast moving speed	0.1~10mm/min
Z-axis feed minimum resolution	0.001mm
Maximum travel of Z axis	410mm
Z-axis servo motor power	2.2KW

IG200 CE Durable CNC Internal Grinding Machine , Multifunctional CNC Vertical Grinder

Specifications

Table Speed: 0.1-3m/min

Grinding Wheel Feeding Motor Repeatability: 0.001mm

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Power: 2.2KW

High Light:

**CE CNC Internal Grinding Machine,
Durable CNC Internal Grinding Machine,
Multifunctional CNC Vertical Grinder**

Grinding Wheel Feeding Motor Stroke: 50mm

Grinding Wheel Feeding Motor Speed: 50-1000rpm

Table Motor Power: 0.75KW

Grinding Wheel Feeding Motor Torque: 1.5N.m



Product Description:

The Internal Grinder Machine is a highly efficient grinding machinery designed for internal grinding operations. It is made up of an Internal Grinder Assembly, featuring a workpiece weight of 100kg and a grinding wheel feeding motor stroke of 50mm. The grinding wheel diameter is 200mm, with a grinding wheel feeding motor power of 0.75KW, and a table size of 400mm. This Internal Grinding Machinery is perfect for grinding the internal surface of various materials, and is capable of achieving a high level of accuracy and precision in grinding. With its robust construction and advanced features, the Internal Grinder Machine guarantees reliable and consistent performance.

Features:

Product Name: Internal Grinder Machine

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Feeding Motor Repeatability: 0.001mm

Grinding Wheel Feeding Motor Speed: 50-1000rpm

Grinding Wheel Speed: 1400rpm

Table Size: 400mm

Internal Grinding Device: Yes

Internal Grinding Equipment: Yes

Parameter	Value
Grinding Wheel Feeding Motor Accuracy	0.005mm
Grinding Wheel Feeding Motor Power	0.75KW
Workpiece Weight	100kg
Workpiece Size	50-200mm
Grinding Wheel Speed	1400rpm
Table Size	400mm
Grinding Wheel Diameter	200mm
Grinding Wheel Motor Power	2.2KW
Grinding Wheel Feeding Motor Stroke	50mm
Grinding Wheel Feeding Motor Speed	50-1000rpm
Internal Grinding Device	Yes
Internal Grinder System	Yes
Internal Grinder Assembly	Yes

0.01-0.2mm/min Internal Grinder Machine Corrosion Resistance-IG150

Specifications

Grinding Wheel Speed: 1400rpm

Grinding Wheel Feeding Motor Repeatability: 0.001mm

Grinding Wheel Feeding Motor Accuracy: 0.005mm

Grinding Wheel Feeding Motor Stroke: 50mm

High Light:

0.01mm/Min Internal Grinder Machine,

0.2mm/Min Internal Grinder Machine,

Corrosion Resistance Internal Grinding Machinery

Grinding Wheel Diameter: 200mm

Workpiece Size: 50-200mm

Grinding Wheel Feeding Speed: 0.01-0.2mm/min

Grinding Wheel Feeding Motor Torque: 1.5N.m



Product Description:

The Internal Grinder Machine is an advanced machine tool that offers superior grinding performance and precision grinding capabilities. It features a grinding wheel feeding motor with a repeatability of 0.001mm, and a table speed ranging from 0.1 to 3m/min. The maximum workpiece size is 50-200mm, and the workpiece weight is 100kg. The grinding wheel feeding speed is adjustable from 0.01 to 0.2mm/min. With its cutting-edge Internal Grinder Component and Internal Grinder Technology, this machine is capable of providing precision grinding results for various parts. It is ideal for any application requiring precision grinding, from small components to large parts. The Internal Grinder Machine is the perfect choice for those looking for a reliable and accurate grinding solution.

Features:

Product Name: Internal Grinder Machine

Table Size: 400mm

Grinding Wheel Feeding Motor Torque: 1.5N.m

Workpiece Size: 50-200mm

Grinding Wheel Feeding Speed: 0.01-0.2mm/min

Grinding Wheel Motor Power: 2.2KW

Internal Grinder Equipment

Internal Grinder Component

Parameter	Value
Grinding Wheel Speed	1400rpm
Table Size	400mm
Workpiece Size	50-200mm
Grinding Wheel Feeding Speed	0.01-0.2mm/min
Grinding Wheel Feeding Motor Repeatability	0.001mm
Workpiece Weight	100kg
Grinding Wheel Feeding Motor Accuracy	0.005mm
Grinding Wheel Diameter	200mm
Table Speed	0.1-3m/min
Table Motor Power	0.75KW

1400RPM Internal Grinder Machine Practical

Multipurpose IG150

Specifications

Grinding Wheel Feeding Motor Power: 0.75KW

Workpiece Size: 50-200mm

Grinding Wheel Feeding Motor Torque: 1.5N.m

Grinding Wheel Speed: 1400rpm

Grinding Wheel Feeding Motor Repeatability: 0.001mm

Grinding Wheel Diameter: 200mm

Table Size: 400mm

Grinding Wheel Motor Power: 2.2KW

High Light:

1400RPM Internal Grinder Machine,

Internal Grinder Machine Practical,

Multipurpose Internal Cylindrical Grinding Machine



Product Description:

The Internal Grinder Machine is a highly advanced technology designed to perform precise internal grinding operations. With a grinding wheel diameter of 200mm, a table size of 400mm, and a grinding wheel feeding motor accuracy of 0.005mm, it is capable of grinding workpieces ranging from 50 to 200mm in size. The grinding wheel feeding motor speed is adjustable from 50 to 1000rpm, ensuring precise and accurate grinding results. The Internal Grinder Machine is the perfect choice for any internal grinding needs, with its advanced internal grinder technology, precise internal grinder assembly, and highly reliable internal grinding machine.

Features:

Product Name: Internal Grinder Machine

Internal Grinding Machinery: 50-1000rpm

Internal Grinding Mechanism: 400mm

Internal Grinding Mechanism Motor Speed: 0.75KW

Table Size: 0.75KW

Grinding Wheel Feeding Motor Power: 0.1-3m/min

Parameter	Value
Grinding Wheel Motor Power	2.2KW
Grinding Wheel Feeding Motor Torque	1.5N.m
Table Size	400mm
Grinding Wheel Feeding Motor Speed	50-1000rpm
Table Speed	0.1-3m/min
Grinding Wheel Feeding Motor Power	0.75KW
Workpiece Weight	100kg
Grinding Wheel Speed	1400rpm
Table Motor Power	0.75KW
Grinding Wheel Diameter	200mm

IG150 Automatic CNC Internal Grinder 0.75KW , Stable Vertical Internal Grinding Machine

Specifications

Grinding Wheel Feeding Speed: 0.01-0.2mm/min

Grinding Wheel Motor Power: 2.2KW

Workpiece Size: 50-200mm

Grinding Wheel Feeding Motor Repeatability: 0.001mm

High Light:

**Automatic CNC Internal Grinder, CNC Internal Grinder 0.75KW,
Stable Vertical Internal Grinding Machine**

Grinding Wheel Feeding Motor Torque: 1.5N.m

Table Speed: 0.1-3m/min

Grinding Wheel Feeding Motor Speed: 50-1000rpm

Grinding Wheel Feeding Motor Stroke: 50mm



Product Description:

The Internal Grinder Machine is a type of internal grinding device, which is an internal grinder equipment used for grinding internal surfaces of parts. This internal grinding mechanism is equipped with a powerful and robust 2.2KW grinding wheel motor that rotates at a speed of 1400rpm, providing an accurate and repeatable grinding performance. It also has a grinding wheel feeding motor with a repeatability of 0.001mm and accuracy of 0.005mm, along with a grinding wheel diameter of 200mm. This Internal Grinder Machine is perfect for grinding internal parts and surfaces with excellent precision and accuracy.

Features:

Internal Grinding Machine: Internal Grinder Machine

Grinding Wheel Feeding Motor Stroke: 50mm

Grinding Wheel Diameter: 200mm

Grinding Wheel Feeding Motor Power: 0.75KW

Grinding Wheel Feeding Motor Accuracy: 0.005mm

Table Motor Power: 0.75KW

Internal Grinder Technology: High precision, reliable performance, and easy operation

Internal Grinder System: Automated grinding wheel feeding, spindle speed adjustment, and automatic wheel dressing

Internal Grinding Accuracy: High accuracy grinding with 0.005mm tolerance

Parameter	Value
Grinding Wheel Feeding Motor Repeatability	0.001mm
Grinding Wheel Feeding Speed	0.01-0.2mm/min
Grinding Wheel Feeding Motor Power	0.75KW
Grinding Wheel Motor Power	2.2KW
Table Motor Power	0.75KW
Table Size	400mm
Grinding Wheel Feeding Motor Speed	50-1000rpm
Grinding Wheel Diameter	200mm
Grinding Wheel Speed	1400rpm
Workpiece Size	50-200mm

High Precision CNC Internal Grinding Machine IG200 For Large Size, Excess Grinding Volume Workpieces

Specifications

Grinding Wheel Feeding Speed: 0.01-0.2mm/min

Grinding Wheel Diameter: 6-200mm

Grinding Wheel Speed: 32000 Rpm

Table Motor Power: 0.75KW

X/Z Axis Feed Min. Resolution: 0.001mm

X-axis Feeding Speed: 0.1-15

Table Speed: 0.1-3m/min

Grinding Wheel Feeding Motor Torque: 1.5N.m

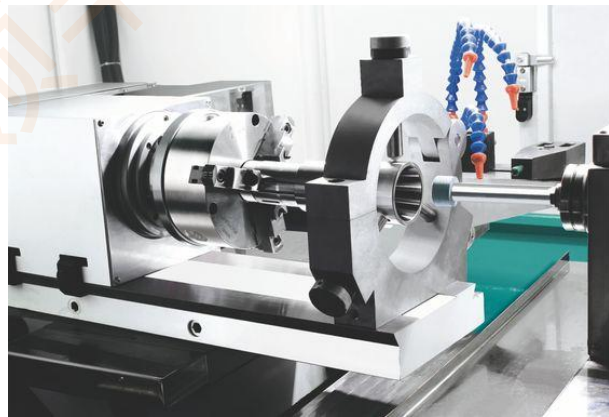
Grinding Wheel Feeding Motor Power: 0.75KW

Grinding Wheel Feeding Motor Repeatability: 0.001mm

Max Worktable Travel: 500mm

High Light:

**High Precision Internal Grinding Machine,
Large Size Internal Grinding Machine,
CNC Internal Grinding Machine**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. An automatic centralized lubrication system lubricates the machine linear guides and ball screws continuously, which makes sure longer service life and high precision. The cooling system is separated with machine body, which eliminates vibration and helps heat radiation.

3. The grinding wheel spindle adopts an electric spindle with the characteristics of high speed, high precision, high rigidity, low vibration, low noise and low temperature rise. The driving system is cooled by a water cooling system to ensure that the grinding wheel headstock always works in a thermally stable state, making the grinding wheel more stable, and working efficiency is doubled. According to the processing needs, electric spindles with different speeds of 24000-60000rpm are optional; for workpieces with deep inner circles, an integrated spindle can be customized to achieve precision grinding.

4. It adopts German Siemens CNC system and has undergone further development. It has a user-friendly human-machine dialogue operation interface and is equipped with Siemens high-performance servo motors, which makes the equipment CNC system and transmission system have better compatibility. It also has automatic sand dressing and automatic offset function, which ensures the stability and accuracy of feed and grinding.

5. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

6. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

7. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

8. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Item		unit	IG150	IG200	Accessories
Processing capacity	Grinding diameter range	mm	Ø6-Ø150	Ø6-Ø200	 <p>Standard accessories</p> <ul style="list-style-type: none"> • Grinding cooling device • Diamond dressing pen • Angle adjustment table • Toolbox and tools • Spindle grinding wheel adapter • High speed grinding spindle • basic adjustment block <p>Special accessories</p> <ul style="list-style-type: none"> • Hydraulic three-jaw chuck 6" •C huck flange 6" • 30000rpm Mechanical spindle, different speed electric spindle • Automatic inner diameter measuring device
	grinding dept h	mm	150	170	
	Max. outer dia. of grinding workpiece	m m e	220	220	
	Work surface radius	m m	380	400	
	Installable chuck specifications		6"Hydraulic/manual chuck	6"Hydraulic/manual chuck	
	Bedside box rotation angle	Deg	Front 2/Back 15	Front 2/Back 20	
Grinding wheel spindle parameters	Internal hole grinding spindle power	KW	1.5	7.5	
	Internal hole grinding spindle speed	rpm	20000 Mechanical spindle	electric spindle speed Optional	
Headstock spindle parameters	Spindle speed	rpm	50-1500	50-1500	
	Spindle form		Sleeve structure bearing spindle	Sleeve structure bearing spindle	
	Taper hole specifications		MT-5	MT-5	
	Spindle drive method		Servo motor	Servo motor	
X axis (workpiece spindle)	X-axis feed travel	m m	410	410	
	X-axis rapid movement speed	mm/ m i n	0.1 -10	0.1 -10	
	X-axis feed min. resolution	m m	0.001	0.001	
	X-axis servo motor power	kw	2.2	2.2	
Z axis (worktable)	Z-axis rapid movement speed	mm/ m i n	0.1 -10	0.1 -10	
	Z-axis min. feed resolution	m m	0.001	0.001	
	Max. moving range	m m	540	410	
	Z-axis servo motor power	KW	2.2	2.2	
Motor	Grinding wheel spindle motor	KW	7.5	7.5	
	X-axis feed motor (servo)	KW	2.2	2.2	
	Z-axis feed motor (servo)	KW	2.2	2.2	
	Headstock spindle motor (servo)	KW	1.5	1.5	
	Cooling water pump motor	KW	0.75	0.75	
	Lube motor	KW	1/4	1/4	
Other	Machine size (L × W × H)	m m	2400 × 1930 × 1790	2400 × 1930 × 1790	
	G.W (appx.)	Kg	3500	4000	

Internal Grinder For Small Inner Diameter Minimum 6 Mm, Applicable For Various Size Workpiece

Specifications

Grinding Wheel Diameter: Min 6mm, Max: 150mm

Grinding Wheel Motor Power: 0.75KW

Grinding Wheel Motor Voltage: 220V

Grinding Wheel Thickness: 20mm

Speed: 2800r/min

Table Speed: 2-20m/min

Voltage: 220V

Wheelhead Swivel Angle: $\pm 30^\circ$

Workpiece Weight: 100kg

Table Motor Power: 0.75KW

Wheelhead Motor Power: 2.2kW

Power Source: Electric

Tailstock Taper: MT-3

High Light:

Small Inner Diameter Internal Grinder.

Various Size Workpiece Internal Grinder.

Minimum 6mm Diameter Internal Grinder

Maxium Grinding Depth: 150mm

Grinding Wheel Motor Speed: 2800r/min

Grinding Wheel Speed: 3000rpm

Power: 2.2KW

Table Size: 400mm

Table Travel: 300mm

Weight: 400kg

Net Weight: 1500kg

Workpiece Rotation Speed: 50rpm

Grinding Wheel Motor: 7.5kw

Frequency: 50Hz

Workpiece Size: 50-200mm

Size: 1300*1300*1700mm



Machine tool accuracy test list (included)

After grinding (grinding) by Hotman's differential grinding machine, the following requirements shall be met: (Different grinding wheels shall be used for different materials)

No.	Model	Work piece	Roundness	Roughness
1.	IC150	Standard sample	$\leq 0.002\text{mm}$	$\leq \text{Ra}0.25$

Note: rough grinding (generally grinding amount 0.02~0.05mm); Fine grinding (generally grinding amount 0.005~0.015mm)

The body and components are cast by Milhanna high grade cast iron FC30. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

Grinding wheel spindle adopts FAG high-precision spindle bearing sleeve structure, without separate lubrication, simple maintenance, free of metal-to-metal contact, grinding wheel spindle has the characteristics of high rigidity and precision, can obtain nearly permanent service life. For special workpiece grinding, optional motorized spindle, with the function of increasing linear speed.

Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose.

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servomotor, the equipment CNC system and drives system have better compatibility, at the same time with automatics and repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Grinding program is created automatically through the user-friendly interface, using graphical programming tools shopmill / shopturn, unnecessarily needing special G codes (Optional).

No need battery or cooling fan. And no need memory battery for the motor coder.

Ethernet connector. No capacity limit USB (on line) and CF card. The programs in USB and CF card can be modified at will. Process monitor on line. And the data can be saved forever.

Process showing with animation. High efficiency.

There are kinds of optional functions, including automatic end-surface measuring, automatic inner diameter measuring, hydraulic tail stock, highly integrated auto loading and unloading system, and so on.

Automatic wheel dressing and offset. Keep high precision and stability for the feeding and grinding.

Project		Unit	Model:IG150
Processing capacity	Maximum rotating diameter of table	mm	0-150
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Internal Grinder For Small Inner Diameter Less Than 150mm, Multifunctional Grinding System

Specifications

Grinding Wheel Diameter: 6-150mm
Grinding Wheel Motor Power: 0.75KW
Grinding Wheel Motor Voltage: 220V
Grinding Wheel Thickness: 20mm
Speed: 2800r/min
Table Speed: 2-20m/min
Voltage: 220V
Wheelhead Swivel Angle: $\pm 30^\circ$
Workpiece Weight: 100kg
Table Motor Power: 0.75KW
Wheelhead Motor Power: 2.2kW
Power Source: Electric
Tailstock Taper: MT-3

Grinding Wheel Hole Diameter: 20mm
Grinding Wheel Motor Speed: 2800r/min
Grinding Wheel Speed: 3000rpm
Power: 2.2KW
Table Size: 400mm
Table Travel: 300mm
Weight: 400kg
Net Weight: 1500kg
Workpiece Rotation Speed: 50rpm
Grinding Wheel Motor: 7.5kw
Frequency: 50Hz
Workpiece Size: 50-200mm
Size: 1300*1300*1700mm

High Light:

Small Inner Diameter Internal Grinder.
150mm Diameter Internal Grinder.
Multifunctional Grinding System Internal Grinder



Machine tool accuracy test list (included)

After grinding (grinding) by Hotman's differential grinding machine, the following requirements shall be met: (Different grinding wheels shall be used for different materials)

No.	Model	Work piece	Roundness	Roughness
1.	IC150	Standard sample	$\leq 0.002\text{mm}$	$\leq \text{Ra}0.25$

Note: rough grinding (generally grinding amount 0.02~0.05mm); Fine grinding (generally grinding amount 0.005~0.015mm)

Device description:

The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose.

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear.

Numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Grinding program is created automatically through the user-friendly interface, using graphical programming tools shopmill / shopturn, unnecessarily needing special G codes (Optional).

No need battery or cooling fan. And no need memory battery for the motor coder.

Ethernet connector. No capacity limit USB (on line) and CF card. The programs in USB and CF card can be modified at will. Process monitor on line. And the data can be saved forever.

Process showing with animation. High efficiency.

There are kinds of optional functions, including automatic end-surface measuring, automatic inner diameter measuring, hydraulic tail stock, highly integrated auto loading and unloading system, and so on.

Automatic wheel dressing and offset. Keep high precision and stability for the feeding and grinding.

Project		Unit	Model:IG150
Processing capacity	Maximum rotating diameter of table	mm	0-150
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

High Precision Centerless Grinding Machine, Centerless Grinder For Thinner Workpieces, Thinner Parts

Specifications

Regulating Wheel Spindle Speed: 3000rpm
Grinding Wheel Size: 200mm
Grinding Wheel Head Swivel Angle: $\pm 10^\circ$
Grinding Wheel Spindle Motor Power: 2.2KW
Regulating Wheel Motor Power: 1.5KW
Regulating Wheel Speed: 3000rpm
Regulating Wheel Spindle Taper: Morse No.4

Grinding Wheel Speed: 3000rpm
Grinding Wheel Spindle Taper: Morse No.4
Grinding Wheel Motor Power: 2.2KW
Grinding Wheel Spindle Speed: 3000rpm
Regulating Wheel Size: 150mm
Regulating Wheel Spindle Motor Power: 1.5KW
High Light
Thinner Parts Centerless Grinding Machine.
High Precision Centerless Grinding Machine.
Thinner Workpieces Centerless Grinding Machine



Centerless Grinding Machine FX-12S of The best choice for Thinner Parts/Workpieces
1.The best choice for small parts grinding

2. Best cost performance:

- Small footprint, low operating cost
- High rigid structure, can obtain high roundness and finish
- Precise manual spatula ensures long-term precision and stability of processing

Standard table diameter	Ø0.5~40mm
Grinding wheel size (outer diameter * width * Inner diameter)	Ø305*150*120mm
Grinding wheel speed	1950rpm
Small feed quantity	0.001mm
Special custom machine machining diameter	Ø0.05~0.5mm

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Spindle automatic lubricating circulating oil (senior spindle oil 10#) and oil pressure dressing device is the same oil pump, external oil tank, easy to clean and change oil, spindle circulating oil through the double circuit device filter and equipped with pressure controller, to ensure the life of the spindle.
4. The driving Motor of the spindle of the adjusting wheel adopts YAS KAWA Servo Motor of Taiwan, and the FX-12S speed controls 0~320rpm to adjust the optimal linear speed. When the outside diameter of the adjusting wheel changes, the linear speed can still maintain the same, which ensures the precision and finish of the machining workpiece and grinds out the best product.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Model	FX-12S/FX-12CNC	FX-18S/FX-18CNC
Standard worktable diameter	Ø0.5-40mm Ø0.05-0.5mm(★customized)	Ø1-60mm
Grinding wheel size (O D × W × ID)	Ø305×150×Ø120mm	Ø455×205×Ø228.6mm
Guide wheel size O D × W × ID)	Ø205×150×Ø90mm	Ø255×205×Ø111.2mm
Grinding wheel speed	1950 R.P.M	1520 R.P.M
Guide wheel speed	0-320R.P.M	0-250 R.P.M
Grinding wheel drive motor	7.5HP	15HP
Steering wheel drive motor	2.0KW AC SERVO MOTOR	3.0 KW AC SERVO MOTOR
Hydraulic pump drive motor	1HP	2HP
Cooling pump drive motor	1/8HP	1/4HP
Guide wheel feed handwheel	3.5mm/r 0.02mm/scale	3.5mm/r 0.05mm/scale
Fine adjustment hand wheel	0.1mm/r 0.001mm/scale	0.1mm/r 0.001mm/scale
Worktable feed handwheel	7mm/r 0.05mm/scale	9mm/r 0.10mm/scale
Worktable fine adjust.handwheel	0.2mm/r 0.001mm/scale	0.2mm/r 0.001mm/scale
Dressing feed hand wheel	1.5mm/r 0.01mm/scale	2mm/r 0.01mm/scale
Guide wheel tilt angle	+5°--3°	+6°--5°
Guide wheel rotation angle	±6°	±6°
Dimension (L × W × H)	1800×1400×1450mm	2350×1960×1550mm
Package Dim.(L × W × H)	2350×1650×1770mm	2900×2400×1850mm
Gross Weight(appx.)	1700kgs	2850kgs

领丰

Multifunctional Semi Automatic High Precision Centerless Grinding Machine

Specifications

Grinding Wheel Diameter: 200-500mm

Grinding Wheel Motor Power: 3-7.5kw

Grinding Wheel Spindle Motor Power: 1.5-2.2kw

Grinding Wheel Width: 50-100mm

Regulating Wheel Feed Speed: 0.1-2mm/min

Regulating Wheel Speed: 1450-2800rpm

Regulating Wheel Spindle Speed: 1450-2800rpm

High Light

CE Centerless Grinding Machine.

Centerless Grinding Machine Stable.

Multiscene Automatic Centerless Grinding Machine

Grinding Wheel Feed Speed: 0.1-2mm/min

Grinding Wheel Speed: 1450-2800rpm

Grinding Wheel Spindle Speed: 1450-2800rpm

Regulating Wheel Diameter: 200-400mm

Regulating Wheel Motor Power: 3-7.5kw

Regulating Wheel Spindle Motor Power: 1.5-2.2kw

Regulating Wheel Width: 50-100mm



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Industrial Automatic CNC Grinder , Practical Centerless Cylindrical Grinding-FX-18CNC-3

Specifications

GrindingWheelCooling: Oil

GrindingWheelCoolingTemperature: 25°C

GrindingWheelDressingDepth: 0.01mm

GrindingWheelDressingFrequency: Weekly

GrindingWheelDressingSpeed: 100rpm

GrindingWheelFeedRate: 0.1mm/s

GrindingWheelMaterial: CBN

GrindingWheelSpeed: 3000rpm

GrindingWheelCoolingRate: 2L/min

GrindingWheelDressing: Automatic

GrindingWheelDressingForce: 1.5N

GrindingWheelDressingInterval: 5min

GrindingWheelDressingTool: Diamond

GrindingWheelGrainSize: 120#

GrindingWheelSize: 200mm

High Light:

**Industrial Automatic CNC Grinder,
Automatic CNC Grinder Cylindrical,
Practical Centerless Cylindrical Grinding**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Specifications

No.	Item	Unit	Model FX-18CNC-3
1	Grinding diameter	mm	Φ 1-60
2	Grinding wheel sizes (OD*W*ID)	mm	Φ455x205xΦ228.6
3	Regulating wheel sizes (OD*W*ID)	mm	Φ255x205xΦ111.2
4	Grinding wheel spindle speed	RPM	1470
5	Regulating wheel spindle speed	RPM	0-250
6	Grinding wheel spindle motor	KW	11
7	Regulating wheel spindle motor	KW	3
8	Feeding servo motor	KW	2.4
9	Dress servo motor	KW	1.0*2
10	Hydraulic pump driving motor	KW	0.75
11	Cooling pump driving motor	KW	0.37
12	Regulating wheel feeding hand-wheel	mm	3.5/rev., 0.05/gra.
13	Regulating fine turning hand-wheel	mm	0.1/rev., 0.001/gra.
14	Worktable feeding hand-wheel	mm	0.001mm, feeding minimum
15	Worktable fine turning hand-wheel	mm	0.2/rev., 0.001/gra.
16	Dress feeding hand-wheel	mm	2/rev., 0.01/gra.
17	Tilt angle of regulating wheel	Deg	+5° ~ -3°
18	Return angle of regulating wheel	Deg	±5°
19	Machine sizes (L*W*H)	mm	2450×1400×1700
20	Machine weight	KG	approx. 3200

Durable Multipurpose Cylindrical Centerless Grinding Machine with Wheel Speed 1420RPM Grinder FX-12CNC

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Current: 4A

Grinding Wheel Motor Speed: 1420rpm

Grinding Wheel Speed: 4500rpm

Regulating Wheel Diameter: 150mm

Regulating Wheel Motor Power: 1.5KW

Regulating Wheel Motor Voltage: 380V

Regulating Wheel Width: 50mm

Grinding Wheel Hole Diameter: 50mm

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Motor Voltage: 380V

Grinding Wheel Width: 50mm

Regulating Wheel Hole Diameter: 50mm

Regulating Wheel Motor Speed: 1420rpm

Regulating Wheel Speed: 4500rpm

High Light

Cylindrical Centerless Grinding Machine.

Centerless Grinding Machine 1420RPM.

Durable Centerless Cylindrical Grinding Machine



Durable Multipurpose Cylindrical Centerless Grinding Machine with Wheel Speed 1420RPM

Grinder FX-12CNC

1. Ontology. The body and main components are cast with Meehanna high-grade cast iron FC-30.
2. Spindle system. The spindle adopts Taiwan Jianchang brand, SNCM-21H alloy steel.
3. Adjust the wheel drive system. Adjusting wheel spindle drive motor using Delta servo motor, speed control 0-250rpm(digital control) can be arbitrarily set speed.
4. Spindle circulating oil system. Spindle automatic lubrication circulating oil (advanced spindle oil 10#) and oil pressure dressing device is the same oil pump, external tank.

Technology specification:

Mechanical specification	Model:FX-12CNC-I
Machining range (diameter)	0.5mm-40mm
Grinding wheel size (OD * W * OD)	Φ305*150*Φ120mm
Adjusting wheel size (OD * W * OD)	Φ205*150*Φ90mm
Grinding wheel speed	1950RPM
Adjusting wheel speed	0-320RPM
The grinding wheel drives the motor	5.5KW
Adjusting wheel servo motor	2.0kw AC SERVO MOTOR
Servo feed motor	1.5KW
The hydraulic pump drives the motor	0.75KW
The cooling pump drives the motor	0.125KW
Adjusting wheel feed hand wheel	3.5mm/ turn 0.02mm/ scale
Adjusting wheel fine tuning hand wheel	0.1mm/ turn 0.001mm/ scale
Feed accuracy	0.001mm
Adjust wheel tilt Angle	+5° ~ -3°
Adjust the rotation Angle	±5°
Mechanical dimension	1800×1400×1450mm
Packing size	2350×1650×1770mm
Mechanical weight	2000kg
Packing weight	2300 kg

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development,

man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Multifunctional Centerless Grinding Machine 50HZ Wear Resistant Semi Auto Centerless Grinder

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Cooling Method: Air Cooling

Grinding Wheel Motor Frequency: 50HZ

Grinding Wheel Motor Noise Level: ≤ 75 dB

Grinding Wheel Motor Protection Level: IP54

Grinding Wheel Motor Speed: 1440rpm

Grinding Wheel Motor Working Temperature: $\leq 40^{\circ}\text{C}$

Grinding Wheel Width: 50mm

Grinding Wheel Hole Diameter: 20mm

Grinding Wheel Motor Current: 4A

Grinding Wheel Motor Insulation Grade: F

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Motor Rotating Direction: CW/CCW

Grinding Wheel Motor Voltage: 380V

Grinding Wheel Speed: 3000rpm

High Light:

Multifunctional Centerless Grinder Machine.

Centerless Grinder Machine 50HZ

Wear Resistant Internal Centreless Grinding



1	Supply voltage	380V
2	Total installed power	8KW
3	Operating ambient temperature	8-40°C
4	Grinding fluid filtration method	Magnet or paper tape filter
5	Cooling water pump	0.25KW
6	Cooling water tank	220L

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Multifunctional Centerless Grinding Machine 50HZ Wear Resistant Semi Auto Centerless Grinder

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Cooling Method: Air Cooling

Grinding Wheel Motor Frequency: 50HZ

Grinding Wheel Motor Noise Level: ≤ 75 dB

Grinding Wheel Motor Protection Level: IP54

Grinding Wheel Motor Speed: 1440rpm

Grinding Wheel Motor Working Temperature: $\leq 40^{\circ}\text{C}$

Grinding Wheel Width: 50mm

Grinding Wheel Hole Diameter: 20mm

Grinding Wheel Motor Current: 4A

Grinding Wheel Motor Insulation Grade: F

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Motor Rotating Direction: CW/CCW

Grinding Wheel Motor Voltage: 380V

Grinding Wheel Speed: 3000rpm

High Light:

**Multifunctional Centerless Grinder Machine.
Centerless Grinder Machine 50HZ.
Wear Resistant Internal Centreless Grinding**



Installation environment requirement:

1	Supply voltage	380V
2	Total installed power	8KW
3	Operating ambient temperature	8-40°C
4	Grinding fluid filtration method	Magnet or paper tape filter
5	Cooling water pump	0.25KW
6	Cooling water tank	220L

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation

function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

FX-24CNC 50Hz Centreless Grinder Machine , Air Cooling

CNC Grinding Equipment

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 3000rpm

Grinding Wheel Spindle Motor Cooling Method: Air Cooling

Grinding Wheel Spindle Motor Insulation Grade: F

Grinding Wheel Spindle Motor Protection Level: IP54

Grinding Wheel Spindle Motor Torque: 2N.m

Grinding Wheel Spindle Speed: 3000rpm

High Light:

IP54 Centreless Grinder Machine:

50Hz Centreless Grinder Machine:

Air Cooling CNC Grinding Equipment

Grinding Wheel Motor Power: 2kw

Grinding Wheel Spindle Motor Bearing Type: Ceramic Bearing

Grinding Wheel Spindle Motor Frequency: 50Hz

Grinding Wheel Spindle Motor Power: 2.2kw

Grinding Wheel Spindle Motor Speed: 3000rpm

Grinding Wheel Spindle Motor Voltage: 380V

Grinding Wheel Width: 20mm



High Precision CNC Centerless Grinding Machine FX-24CNC (Full Cover)

1. Molding grinding tool:

Large diameter workpiece grinding is preferred

2. Particular point:

- Low center of gravity design, increase the grinding stability, can ensure the accuracy of machine tools for a long time.
- Super grinding force, more suitable for large diameter workpiece processing, greatly shorten the processing time.
- The grinding wheel dressing is controlled by the servo two-axis linkage system. The reciprocating motion of the dresser and the radial feed are fed by the ball screw servo motor, which has the function of correction and compensation.
- The automatic sand repair device can realize more complex step, arc and slope dressing. At the same time, according to the different grinding wheel material, it can flexibly switch the roller and diamond pen, so that the processing is more convenient.
- Full cover sheet metal, to ensure a clean production environment and constant temperature, more conducive to high precision machining.



FX-24CNC Hotman Practical CNC Centerless Grinder

0.1-3mm/min grinding system

Specifications

GrindingWheelHeadFeed: 0.1-3mm/min

GrindingWheelHeadSwivel: $\pm 30^\circ$

GrindingWheelMotor: 7.5kw

GrindingWheelSpeed: 3500rpm

RegulatingWheelHeadFeed: 0.1-3mm/min

RegulatingWheelHeadSwivel: $\pm 30^\circ$

RegulatingWheelMotor: 3.7kw

RegulatingWheelSpeed: 3500rpm

GrindingWheelHeadInclination: $\pm 5^\circ$

GrindingWheelHeadTravel: 200mm

GrindingWheelSize: 600mm

MachineSize: 2000x1400x1700mm

RegulatingWheelHeadInclination: $\pm 5^\circ$

RegulatingWheelHeadTravel: 150mm

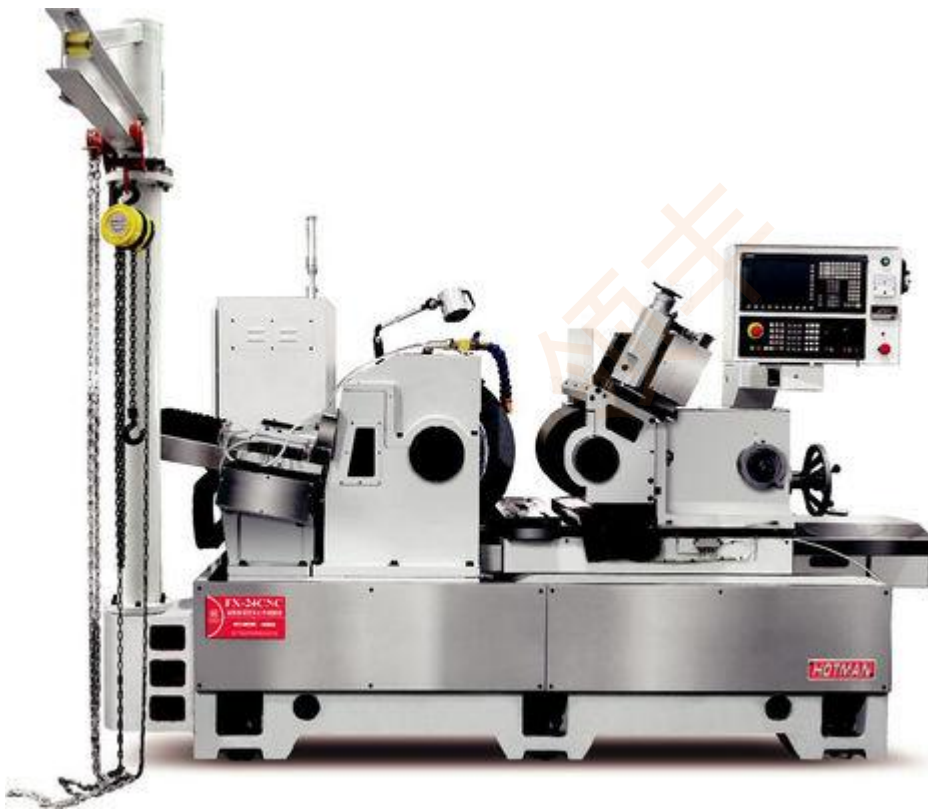
RegulatingWheelSize: 400mm

High Light

Practical Centerless Grinding Machine

Centerless Grinding Machine 0.1mm/min,

3mm/min CNC Centerless Grinding Machine



1. Molding grinding tool:

Large diameter workpiece grinding is preferred

2. Spindle system:

- The main shaft of grinding wheel adopts Perrin type spindle with double support before and after. High speed, stable operation, maintenance free.
- Wheel motor adopts 30KW high torque and high power motor.
- The spindle uses 610mm outer diameter grinding wheel to increase grinding effect. At the same time, the grinding wheel with a maximum width of 400mm can be installed to meet the requirements of different workpieces.
- The grinding wheel dressing system with two axes linkage is used for various types of workpieces.
- Low center of gravity design, increase the grinding stability, can ensure the accuracy of machine tools for a long time.
- Super grinding force, more suitable for large diameter workpiece processing, greatly shorten the processing time.
- It is very suitable to install automatic equipment such as manipulator lifting grinding and automatic feeding and receiving.

Standard table diameter	Ø1.0~60mm
Grinding wheel size (outer diameter * width * Inner diameter)	Ø610*305*304.8
Grinding wheel speed	1100rpm



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.



High Precision 3-axis CNC Centerless Grinding Machine, with multiple types of grinding

wheel

Specifications

Grinding Wheel Diameter: 200-500mm

Grinding Wheel Spindle Feeding Force: 2-20KN

Grinding Wheel Speed: 20-100m/s

Grinding Wheel Spindle Bearing: P4/P5

Grinding Wheel Spindle Cooling: Air/Oil

Grinding Wheel Spindle Feeding Repeatability: 0.002mm

Grinding Wheel Spindle Motor Power: 2-20KW

Grinding Wheel Width: 20-100mm

Gross Weight: 6500kg

Grinding Wheel Spindle Repeatability: 0.002mm

Grinding Wheel Spindle Taper: BT30/BT40/BT50

Grinding Wheel Motor Power: 2-20KW

Grinding Wheel Spindle Speed: 1000-3000rpm

Grinding Wheel Spindle Feeding Accuracy: 0.005mm

Grinding Wheel Spindle Feeding Speed: 0-3000mm/min

Grinding Wheel Spindle Positioning Accuracy: 0.005mm

Machine Package Size: 3100*2600*2000mm

High Light:

2KW Centerless Grinding Machine.

20KW Centerless Grinding Machine.

Durable Precision Centerless Grinding

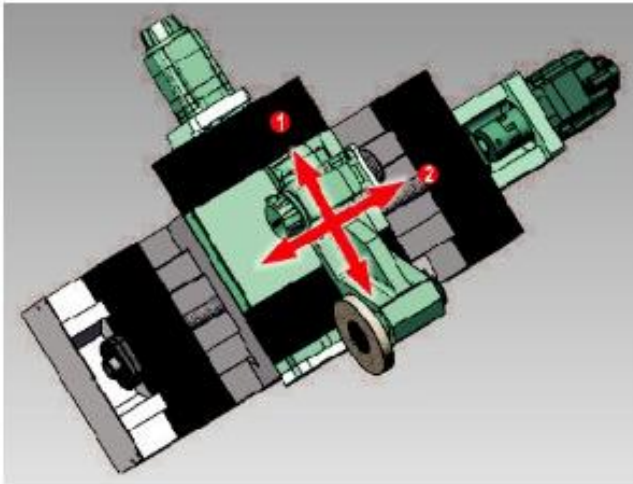


1. Super grinding force
 2. The sand wheel shaft is the hydrostatic main shaft
 3. Large diameter workpiece grinding is preferred
- Low center of gravity design, increase the grinding stability, can ensure the accuracy of machine tools for a long time.
 - Super grinding force, more suitable for large diameter workpiece processing,

greatly shorten the processing time.

●It is very suitable to install automatic equipment such as manipulator lifting grinding/automatic feeding and receiving.

Standard table diameter	Ø1.0~60mm
Grinding wheel size (outer diameter * width * Inner diameter)	Ø610*305*304.8
Grinding wheel speed	1100rpm



Grinding wheel dressing part:

- Sand repair system adopts two-axis linkage, with servo motor and ball screw drive, the grinding wheel forming precision is high, the dressing speed is fast.
- Roller dressing can be quickly interchangeable with single point sanding pen to realize different types of grinding wheel dressing
- Grinding tungsten steel long rod using roller dressing and mutual repair, sand repair efficiency is fast, the grinding wheel cutting surface is flat, can make the grinding wheel contact surface larger and more uniform.

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding

cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

Centerless Grinder [see machine details on P55](#)

Model	FX-12S/FX-12CNC	FX-18S/FX-18CNC	FX-18AS	FX-20S
Standard worktable diameter	Ø18-40mm Ø0.05-0.5mm(adjustable)	Ø1-60mm	Ø1-60mm	Ø1-80mm
Grinding wheel size (D x W x B)	Ø305 x 150 x Ø120mm	Ø455 x 205 x Ø228.6mm	Ø455 x 255 x Ø228.6mm	Ø510 x 205 x Ø254mm
Guide wheel size (D x W x B)	Ø205 x 150 x Ø93mm	Ø253 x 205 x Ø111.3mm	Ø253 x 255 x Ø111.3mm	Ø305 x 205 x Ø127mm
Grinding wheel speed	1950 R.P.M	1520 R.P.M	1520 R.P.M	1350 R.P.M
Guide wheel speed	0-320R.P.M	0-250 R.P.M	0-250 R.P.M	0-250 R.P.M
Grinding wheel drive motor	7.5HP	15HP	20HP	20HP
Steering wheel drive motor	2.0KW AC SERVO MOTOR	3.0KW AC SERVO MOTOR	3.0KW AC SERVO MOTOR	3.0KW AC SERVO MOTOR
Hydraulic pump drive motor	1HP	2HP	2HP	2HP
Cooling pump drive motor	1/4HP	1/4HP	1/4HP	1/4HP
Guide wheel feed handwheel	5.5mm/y 0.02mm/scale	8.5mm/y 0.05mm/scale	5.5mm/y 0.05mm/scale	55mm/y 0.05mm/scale
File adjustment hand wheel	0.1mm/y 0.001mm/scale	0.1mm/y 0.001mm/scale	0.1mm/y 0.001mm/scale	0.1mm/y 0.001mm/scale
Worktable feed handwheel	7mm/y 0.05mm/scale	9mm/y 0.10mm/scale	9mm/y 0.10mm/scale	9mm/y 0.10mm/scale
Worktable file adjust handwheel	0.2mm/y 0.001mm/scale	0.2mm/y 0.001mm/scale	0.2mm/y 0.001mm/scale	0.2mm/y 0.001mm/scale
Dressing feed hand wheel	1.5mm/y 0.01mm/scale	2mm/y 0.01mm/scale	2mm/y 0.01mm/scale	2mm/y 0.01mm/scale
Guide wheel tilt angle	+5°-3°	+8°-5°	+8°-5°	+8°-5°
Guide wheel rotation angle	+8°	+8°	+8°	+5°
Dimension (L x W x H)	1890 x 1400 x 1450mm	2350 x 1980 x 1550mm	2350 x 1980 x 1550mm	2550 x 2050 x 1650 mm
Package Dim (L x W x H)	2350 x 1650 x 1770mm	2890 x 2480 x 1850mm	2890 x 2480 x 1850mm	3050 x 2500 x 1250 mm
Gross Weight(kggs)	1700kg	2850kg	2950kg	3200kg

FX-20G Manual 0.2MPa CNC Centerless Grinder , Multipurpose CNC Grinding Machine

Specifications

GrindingWheelAxialFeed: Manual

GrindingWheelCoolantFilter: Yes

GrindingWheelCoolantPressure: 0.2MPa

GrindingWheelDresser: Manual

GrindingWheelGrit: 120#

GrindingWheelMotorPower: 4KW

GrindingWheelSpeed: 3000rpm

GrindingWheelWidth: 20mm

GrindingWheelCoolant: Water

GrindingWheelCoolantFlow: 2L/min

GrindingWheelDiameter: 200mm

GrindingWheelDrive: AC Motor

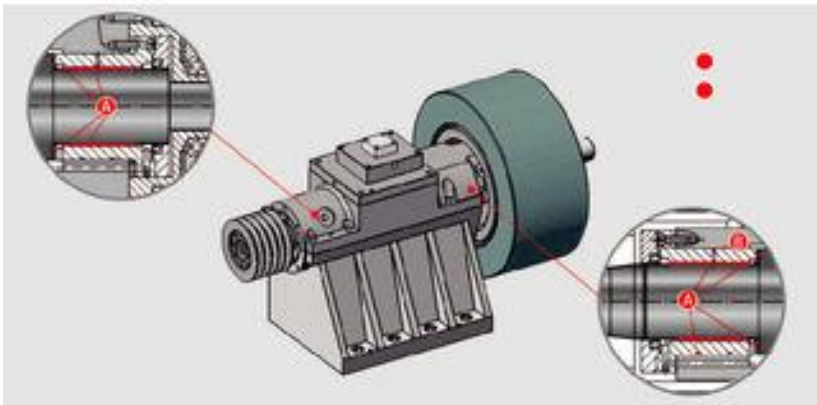
GrindingWheelMaterial: Aluminum Oxide

GrindingWheelRadialFeed: Manual

GrindingWheelType: CBN

High Light:

Manual CNC Centerless Grinder, 0.2MPa CNC Centerless Grinder, Multipurpose CNC Grinding Machine



1. Super grinding force:

The sand wheel shaft/adjusting wheel shaft is the hydrostatic spindle

2. High rotation precision, excellent shock absorption, can bear super heavy work piece,

super grinding force.

● Pure liquid friction, low friction resistance, low power consumption, high transmission efficiency.

● The wear caused by direct contact between metals will not occur during normal operation and frequent startup. The accuracy is good and the life is long.

● Because the lifting of axle diameter is realized by the pressure of external oil, it has high bearing capacity under various relative motion speeds, and the change of speed has little influence on the stiffness of oil film.

● The lubricating oil layer has good vibration resistance, and the shaft runs smoothly.

● The oil film has the function of compensating error, reducing the influence of the shaft and bearing manufacturing error, and the shaft rotation precision is high.

● Cone runout less than 0.002, spindle axial movement less than 0.002.

● The maximum spindle speed is 1500 RPM.



External Centerless Grinding Machine 380V 2.5A High Precision FX-12CNC-3

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Frequency: 50Hz

Grinding Wheel Motor Speed: 1400rpm

Grinding Wheel Speed: 3000rpm

Grinding Wheel Spindle Motor Frequency: 50Hz

Grinding Wheel Spindle Motor Voltage: 380V

Grinding Wheel Spindle Taper: Morse 3

High Light:

**External Centerless Grinding Machine,
Centerless Grinding Machine 380V,
2.5A External Centerless Grinding**

Grinding Wheel Motor Current: 3.5A

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Motor Voltage: 380V

Grinding Wheel Spindle Motor Current: 2.5A

Grinding Wheel Spindle Motor Power: 1.5KW

Grinding Wheel Spindle Speed: 3000rpm

Grinding Wheel Width: 20mm



Equipment model:

Mechanical specification	Mode:FX-12CNC-3
Machining range (diameter)	0.5mm-40mm
Grinding wheel size (OD * W * OD)	Φ305*150*Φ120mm
Adjusting wheel size (OD * W * OD)	Φ205*150*Φ90mm
Grinding wheel speed	1950RPM
Adjusting wheel speed	0-320RPM
The grinding wheel drives the motor	5.5KW
Adjusting wheel servo motor	2.0kw AC SERVO MOTOR
Servo feed motor	1.5KW
The hydraulic pump drives the motor	0.75KW
The cooling pump drives the motor	0.125KW
Adjusting wheel feed hand wheel	3.5mm/ turn 0.02mm/ scale
Adjusting wheel fine tuning hand wheel	0.1mm/ turn 0.001mm/ scale
Feed accuracy	0.001mm
Adjust wheel tilt Angle	+5° ~ -3°
Adjust the rotation Angle	±5°
Mechanical dimension	1800×1400×1450mm
Packing size	2350×1650×1770mm
Mechanical weight	2000kg
Packing weight	2300 kg

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding

cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7.Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.



Multiscene Centerless Grinding Machine Antiwear

FX-20CNC Air Cooling-FX-20CNC

Specifications

Grinding Wheel Balance: G2.5

Grinding Wheel Grit: 80-120

Grinding Wheel Hole Diameter: 20-50mm

Grinding Wheel Speed: 50-100m/s

Grinding Wheel Spindle Cooling: Air Cooling

Grinding Wheel Spindle Power: 2-4KW

Grinding Wheel Spindle Taper: BT30

High Light:

**Multiscene Centerless Grinding Machine,
Centerless Grinding Machine Antiwear,
Air Cooling Centerless Internal Grinding**

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Hardness: HV800-1000

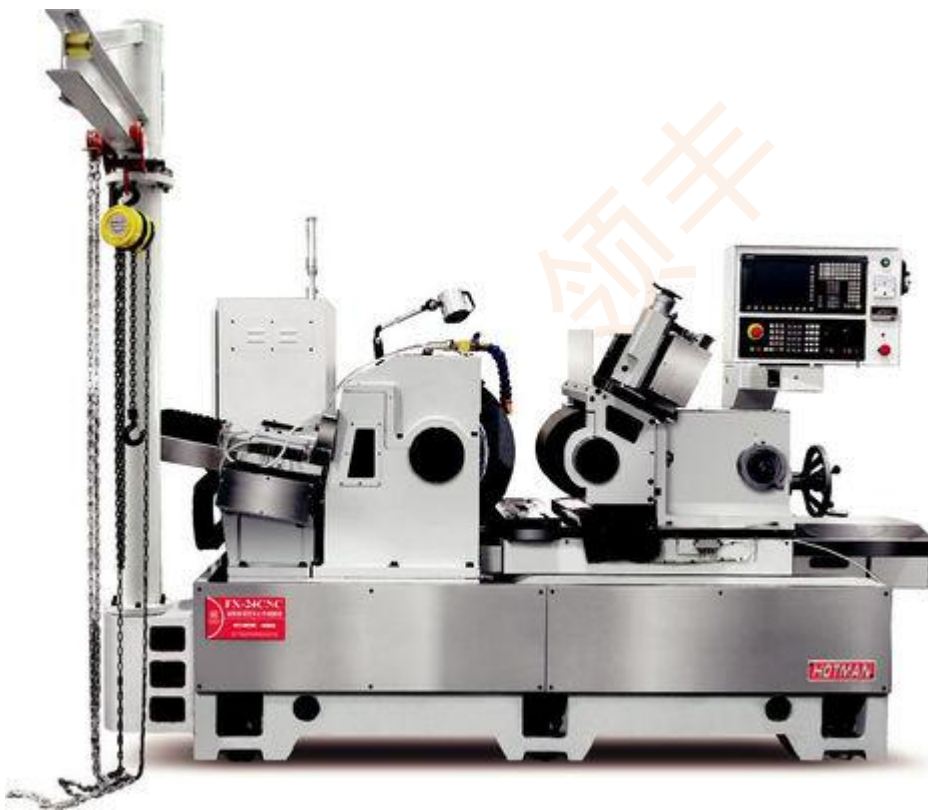
Grinding Wheel Material: Aluminum Oxide

Grinding Wheel Spindle Bearing: NSK

Grinding Wheel Spindle Lubrication: Oil Lubrication

Grinding Wheel Spindle Speed: 3000-6000rpm

Grinding Wheel Width: 20-50mm



Features:

Grinding Wheel Balance: The machine is equipped with a G2.5 grinding wheel balance system, ensuring stable and precise grinding operations.

Grinding Wheel Diameter: The machine supports grinding wheel diameters ranging from 200mm to 400mm, allowing for versatile grinding capabilities.

Grinding Wheel Material: The grinding wheel is made of high-quality aluminum oxide, providing durability and efficient grinding performance.

Grinding Wheel Speed: With a speed range of 50m/s to 100m/s, the machine offers flexible speed control for different grinding requirements.

Grinding Wheel Spindle: The machine features a high-precision NSK spindle bearing for smooth and reliable grinding operations.

Grinding Wheel Spindle Cooling: The spindle is equipped with an effective air cooling system, preventing overheating and ensuring optimal performance.

Grinding Wheel Spindle Lubrication: The spindle is lubricated with oil, enhancing its longevity and maintaining consistent performance.

Grinding Wheel Spindle Power: The machine is powered by a 2-4KW grinding wheel spindle, providing sufficient power for efficient grinding.



Project	Unit	Model:FX-20CNC-3
Processing range of standard models (diameter)	mm	Φ 1-80
Grinding wheel size (OD * W * OD)	mm	Φ510*(205-305)*Φ254
Adjusting wheel size (OD * W * OD)	mm	Φ305*(205-305)*Φ127
Grinding wheel speed	RPM	1470
Linear speed of grinding wheel	m/s	45
Adjusting wheel speed	RPM	0-250
The grinding wheel drives the motor	KW	18.5
Adjusting wheel servo motor	KW	3
Feed servo motor	KW	3.9
Sand repair servo motor	KW	1.0*2
The hydraulic pump drives the motor	KW	0.75
The cooling pump drives the motor	KW	0.75
Adjusting wheel feed hand wheel	mm	3.5/ RPM 0.05/ scale
Adjusting wheel fine tuning hand wheel	mm	0.1/ to 0.001/ scale
Worktable feed hand wheel	mm	The servo feed minimum set weight is 0.0005mm
Worktable micro adjustment hand wheel	mm	0.2/ turn 0.001/ scale
Trim feed hand wheel	mm	2mm/ turn 0.01mm/ scale
Adjust wheel tilt Angle	Deg	+5° ~ -3°
Adjust the rotation Angle	Deg	±5°
Machine size (length * width * height)	mm	2800×2100×2000
Mechanical weight	KG	4500

High Precision Centerless Grinding Machine FX-12S

2.2KW Wear Resistant Practical Grinder

Specifications

Grinding Wheel Head Swivel Angle: $\pm 10^\circ$

Grinding Wheel Size: 200mm

Grinding Wheel Spindle Motor Power: 2.2KW

Grinding Wheel Spindle Taper: Morse No.4

Regulating Wheel Motor Power: 1.5KW

Regulating Wheel Speed: 3000rpm

Regulating Wheel Spindle Speed: 3000rpm

High Light:

2.2KW Centerless Grinding Machine
Centerless Grinding Machine Wear Resistant
Practical Centerless Grinding System

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Speed: 3000rpm

Grinding Wheel Spindle Speed: 3000rpm

Regulating Wheel Head Swivel Angle: $\pm 10^\circ$

Regulating Wheel Size: 150mm

Regulating Wheel Spindle Motor Power: 1.5KW

Regulating Wheel Spindle Taper: Morse No.4



1. The best choice for small parts grinding
2. Best cost performance:
 - Small footprint, low operating cost
 - High rigid structure, can obtain high roundness and finish
 - Precise manual spatula ensures long-term precision and stability of processing

3.

Standard table diameter	Ø0.5~40mm
Grinding wheel size (outer diameter * width * Inner diameter)	Ø305*150*120mm
Grinding wheel speed	1950rpm
Small feed quantity	0.001mm
Special custom machine machining diameter	Ø0.05~0.5mm

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at

the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7.Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Centerless Grinding Machine Air Cooling 3000RPM 20m/Min

Specifications

Grinding Wheel Balance: Dynamic Balance

Grinding Wheel Concentration: 80%

Grinding Wheel Diameter: 200mm

Grinding Wheel Feeding Length: 0-50mm

Grinding Wheel Grit: 80#

Grinding Wheel Material: Aluminum Oxide

Grinding Wheel Structure: Vitrified Bond

High Light:

Centerless Grinding Machine Air Cooling

Centerless Grinding Machine 3000RPM,

20m/min Internal Centreless Grinding

Grinding Wheel Bore: 50mm

Grinding Wheel Cooling Method: Air Cooling

Grinding Wheel Feeding Force: 0-20N

Grinding Wheel Feeding Speed: 0-20m/min

Grinding Wheel Hardness: HV1000

Grinding Wheel Speed: 3000rpm

Grinding Wheel Width: 20mm



Technical specification:

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

1. Machine base and main structure parts:

Machine base and the main structure parts are made up of meehanite (inoculated) cast iron FC-30. After normalizing heat treatment, the cast iron base and parts will stay for natural aging treatment. The cast iron base and main parts are machined in the world top class machines, such as YASDA, MITSUI SEIKI, TOSHIBA, ELB, etc in one-time clamping. That make sure the high precision of the grinders in micron level.

2. Spindle:

Use the spindle of brand KENTURN from Taiwan. The spindle is made up of SNCM-21H alloy steel, whose hardness reaches up to HRC-62 ° with a harden layer of over 1.5mm, after a quenching-tempering, carburizing heat treatments, and computer-control deep hardening. The spindle is of hydrodynamic oil bearing, with a run out less than 0.001mm.

3. Regulating wheel transfer system:

The regulating wheel spindle uses a servo driving motor of brand delta, with a variable rotary speed within 0-250 rpm (digit control). When the wheel diameter changes during grinding, the wheel linear speed can still keep the constant and the optimum, to make sure the best grinding quality.

The servo motor is smartly assembled in the regulating wheel holder, and drives the spindle directly through synchronous belts, with the same tilting angle as the wheel, to keep parallel all along for the two belts, which can

avoid inertia loss, and some other inconvenience brought by the old-type chain transfer system. Neither don't have to change the chain and spring often.

4.Spindle oil cooling system:

The auto centralized lubrication system (high grade spindle 10#) uses the same oil pump together with the hydraulic system. It is much convenient to change oil into the external oil tank. There are two filtering and pressure regulating units to make sure the long service life of spindle. The double way cooling system can keep the constant temperature for the spindle oil.

5. Double-V guide:

The stable double-V structure can make sure precise feeding, through hand shoveling and continuous lubrication.

6.Electric system:

The electric components and system use Schneider brand generally, for good operations and long service life. The electric cabinet has a big height and volume for convenient operation and excellent heat radiation performance.



FX-20CNC Stable Centerless Grinding Equipment ,

Multipurpose CNC Cutter Grinder

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 4500rpm

Grinding Wheel Spindle Max. Load: 50Kg

Grinding Wheel Spindle Max. Thrust: 50N

Grinding Wheel Spindle Motor Power: 1.5KW

Grinding Wheel Spindle Speed: 1400rpm

Grinding Wheel Spindle Travel: 50mm

High Light:

Stable Centerless Grinding Equipment.
Centerless Grinding Equipment CNC.
Multipurpose CNC Cutter Grinder

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Spindle Feed Rate: 0.1-3mm/min

Grinding Wheel Spindle Max. Speed: 6000rpm

Grinding Wheel Spindle Max. Torque: 30Nm

Grinding Wheel Spindle Rapid Feed Rate: 10mm/min

Grinding Wheel Spindle Taper: Morse 5

Grinding Wheel Width: 20mm



1. Technical parameter:

Project	Unit	Model:FX-20CNC-3
Processing range of standard models (diameter)	mm	Φ 1-80
Grinding wheel size (OD * W * OD)	mm	Φ510*(205-305)*Φ254
Adjusting wheel size (OD * W * OD)	mm	Φ305*(205-305)*Φ127
Grinding wheel speed	RPM	1470
Linear speed of grinding wheel	m/s	45
Adjusting wheel speed	RPM	0-250
The grinding wheel drives the motor	KW	18.5
Adjusting wheel servo motor	KW	3
Feed servo motor	KW	3.9
Sand repair servo motor	KW	1.0*2
The hydraulic pump drives the motor	KW	0.75
The cooling pump drives the motor	KW	0.75
Adjusting wheel feed hand wheel	mm	3.5/ RPM 0.05/ scale
Adjusting wheel fine tuning hand wheel	mm	0.1/ to 0.001/ scale
Worktable feed hand wheel	mm	The servo feed minimum set quantity is 0.0005mm
Worktable micro adjustment hand wheel	mm	0.2/ RPM 0.001/scale
Trim feed hand wheel	mm	2mm/RPM 0.01mm/scale
Adjust wheel tilt Angle	Deg	+5° ~ -3°
Adjust the rotation Angle	Deg	±5°
Machine size (length * width * height)	mm	2800×2100×2000
Mechanical weight	KG	about 4500

领丰

Split Type Automatic Lubrication System High Precision CNC Centerless Grinding Machine FX-18S

Specifications

Grinding Wheel: Diamond/CBN

Grinding Wheel Hole Diameter: 100-200mm

Grinding Wheel Speed: 50-1000rpm

Grinding Wheel Spindle Bearing: Ceramic/Steel

Grinding Wheel Spindle Life: 10000-50000h

Grinding Wheel Spindle Maintenance: Regular/Periodic

Grinding Wheel Spindle Speed: 1000-3000rpm

Grinding Wheel Width: 50-150mm

Grinding Wheel Diameter: 200-500mm

Grinding Wheel Motor Power: 2-15KW

Grinding Wheel Spindle Accuracy: 0.001mm

Grinding Wheel Spindle Cooling Method: Air/Oil

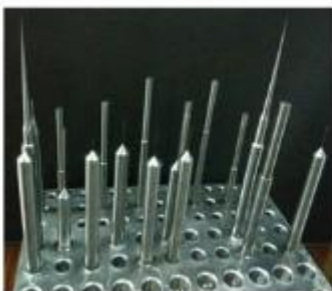
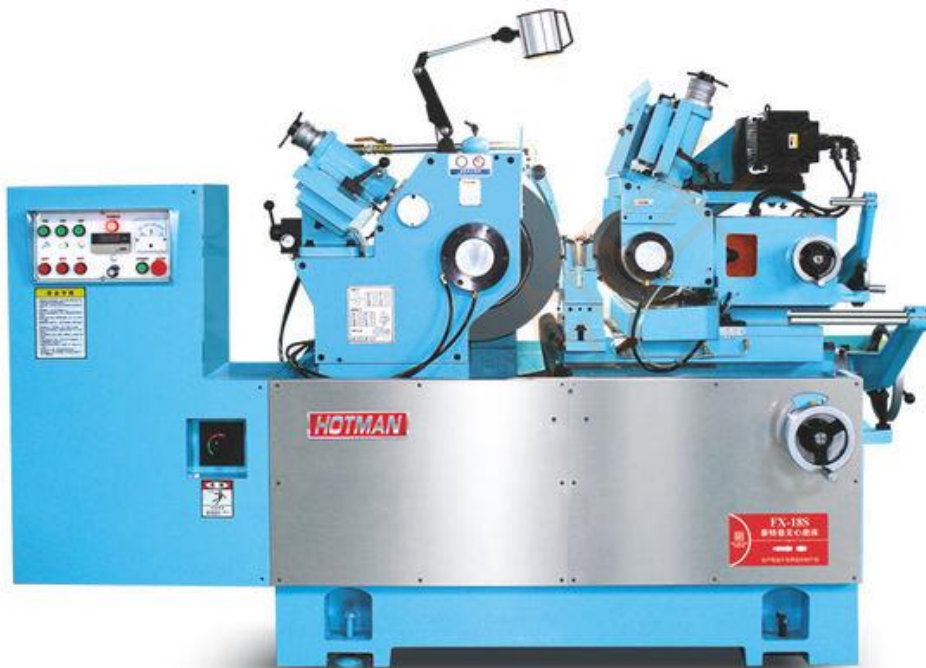
Grinding Wheel Spindle Lubrication Method: Manual/Automatic

Grinding Wheel Spindle Motor Power: 2-15KW

Grinding Wheel Spindle Structure: Integral/Split

High Light:

Split Type Centerless Grinding Machine
Centerless Grinding Machine Automatic
Practical Small Centerless Grinder



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
 2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
 3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
 4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
 5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
 6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
 7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.
1. The body and nine components are cast with Meehanna high-grade cast iron FC-30.
 2. Using Taiwan original spindle, SNCM-21H alloy steel, after tempering, carburizing heat treatment and then computer controlled cryogenic treatment, the surface hardness

of HRC-62° or more, the effective hardened layer of 1.5mm or more, the spindle adopts dynamic pressure oil film spindle.

3. The driving Motor of the adjusting wheel spindle is YAS KAWA Servo Motor, and the FX-18S speed control is 0-250rpm(digital control) the speed can be set arbitrarily.

4. Spindle automatic lubricating circulating oil (advanced spindle oil 10#) and oil pressure dressing device is the same oil pump, external oil tank, easy to clean and change oil, spindle circulating oil is filtered by two oil filter devices and equipped with pressure controller to ensure spindle life.

5. The circuit of the whole equipment adopts Japan Fuji circuit system, beautiful and durable, good operability. The height of the electric box is increased, which is convenient for operation and more conducive to the heat dissipation of the circuit system.

Project	Unit	Model:FX-18S
Processing range of standard models (diameter)	mm	Φ 1-60(custom100)
Grinding wheel size (OD * W * OD)	mm	Φ455*205*Φ228.6
Adjusting wheel size (OD * W * OD)	mm	Φ255*205*Φ111.2
Grinding wheel speed	RPM	1500
Adjusting wheel speed	RPM	0-250
The grinding wheel drives the motor	KW	11.5
Adjusting wheel servo motor	KW	3.0
The hydraulic pump drives the motor	KW	0.75
The cooling pump drives the motor	KW	0.25
Adjusting wheel feed hand wheel	mm	3.5/ RPM 0.05/ scale
Adjusting wheel fine tuning hand wheel	mm	0.1/ to 0.001/ scale
Bench feed hand wheel	mm	9.0/ RPM 0.10/ scale
Table micro adjustment hand wheel	mm	0.2/ turn 0.001/ scale
Trim feed hand wheel	mm	2.0/ turn 0.01/ scale
Adjust wheel tilt Angle	degree	+6° ~ -5°
Adjust the rotation Angle	degree	±6°
Mechanical dimension	mm	2350×1960×1550
Packing size	mm	2900×2400×1850
Mechanical weight	KG	2850
Packing weight	KG	3000

4500rpm Grinding Wheel CNC Centerless Grinder For Multipurpose

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 4500rpm

Grinding Wheel Spindle Max. Load: 50Kg

Grinding Wheel Spindle Max. Thrust: 50N

Grinding Wheel Spindle Motor Power: 1.5KW

Grinding Wheel Spindle Speed: 1400rpm

Grinding Wheel Width: 20mm

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Spindle Feed Rate: 0.1-3mm/min

Grinding Wheel Spindle Max. Speed: 6000rpm

Grinding Wheel Spindle Max. Torque: 30Nm

Grinding Wheel Spindle Rapid Feed Rate: 10mm/min

Grinding Wheel Spindle Travel: 50mm

High Light:

**Multipurpose CNC Centerless Grinder, CNC Centerless Grinder,
Multipurpose Centerless Grinder**



Centerless Grinding Machine FX-20CNC

Adjusting wheel spindle drive adopts servo motor, speed control 0-250rpm(digital control) can be arbitrarily set speed, adjust to the best linear speed, when adjusting wheel diameter changes still can maintain the same linear speed, grinding

out the best product.

The servo motor is cleverly designed and installed on the adjusting wheel box and directly driven by the synchronous belt.

It can hit the tilt Angle with the adjusting wheel at the same time during grinding to ensure that the two belt wheels are

always parallel. It overcomes many adverse effects caused by inertia loss and chain Angle caused by chain multi-segment

transmission of old centerless grinder. And eliminates the need to constantly change chains and zipper springs.

The circuit of the whole equipment adopts Beijing Schneider circuit system, beautiful and durable, good operation. Increase

the height of the electric box, and equipped with air conditioning cooling device, convenient operation at the same time, more conducive to the circuit system heat dissipation.

Hotman secondary development of numerical control system, Chinese man-machine dialogue interface, easy to learn;

With corresponding brand servo motor, one axis automatic feed, two axis CNC molding sand repair, good compatibility,

accurate feed.

Project	Unit	Model:FX-20CNC-3
Processing range of standard models (diameter)	mm	Φ 1-80
Grinding wheel size (OD * W * OD)	mm	Φ510*(205-305)*Φ254
Adjusting wheel size (OD * W * OD)	mm	Φ305*(205-305)*Φ127
Grinding wheel speed	RPM	1470
Linear speed of grinding wheel	m/s	45
Adjusting wheel speed	RPM	0-250
The grinding wheel drives the motor	KW	18.5
Adjusting wheel servo motor	KW	3
Feed servo motor	KW	3.9
Sand repair servo motor	KW	1.0*2
The hydraulic pump drives the motor	KW	0.75
The cooling pump drives the motor	KW	0.75
Adjusting wheel feed hand wheel	mm	3.5/ RPM 0.05/ scale
Adjusting wheel fine tuning hand wheel	mm	0.1/ to 0.001/ scale
Worktable feed hand wheel	mm	The servo feed minimum set quantity is 0.0005mm
Worktable micro adjustment hand wheel	mm	0.2/ RPM 0.001/scale
Trim feed hand wheel	mm	2mm/RPM 0.01mm/scale
Adjust wheel tilt Angle	Deg	+5° ~ -3°
Adjust the rotation Angle	Deg	±5°
Machine size (length * width * height)	mm	2800×2100×2000
Mechanical weight	KG	about 4500

ID OD Grinder Universal Multifunctional Compound Grinding Machine

Specifications

Grinding Head Swivel Angle: 360°

Grinding Wheel Size: 200mm

Motor Power: 2.2KW

Product Name:

Universal Internal And External Cylindrical Grinding Machine

Table Travel: 400mm X 200mm

Vertical Travel: 300mm

Weight: 1000kg

Grinding Method: Surface Grinding

Grinding Wheel Speed: 3000rpm

Overall Dimensions: 1200mm X 1000mm X 1800mm

Table Feed: 0.1-3.0mm/min

Table Size: 400mm X 200mm

Vertical Feed: 0.1-3.0mm/min

Working Voltage: 380V

High Light:

Universal Multifunctional Compound Grinding Machine.

ID OD Grinder Compound Grinding Machine.

Multifunctional Compound Grinding Machine



Device description:

The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

Equipped with CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw,

which can achieve smooth movement, excellent positioning accuracy and long track life.

The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

Numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

领丰

Project		Unit	Model:CG-45
Processing capacity	Maximum outer grinding diameter	mm	400
	Maximum length of outer grinding	mm	200
	Maximum outer grinding diameter	mm	200
	Maximum length of inner grinding	mm	260
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Practical CNC Universal Grinding Machine Wear Resistant Stable CG45

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Motor Speed: 1400rpm

Grinding Wheel Width: 20mm

Max. Grinding Length: 500mm

Overall Dimension: 1000mm*1000mm*1700mm

Table Motor Power: 0.75KW

Table Size: 500mm*200mm

Table Tilting Angle: $\pm 45^\circ$

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Speed: 3000rpm

Max. Grinding Height: 250mm

Max. Grinding Width: 200mm

Product Name: Universal Grinding Machine

Table Motor Speed: 1400rpm





Table Speed: 0-3m/min

High Light:




**Practical Universal Grinding Machine.
Universal Grinding Machine Wear Resistant.
Stable CNC Universal Grinding Machine**



1. Modular assembly :Create a new revolution of compound grinding
2. Grinding wheel head combination method:

	
<p>Oblique cylindrical grinding wheel +inner hole grinding wheel</p>	<p>Double cylindrical grinding wheel</p>
	
<p>Double bore grinding wheel</p>	<p>Straight into outer grinding wheel + inner hole grinding wheel</p>

3. Special accessories:

		
<p>On-line measuring device</p>	<p>Inner circle double principal axis</p>	

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.



Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

CG15 Hotman Universal Grinder Machine 2.2kw , Manual CNC Tool Cutter Grinding Machine

Specifications

Grinding Wheel Diameter: 200mm

Grinding Wheel Bore: 20mm

Weight: 1200kg

Grinding Wheel Width: 20mm

High Light:

Semi Auto Universal Grinder Machine,

Universal Grinder Machine 2.2kw,

Manual CNC Tool Cutter Grinding Machine

Working Mode: Manual/Semi-auto/Auto

Max. Grinding Length: 400mm

Max. Grinding Width: 180mm

Max. Distance From Table Surface To Spindle Center: 400mm



The Universal Grinding Machine is a universally grinding mechanism and apparatus used for grinding various parts with different shapes. Its maximum grinding length is 400mm, and its grinding wheel speed is 2800r/min. The table size is 400x180mm and the maximum grinding height is 180mm. It is available in manual, semi-auto and auto working modes. This machine is capable of grinding parts with precision and accuracy, while providing an excellent surface finish. It is also easy to use and maintain, making it the perfect choice for any workshop or factory. The Universal Grinding Machine is the ideal tool for grinding various parts in different shapes, allowing for maximum efficiency and precision. It is a reliable, durable and cost-effective tool and is suitable for both commercial and

industrial applications. With its wide range of features and easy operation, the Universal Grinding Machine is the perfect tool for any grinding job.

Features:

1. Product Name: Universal Grinding Machine
2. Working Mode: Manual/Semi-auto/Auto
3. Max. Grinding Width: 180mm
4. Table Size: 400x180mm
5. Coolant Pump Motor: 0.04kw
6. Grinding Wheel Speed: 2800r/min
7. Uses: For Universally Grinding Tooling and Equipment

Parameter	Value
Table Size	400 x 180mm
Max. Grinding Width	180mm
Grinding Wheel Diameter	200mm
Working Mode	Manual/Semi-auto/Auto
Weight	1200kg
Grinding Wheel Bore	20mm
Coolant Pump Motor	0.04kw
Max. Distance from Table Surface to Spindle Center	400mm
Max. Grinding Length	400mm
Grinding Wheel Motor	2.2kw

Multifunctional Durable CNC Vertical Universal Automatic Grinding Machine CG15

Specifications

Weight: 1200kg

Table Travel: 400x180mm

Max. Distance From Table Surface To Spindle Center: 400mm

Grinding Wheel Bore: 20mm

High Light

Vertical Universal Grinding Machine,

Universal Grinding Machine Multifunctional,

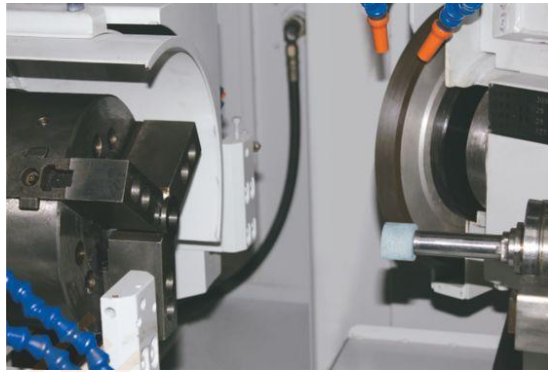
Durable CNC Vertical Grinding Machine

Table Feeding Motor: 0.75kw

Coolant Pump Motor: 0.04kw

Max. Grinding Height: 180mm

Max. Grinding Length: 400mm



Product Description:

The Universal Grinding Machine is a universally grinding unit that offers a range of grinding applications at a competitive cost. It features a grinding wheel bore of 20mm, a maximum grinding width of 180mm, a table feeding motor of 0.75kw, a table travel of 400x180mm, and a table size of 400x180mm. It is the perfect choice for a variety of grinding operations with its high-quality, robust, and reliable construction. With its easy installation and operation, it is the perfect grinding apparatus for a variety of grinding needs. Its universally grinding mechanism enables it to meet the requirements of different industries and applications with its precision, accuracy, and efficiency. It is highly recommended for its versatility, reliability, and cost-effectiveness.

Features:

- ① Product Name: Universal Grinding Machine
- ② Table Size: 400x180mm

- ③ Grinding Wheel Width: 20mm
- ④ Table Travel: 400x180mm
- ⑤ Max. Distance from Table Surface to Spindle Center: 400mm
- ⑥ Table Feeding Motor: 0.75kw
- ⑦ Universally Grinding Tooling: Yes
- ⑧ Universally Grinding Apparatus: Yes
- ⑨ Universally Grinding Apparatus: Yes

Property	Value
Universally Grinding Device	Universal Grinding Machine
Grinding Wheel Speed	2800r/min
Table Feeding Motor	0.75kw
Coolant Pump Motor	0.04kw
Grinding Wheel Bore	20mm
Grinding Wheel Width	20mm
Max. Distance from Table Surface to Spindle Center	400mm
Grinding Wheel Diameter	200mm
Table Travel	400x180mm
Max. Grinding Height	180mm
Max. Grinding Width	180mm

领丰

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

PLC 220V CNC Grinding Equipment , CG45 Durable CNC Tool And Cutter Grinder

Specifications

Grinding Wheel Material: CBN

Grinding Wheel Motor Certification: CE

Grinding Wheel Motor Cooling: Air Cooling

Grinding Wheel Motor Frequency: 50Hz

Grinding Wheel Motor Protection: IP54

Grinding Wheel Motor Voltage: 220V

Grinding Wheel Size: 200mm

High Light

**PLC CNC Grinding Equipment 220V CNC Grinding Equipment
Durable CNC Tool And Cutter Grinder**

Grinding Wheel Motor Brand: ABB

Grinding Wheel Motor Control: PLC

Grinding Wheel Motor Current: 15A

Grinding Wheel Motor Power: 3kw

Grinding Wheel Motor Speed: 3000rpm

Grinding Wheel Motor Warranty: 1 Year

Grinding Wheel Type: Cup Wheel



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

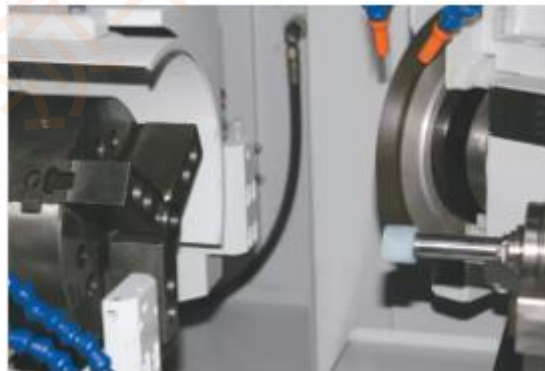
No.	Item	Origin	Brand/Model	Quantity
1	CNC system	Germany	Siemens 828D	1 set
2	Servo motor	Germany	Siemens	3 set
3	Head stock angle adjustment device (manually)	China	Hotman	1 set
4	Ball screw	Japan	THK	3 pieces
5	Linear guide	Japan/Germany	THK/INA	3 sets
6	Head stock spindle	China	XingChen	1 piece
7	Outer wheel electrical/mechanical spindle	China	XingChen	1 piece
8	Inner wheel spindle	China	DAKE/XingChen	1 piece
9	Auto centralized lubrication unit	China	BAOTN	2 sets
10	Coupling	China	HongJun	2 sets
11	Water pump driving motor	China	BAOTN	1 set
12	Switch/Contractor/Relay	France	Schneider	1 set
13	Belt	USA/Japan	GATES/MITSUBOSHI	1 set
14	Oil components	China	Moldhar	1 set
15	Lubricating device	China	BAOTN	1 set
16	Wheel dress	Hotman	Custom	1 set
17	Inner wheel connecting rod	Hotman	Custom	Attached
18	Toolbox and tools (1.Percentile scale, 2.Oil pot, 3.Straight screwdriver, 4.Cross screwdriver, 5.Ring wrenches (6 pcs), 6.Hex wrenches (10 pcs))	Hotman		1 set
19	Standard liquid reservoir (cooling device)	Hotman	Custom	1 set
20	Water-proof sheet metal guard	Hotman	Custom	1 set
21	Leveling Screw feet	Hotman	Custom	1 set
22	Dresser (one-point type)	China	Shenming	2 pieces
23	Air conditioner for electric cabinet	China	Rucol	1 set
24	User manual, Attachment list, Inspection report	Hotman	Custom	1 set

Hotman CG15 Corrosion Resistance High Precision CNC Universal Grinding Machine

Specifications

Grinding Wheel Motor: 7.5kw
Grinding Wheel Speed: 2800rpm
Max. Grinding Length: 1000mm
Max. Table Load: 500kg
Power Supply: 380V/50Hz
Table Motor: 2kw
Table Speed: 2-25m/min
Wheel Head Feed: 0.1-3mm/min

Grinding Wheel Size: 400mm
Max. Grinding Height: 500mm
Max. Grinding Width: 400mm
Overall Dimension: 2700mm X 2000mm X 2000mm
Table Feed: 0.1-3mm/min
Table Size: 400mm X 1000mm
Weight: 3000kg
High Light:
380V Universal Grinding Machine.
50Hz Universal Grinding Machine.
Corrosion Resistance Universal Grinder Machine



CG15 China's first small compound grinding machine

1.China's first small compound grinding machine

2.Small component processing tool:

A variety of clamping methods are available:

- Three jaw clamping
- Collet type clamping

Application industry:

- Collet industry
- Gear industry
- Guide sleeve, steam/locomotive parts
- Hydraulic/pneumatic drive shaft sleeve
- Die parts
- Medical instrument

3.CG15:

Clamping workpiece diameter	Ø3~200mm
Can hold the longest workpiece	100mm
Processing range	Ø6~80mm(inner hole)

Inner bore grinding wheel spindle, 10,000/50,000rpm optional

OD15:

Clamping workpiece diameter	Ø200mm
Can hold the longest workpiece	150mm
Processing range	Ø6~100mm(Outside diameter)

Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC

system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

0.75KW Stable High Precision Universal Grinding Machine 1420r/min CG15

Specifications

Grinding Wheel Back Angle: 0-18°

Grinding Wheel Back Feed Motor Speed: 1420r/min

Grinding Wheel Diameter: 200mm

Grinding Wheel Feed Motor Speed: 1420r/min

Grinding Wheel Motor Power: 2.2KW

Grinding Wheel Speed: 2800r/min

Worktable Feed Motor Power: 0.75KW

Worktable Speed: 0.1-3mm/min

Grinding Wheel Back Feed Motor Power: 0.75KW

Grinding Wheel Back Feed Speed: 0.1-3mm/min

Grinding Wheel Feed Motor Power: 0.75KW

Grinding Wheel Feed Speed: 0.1-3mm/min

Grinding Wheel Motor Speed: 1420r/min

Product Name: Universal Grinding Machine

Worktable Size: 200*400mm

High Light:

**0.75KW Universal Grinding Machine:
Universal Grinding Machine 1420r/min,
Stable Precision CNC Grinding**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron

level, to ensure high precision equipment basic components.

2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:CG15
Processing capacity	Grinding maximum outside diameter	mm	Φ200
	Grinding inside diameter range	mm	Φ6—Φ80
	Maximum work piece length	mm	150
	Dimensions of outer round grinding wheel	mm	Φ405*Φ127*40
	Spindle speed of inner bore grinding wheel	rpm	10,000-50,000
	Grinding wheel dressing	mm	Automatic type
	Numerical control system	Set	Siemens 828D
	Grinding wheel spindle center to ground height	mm	1035
X,Y,Z	Spindle servomotor	KW	1.5
	Spindle servomotor speed	rpm	2000
	Working head rotation Angle (manual)	degree	±15°
	X, Y, Z feed servo	KW	1.5*3
	X, Y, Z feed servo speed	rpm	3000
	Minimum feed unit	mm	0.001
	X-axis working head feed stroke	mm	450
	Y and Z axis feed stroke	mm	250
Other	Cooling pump motor	KW	0.37
	Lubricating oil motor	KW	0.25*2
	Machine size (length * width * height)	mm	2355×2100×1800
	Machine weight	kg	4000

High Precision Vertical Grinding Machine, CNC Vertical Grinder For Multiple Mould Grinding Purpose

Specifications

Name: High Precision Vertical Grinding Machine

Grinding Wheel Motor: 3KW

Material: Steel

Speed: 1400r/min

Table Feeding Speed: 0-3000mm/min

Cooling System: Water Cooling

Machine Size: 3070*3045*4500mm

High Light:

Multiple Mould Grinding Vertical Grinding Machine.

High Precision Vertical Grinding Machine.

CNC Vertical Grinding Machine

Grinding Wheel: $\phi 200 \times \phi 20 \times 80$ mm

Grinding Wheel Speed: 3000r/min

Power: 7.5KW

Table Feeding Motor: 1.5KW

Table Size: 800*400mm

Voltage: 380V

Gross Weight: 23000KG



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Device description:

- 1. This grinder was developed with the goal of easily aligning the workpiece

when grinding the inner diameter and end face of a large workpiece and improving grinding accuracy. It has greatly shortened debugging time and achieved high-precision grinding such as roundness. Moreover, controlled by NC, the inner diameter, outer diameter, and end face processing can be completed in one clamping, realizing the intensification of the process.

2. The machine tool control adopts Taiwan's new generation control system, which automatically controls the vertical and horizontal feed of the grinding head respectively. After secondary development, the fool-like human-machine dialogue operation interface is simple and easy to use. The transmission is equipped with Taiwan PM I's C3 grade ball screw, with repeatable positioning control within 0.002mm, good compatibility, and accurate tool feed; the workbench is hydraulically driven and equipped with a hand-held electric handwheel for fine-tuning the tool setting.

3. Cooling and filtration system: During grinding and grinding wheel dressing, the workpiece is cooled and the grinding wheel is washed. The filtration adopts a magnetic separator + paper filtration method. The filtration accuracy reaches 0.005mm. The coolant flow rate is 130L/min, ensuring The coolant is clean and can be recycled. The equipped cooling machine can ensure the constant temperature of the coolant.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. The grinding wheel table is equipped with a grinding wheel spindle dual-position positioning function of 0 degrees and 22 degrees as standard. One grinding wheel spindle can use a flat grinding wheel and a bevel grinding wheel respectively. By using the bevel grinding wheel, high-efficiency end face processing can be achieved.

1, Once clamping can complete the grinding of the inner hole, outer circle, cone and end face of the parts

2, Suitable for processing disk/short shaft/sleeve/ring and other parts

B axis double gear positioning turret:

Inside/outside diameter grinding with 0 ° positioning, 22.5 ° positioning can be used to grind outside diameter and end surface efficiently.

Grating scale feedback:

The X axis and Z axis are equipped with feedback control using grating ruler (Z axis is an option) to achieve high precision machining.

ATC grinding wheel library:

Six grinding wheels of different specifications and shapes are equipped according to the machining needs. In the continuous machining of complex shapes, it is unnecessary to replace the grinding wheel frequently, which can realize online automatic dressing and size compensation.

Temperature management system:

In continuous batch processing, you can control the temperature of the workpiece and machine tool body, to achieve higher precision processing.

Widely used:

Working machinery parts such as spindle sleeve, engineering machinery parts such as bevel gear, reducer parts such as planet gear (for wind power generation), Marine parts engine CAM



Machining accuracy:

Roundness	1.5 μ m
Coaxiality	2.5 μ m
Surface roughness	0.1 μ m

Processing capacity:

Grinding maximum outside diameter	860mm
Inner circle grinding diameter range	Ø50~700mm
Maximum grinding height	600mm
Maximum load of table	800kg

Z850 see machine details on P25

Precision	
Roundness	1.5 μ m
Concentricity	2.5 μ m
Surface roughness	0.1 μ m
Processing capacity	
Grinding max. outer diameter	860mm
Internal grinding dia. range	50~700mm
Grinding max. height	600mm
Max. load of worktable	800kg
Grinding wheel spindle	
Grinding wheel speed	2000~9000rpm
Grinding wheel diameter	40-305mm
Spindle taper hole	HSK-A100
Worktable	
Worktable diameter	600mm
Worktable speed	5~200rpm
Standard gauge	
Standard gauge inner diameter travel	159.999mm(227
X axis	
	300+1400mm
Z axis	600mm
W axis	650mm
Rapid traverse speed	24m//min
resolution	0.0001mm
B axis	0/22.5 k a o
ATC tool stock	
Storage quantity	6pcs
Grinding wheel max. diameter	305mm
Grinding wheel Max. length	350mm
Grinding wheel dresser	
Diamond pen	3只
Roller	2800rpm
Roller diameter	120mm
Other	
Total power	65kw
Gross Weight	23T

Z860 Hotman 7.5KW CNC Vertical Grinder

Antiwear , Industrial High Precision CNC Grinding Machine

Specifications

Coolant Tank Capacity: 100L

Grinding Wheel Motor Power: 7.5kw

Gross Weight: 3500kg

Max Load Weight: 500kg

Overall Dimension: 2180x1850x2400mm

Table Size: 400x1000mm

Table Swivel Angle: -5°~+20°

Workpiece Spindle Speed: 50-400r/min

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Speed: 1400r/min

Max Grinding Height: 500mm

Net Weight: 3000kg

Product Name: Vertical Grinding Machine

Table Speed: 0-3m/min

Workpiece Spindle Motor Power: 2.2kw

High Light:

7.5KW CNC Vertical Grinder. CNC Vertical Grinder Antiwear. Industrial CNC Grinding Equipment



Vertical Grinding Machine Z860 Quality assurance :

1. After the final acceptance of the machine, the quality guarantee period is 12 months for the whole machine, and the warranty period of the purchased parts of the machine shall be subject to the warranty period of the manufacturer of the purchased parts, which shall not be less than 12 months.

2. Upon receipt of Party A's service requirements, Party B shall send its employees to the customer's site within 24 hours to find out the reason, and within 48 hours to find out the reason and implement the countermeasures.

3. Party B shall provide free technical service and maintenance for all faults (except human factors and unshouldability) within the warranty period. If the maintenance is not good, Party B shall immediately replace the corresponding parts.

Machine parameter:

NO	Entry	Parameter	Marked
Machining accuracy			
1	Roundness	0.0015mm	
2	Concentricity	0.0025mm	
3	Surface roughness	0.2um	
Processing capacity			
1	Grinding maximum outside diameter	860mm	
2	Internal grinding diameter range	50-500mm	
3	Maximum grinding height	600mm	
4	Maximum load of table	800kg	
Grinding wheel spindle			
1	grinding wheel speed	2000-8000rpm	
2	grinding wheel diameter	40-305mm	
3	Spindle taper hole	HSK-A100	
Work table			
1	work table diameter	800mm	
2	work table speed	5-200rpm	
Route			
1	X axis	300+1400mm	
2	Z axis	600mm	
3	Fast moving speed	24m/min	
4	Resolution	0.0001mm	
5	B axis(assorting)	22.5	
ATC			
1	Number of knife libraries stored	6	
2	Maximum diameter of grinding wheel	305mm	
3	Maximum length of grinding wheel	350mm	
wheel dresser			
1	Diamond pen	3 piece	
2	Diamond wheel	2800rpm	
3	Diamond diameter	120mm	

Metal Surface Grinder Fast Moving Speed and High Precision

Linear Motor Surface Grinding Machine

Specifications

Cross Feed Graduation: 0.02mm

Grinding Wheel Diameter: 200mm

Max. Grinding Length: 500mm

Max. Table Load: 200kg

Spindle Motor: 2.2kw

Table Speed: 0-5m/min

Vertical Feed Graduation: 0.005mm

Wheel Spindle Speed: 2800rpm

Dimension: 1400mm X 1200mm X 1750mm

Grinding Wheel Size: 200mm X 20mm X 31.75mm

Max. Grinding Width: 200mm

Power Supply: 380V/50Hz

Table Size: 500mm X 200mm

Table Travel: 600mm

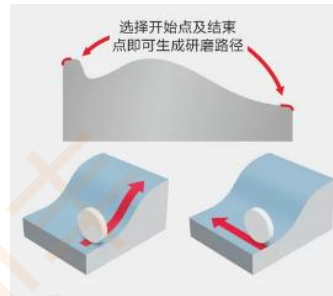
Weight: 1500kg

High Light:

2800rpm Surface Grinding Machine

Surface Grinding Machine Stable

Corrosion Resistance Small Surface Grinder



1. Super precision type:

Surface/contour/surface forming grinding

2. Left and right linear motor:

Fast moving speed and high precision

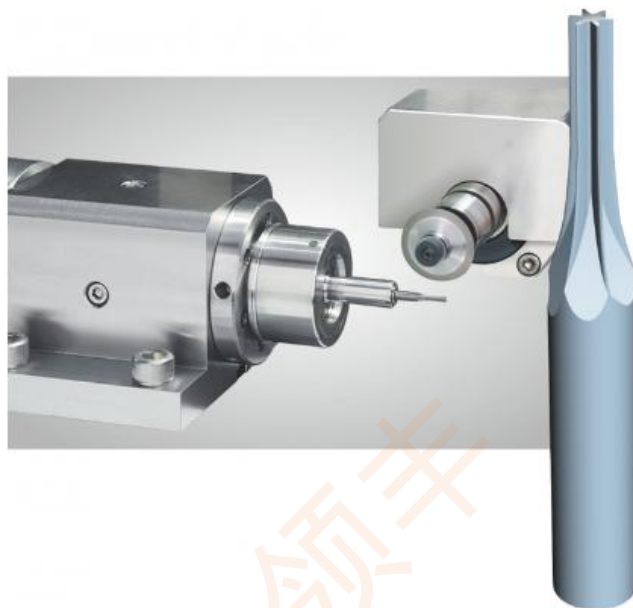
3. Replaceable spindle:

Up to 4

4. Full cover type (optional):

5. Punch machining:

- Convenient CAD data input
- Automatic multi - face machining of punch



6. CCD camera detection:

Through CCD camera measurement on ,the machine tool,image processing system to realize the digitization of fine grinding,,Automation, theshape accuracy is greatly improved.

Bench size	150*355mm
Maximum stroke of table (Y-axis)	400mm
Maximum stroke of table (X axis)	160mm
Maximum stroke of table (z-axis)	350mm
Y/X/Z axis resolution	0.0001mm

S614 Hotman 0.5-5MM/Min Universal Cylindrical Antiwear High

Precision Automatic Surface Grinder

Specifications

Cross Feed: 0.5-5mm/min

Grinding Wheel Diameter: 200mm

Grinding Wheel Speed: 1400rpm

Max. Grinding Length: 500mm

Net Weight: 1500kg

Table Size: 500 X 200mm

Table Travel: 600 X 300mm

Vertical Feed: 0.2-2mm/min

Cross Travel: 300mm

Grinding Wheel Motor Power: 3kw

Gross Weight: 1800kg

Max. Grinding Width: 200mm

Overall Dimensions: 1700 X 1500 X 1700mm

Table Speed: 2-25m/min

Total Motor Power: 4kw

High Light:

Automatic Surface Grinder 0.5MM/Min.

Automatic Surface Grinder 5MM/Min.

Antiwear High Precision Surface Grinding Machine



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat

treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.

2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.

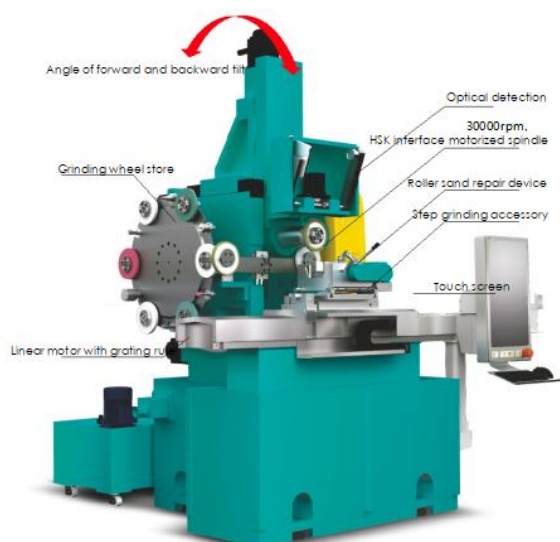
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.

4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.

5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.

6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.

7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

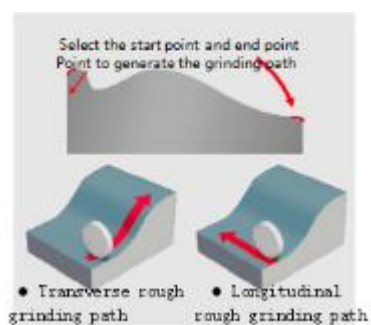


1. Surface/contour/surface forming grinding:

2.High efficiency grinding center for complex parts:

- Compact, flexible loading options for grinding wheels and other tools, complete grinding, milling and drilling with one clamp.
- Large capacity tool library, fast grinding wheel and dressing wheel
- Automatic switching device
- Excellent grinding performance and cooling performance
- Flexible and varied loading options

3.Simple and fast processing program editing:



4.Flexible and varied loading options:



Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
Other	Tail stock oil pump motor	KW	0.75
	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

CNC Lathe Machine For Heavy Cutting With Servo Programmable Tailseat And Motorized Spindle

Specifications

Controller: FANUC Oi-TD

Max Turning Length: 500 Mm

Spindle Motor Power: 7.5kw

Tailstock Taper: MT4

Tool Magazine Capacity: 12pcs

X/Z Axis Feed Rate: 10/15m/min

X/Z Axis Travel: 200/300mm

Cooling System: Air Cooling

High Light:

**Heavy Cutting CNC Lathe Machine,
Servo Programmable Tailseat CNC Lathe Machine,
Motorized Spindle CNC Lathe Machine**

Max Turning Diameter: 200mm

Product Name: Precision CNC Lathe

Spindle Speed: 6000rpm

Tailstock Travel: 200mm

Tool Shank: BT40

X/Z Axis Rapid Traverse: 20/30m/min

Structure: Flat Bed Lathe

Machine Type: CNC Lathe



CNC lathe Machine F580 is a full-featured CNC lathe that integrates high speed, high rigidity and high precision. It can widely meet the high-efficiency processing needs of small and medium-sized precision parts in various industries such as automobiles, electronics, home appliances, aerospace, molds, instruments and meters.

Spindle: The spindle adopts a high-power, high-torque, high-speed, high-precision spindle structure, equipped with NSK high-precision P4-level bearings and South Korea's Samcheon-li 8-inch solid chuck cylinder to ensure good processing accuracy and efficiency.

Turret: The 12-position drum-shaped turret adopts servo motor indexing, arc-shaped gear positioning, and hydraulic clamping structure to ensure the speed, exchange accuracy and rigidity of tool change.

X/Z drive: The X/Z axis is driven by THK C3-grade precision ball screws and matched with THK P-grade linear guides, which have good dynamic characteristics. The fast moving speeds of the X and Z axes are 30m/min and 36m/min respectively.

1. Heavy cutting: High rigidity spindle and tool tower

2. F580A with servo programmable tailseat

- The spindle bearing adopts imported prepressed high-precision bevel ball bearing, which makes the spindle have high rigidity and precision.
- Integrated cutter tower with accurate indexing, cutter tower and sliding saddle castings are strengthened to increase the interference pattern during processing Circumference and turning radius of tool tower. Further enhance the cutting performance.
- Widen the guide rail of the machine tool, increase the diameter of the lead screw, further improve the cutting rigidity of the machine tool, more conducive to heavy cutting processing.
- Servo programmable tailseat, standard with live center (optional built-in rotary sleeve).

F580M with servo programmable tailseat/power cutter tower

- BMT55 power tool holder interface, to achieve turn-milling composite machining.
- Spindle with high speed, high precision built-in motorized spindle, cancel the intermediate transmission mechanism, reduce the vibration and thermal change during high speed operation, ensure the machining accuracy and excellent surface roughness.
- Reserved automatic installation interface, fast and easy to expand into an automated production line.
- Fully enclosed protection, can be equipped with 70KG high pressure water system.
- Servo programmable tailseat, standard with live center (optional built-in rotary sleeve).
- Spindle is equipped with encoder to realize high precision interpolation machining and high reliable angular positioning.

Project		Unit	Model:F580
Processing capacity	Maximum rotating diameter of table	mm	500
	Maximum processing diameter	mm	350
	Maximum processing length	mm	530
	Maximum load between two parietal hearts	Kg(b)	200
	Spindle Max. speed	rpm	4500
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

F380 High Rigidity High Precision Spindle Vertical CNC Lathe Machine F380 Durable Multipurpose

Specifications

Control System: CNC

Max. Turning Length: 500mm

Positioning Accuracy: 0.005mm

Product Name: Precision CNC Lathe

Repeatability Accuracy: 0.003mm

Spindle Speed Range: 50-4000rpm

Tailstock Travel: 150mm

X/Z Axis Travel: 200/500mm

Max. Turning Diameter: 200mm

Overall Dimensions: 1700x1400x1700mm

Power Source: Electric

Rapid Traverse Speed: X/Z: 10/12m/min

Spindle Motor Power: 7.5KW

Tailstock Taper: MT4

Tool Post Type: 4-Station Turret

High Light:

Computer Vertical CNC Lathe Machine.

Vertical CNC Lathe Machine Durable.

Multipurpose Computer Lathe Machine



Application field:

This series of models are used in automobile, construction machinery and agricultural machinery, OEM products, energy industry, medical industry and mass parts machining industry, can process linear cylinder, oblique cylinder, arc and a variety of thread, groove, worm and other complex parts. Typical machining parts such as gear shaft, nozzle, pulley, brake disc, piston, filter head, valve guide, fully protective accessories.



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Industrial Precision CNC Lathe FX580 6000rpm Steel Material 2 Axis

Specifications

Axis: 2

Cutting Feedrate: 0.1-200ipm

Material: Steel

Name: Precision CNC Lathe

Spindle Bore: 2.5

Tailstock: Yes

Weight: 1400kg

Z Axis Travel: 20

Chuck Size: 6

Cutting Speed: High

Motor Power: 7.5

Rapid Traverse: 500ipm

Spindle Speed: 6000rpm

Tool Capacity: 6

X Axis Travel: 8

High Light:

Industrial Precision CNC Lathe. Precision CNC Lathe 6000rpm. Steel Industrial CNC Lathe



1. Compact structure design, small footprint, scientific and reasonable rib layout.
2. The main structure of the machine and key castings such as the bed, spindle box, slide saddle, cutter tower box, etc. are optimized by finite element analysis (FEA), and are treated by magnetic vibration to eliminate internal stress, ensure mechanical thermal stability, reduce force deformation, and improve anti-vibration ability.
3. High-power motor, the use of high-power motor, obtain high torque, heavy cutting can still maintain accuracy and stable processing.
4. High rigidity and strong spindle.
5. C3 precision screw.

C3 precision screw:

The X/Z axis adopts THK (C3 level) pre-stretched screw and integral screw bearing seat structure to effectively prevent temperature rise deformation, improve positioning accuracy, and increase the rigidity and stability of screw support.

High quality ball screw and guide, excellent quality is the only way to meet the high precision and long service life required by customers. The ball screw is fixed at both ends, tested to ensure that it is 100% parallel to the guide, and the pre-tightened ball screw nut eliminates the clearance.

Servo cutter tower: Using NC fast indexing cutter tower structure, no lifting action, servo drive, large diameter rat teeth set, hydraulic locking mechanism. Achieve the perfect combination of high precision, fast efficiency and good rigidity.

The indexing action of the tool tower can be carried out at the same time as the coordinate movement, and the tool change speed is fast, which further improves the working efficiency of the machine tool.

Advantages:

1. Cutter tower tooth plate adopts large diameter curved tooth plate.
2. The tool tower body is directly connected with the screw and guide rail.
3. The cutter size has increased the thickness and increased the rigidity of the main structure of the cutter tower compared with the same industry.

Acceleration:

1. Use high-precision servo control technology to achieve high-speed acceleration of X and Z axis.
2. Fast feed speed: X: 30m/min, Z: 36m/min
3. The high rigidity THK linear guide rail is adopted, and the fast feed speed reaches the highest level in structural public.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Crankshaft Grinding Machine 3m/Min , Anti Collision Crankshaft Cutting Machine-G1

Specifications

Grinding Wheel Diameter: 200mm

Max. Grinding Wheel Bore: 50mm

Max. Grinding Wheel Width: 50mm

Max. Workpiece Length: 1000mm

Overall Dimensions: 2000x1300x1900mm

Table Motor Power: 0.75kW

Table Swivel Speed: 2.5rpm

High Light:

**CE Crank Grinding Service. 3m/min Crank Grinding Service.
Anti Collision Crankshaft Cutting Machine**

Grinding Wheel Motor Power: 7.5kW

Max. Grinding Wheel Speed: 4500rpm

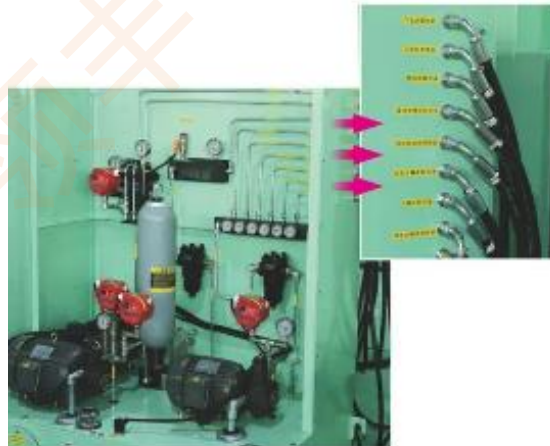
Max. Table Speed: 3m/min

Max. Workpiece Weight: 200kg

Table Feed Per Revolution: 0.05-0.2mm

Table Swivel Angle: $\pm 30^\circ$

Weight: 3000kg



High precision, high rigidity, high efficiency, high stability in mass production

1. The machine is tested in the most demanding environments and conditions, with outstanding accuracy retention, suitable for requirements from single pieces to mass production.
2. The perfect combination of performance and efficiency and excellent flexible design, can be widely used in aviation, medical, hydraulic, mold, high-end automobile manufacturing, robot reducer and other industries of camshaft, crankshaft and drive shaft, eccentric shaft workpiece precision grinding can achieve a clamping, grinding two eccentric shaft outside diameter and multi-eccentric outside diameter.
3. The use of advanced CNC system, the manipulator to achieve automatic clamping, a clamping grinding multi-eccentric shaft diameter, to further improve efficiency, shorten the grinding time, but also to avoid the accuracy error of human tooling.
4. Anti-collision and grinding wheel online detection system makes the processing accuracy of the equipment more stable and safer to use.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Practical Gantry CNC Machine Wear Resistant Multiscene P1530

Specifications

Axis: 3-Axis

Cooling System: Customizable

Lubrication System: Customizable

Positioning Accuracy: Customizable

Safety System: Customizable

Spindle Speed: Customizable

Travel Range: Customizable

Vacuum System: Customizable

Control System: Customizable

Dust Collection System: Customizable

Name: Gantry CNC Machine

Repeatability: Customizable

Spindle Power: Customizable

Table Size: Customizable

Type: CNC Machine

High Light:

**Practical Gantry CNC Machine,
Gantry CNC Machine Wear Resistant,
Multiscene Gantry Style CNC**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
2. Machine guide rails and precision ball screws are continuously lubricated by automatic lubrication system to ensure longer service life and accuracy. The cooling system is separated from the body to eliminate vibration and favorable heat dissipation.
3. Equipped with Siemens 828D CNC automatic grinding system, and secondary development, man-machine dialogue fool operation, with many optional equipment to choose from, including inner hole grinding device, automatic end measuring device, automatic outside diameter measuring device, etc.
4. The grinding feed system is composed of a V and a flat track of hand-crafted precision shovel, with automatic lubrication system and C3 level precision grinding ball screw, which can achieve smooth movement, excellent repeated positioning accuracy and long track life.
5. The standard configuration of the grinding wheel spindle is rear four and rear two bearing structure. High precision dynamic and static pressure spindle can also be selected, which has the characteristics of high rotation precision, high dynamic stiffness, good vibration resistance, high grinding efficiency and good grinding surface quality. For special work-piece grinding, the grinding wheel speed can be adjusted, up to 3500 RPM and 60m/s.
6. The tail seat is designed to be both rigid and robust. A hardened alloy steel sliding cylinder encrusted in the cast iron body is designed to carry the MT4 top core. The jacking force of the sliding cylinder can be easily changed by adjustment knobs at the rear. Special accessories oil pressure tail seat with a pedal to facilitate unloading work parts.
7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

No.	item	Unit	Model: P1530
1	Table area	mm	1500×3000
2	Maximum grinding area	mm	1800×3300
3	Maximum load of workbench	Kg	8000
4	Distance from table to spindle center	mm	1800
5	Table speed	m/min	1-25
6	Automatic intermittent feed rate	mm /feed	0.1-35
7	Front and rear handwheels per scale	mm	0.001
8	Each turn of the hand wheel	mm	0.1/1/10
9	Amount of rapid forward and backward movement	mm /min	3000
10	Automatic up and down feed	mm /feed	0.001-0.099
11	Hand wheel up and down each scale	mm	0.001
12	Each turn of the hand wheel	mm	0.20
13	Rapid up and down movement	mm /min	240
14	Horizontal shaft spindle motor	kw	30
15	Grinding wheel speed 50HZ	rpm	950
16	Size of horizontal wheel (diameter × width × aperture)	mm	Φ500×100×Φ203
17	Vertical shaft spindle motor	kw	11
18	Grinding wheel speed 50HZ	rpm	1500
19	Vertical wheel size (diameter × width × aperture)	mm	Φ400×40×Φ127
20	Front and rear motor	KW	1.8
21	Upper and lower motor	KW	1.5
22	Lubricating oil tank motor	KW	1/2
23	Lubricating pump	KW	1/4
24	Cooling water pump	KW	1/4

Antiwear 380V CNC Machine Gantry Air Cooling Gantry Machining Center FXGS-4080

Specifications

Axis: 3-Axis

Cooling System: Air Cooling

Drive System: Servo Motor

Name: Gantry CNC Machine

Spindle Power: Customized

Table Size: Customized

Type: CNC Machine

Weight: Customized

Control System: CNC

Dimension: Customized

Feed Rate: Customized

Repeatability: High

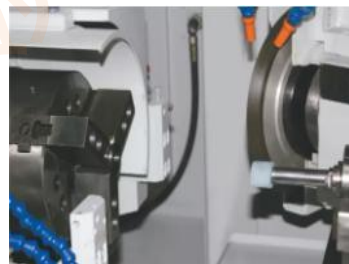
Spindle Speed: Customized

Travel Range: Customized

Voltage: 380V

High Light:

**Antiwear CNC Machine Gantry, 380V CNC Machine Gantry,
Air Cooling Gantry Machining Center**



Device description:

1. The body and components are cast by Milhanna high grade cast iron FC30, which is artificially normalized heat treatment and then treated by natural aging. Components are processed by YASDA, MITSUI SEIKI, TOSHIBA, ELB and other world-class equipment once clamping processing. Precision size can be up to micron level, to ensure high precision equipment basic components.
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7. Siemens numerical control system as the standard configuration, after secondary development, all Chinese operation interface, easy to use. Equipped with Siemens high performance servo motor, the equipment CNC system and drive system have better compatibility, at the same time with automatic sand repair and automatic compensation function, to ensure the stability and precision of feed and grinding.

Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
	Maximum distance between two thimbles	mm	600
	Maximum grinding diameter	mm	320
	Maximum load between two parietal hearts	Kg(b)	60(top work)/20 (working head only)
	Grinding wheel size (diameter × width × aperture)	mm	455×38(32-50)×127
	Grinding wheel speed	rpm	1650
	Maximum linear speed of grinding wheel	m/s	40(high speed grinding wheel up to 65)
	Grinding wheel dressing	mm	Automatic type
Grinding wheel head	Feed Angle	Deg	90
	Feed stroke	mm	250
	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

P2060 Hotman 220V Three Axis CNC Machine Industrial Gantry Type Vertical Machining Center

Specifications

Axis: 3

Dimensions: 5.2m X 4.5m X 3.2m

Model: Gantry

Power Supply: AC220V/380V

Software: FANUC CNC

Spindle Speed: 24000rpm

Travel: X: 2.5m; Y: 2.5m; Z: 1m

Weight: 15000kg

Controller: FANUC Oi-MD

Feed Rate: X/Y/Z: 24m/min

Positioning Accuracy: $\pm 0.01\text{mm}$

Repeatability: $\pm 0.005\text{mm}$

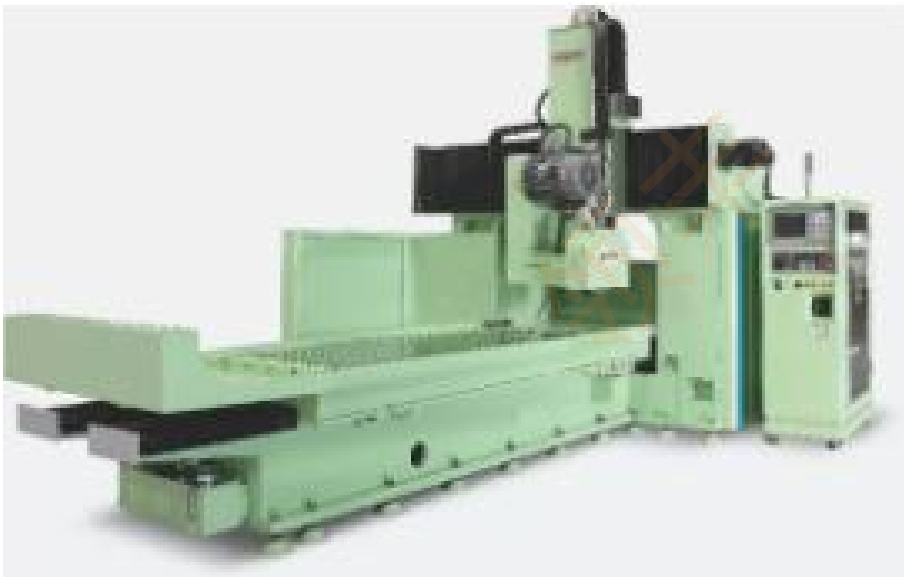
Spindle Motor: AC Servo Motor

Table Size: 2.5m X 2.5m

Type: CNC Machine

High Light:

**220V Three Axis CNC Machine. Three Axis CNC Machine Vertical.
Industrial Gantry Type Vertical Machining Center**



1.High rigidity/regrinding:

Surface/contour/surface forming grinding

2.Machine tool characteristics:

High rigidity structure

The fuselage is designed as an integrated double V track structure. All the castings are made of high-grade cast iron, which is annealed and aged to eliminate the internal stress. The box body is equipped with reinforced ribs to enhance the structural rigidity.

Lubrication system

The high precision lubrication system makes the machine run more stable and can withstand regrinding. The precision feed system greatly improves the grinding efficiency.

Worktable

Table moving back and forth (X axis) slide rail, using double V structure design, continuous forced lubrication, avoid wear, high motion accuracy, high service life.

Ball screw

The machine adopts C3 precision ball screw, which is directly driven by servomotor.

3.Precision spindle:

The main shaft of the grinding wheel is made of nickel-chromium alloy steel, and the internal stress is eliminated through heat treatment, precision grinding and dynamic balance correction.

The grinding wheel mandrel adopts dynamic pressure composite lubrication design, which is easy to form a higher oil film supporting pressure. When it is lower than the working pressure, the automatic pressure detection switch will prevent the start of the abrasive wheel shaft to avoid the mutual wear between the mandrel and the copper bearing shaft. Moreover, the lubricating oil temperature control cooling device is attached to avoid the oil viscosity decreasing due to high temperature, thus affecting the maintenance of pressure.



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	X axis fast moving speed	m/min	6
	Minimum X-axis feed	mm	0.001
Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
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worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
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	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

H350 Hotman 1.5KW-3KW CNC Tool Grinding Machine

Multi Function 3000mm/Min

Specifications

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Feed Speed: 0-3000mm/min

Grinding Wheel Speed: 3000-6000rpm

Grinding Wheel Spindle Feed Speed: 0-3000mm/min

Grinding Wheel Spindle Speed: 0-6000rpm

Grinding Wheel Spindle Travel Motor Power: 0.75-1.5kw

Type: CNC Tool Grinding Machine

Grinding Wheel Feed Motor Power: 1.5-3kw

Grinding Wheel Motor Power: 7.5-15kw

Grinding Wheel Spindle Feed Motor Power: 1.5-3kw

Grinding Wheel Spindle Motor Power: 2.2-4kw

Grinding Wheel Spindle Travel: 0-200mm

Grinding Wheel Spindle Travel Speed: 0-3000mm/min

High Light:

1.5KW CNC Tool Grinding Machine:

3KW CNC Tool Grinding Machine:

Multi Function CNC Tool Cutter Grinder



1.Adapt to multiple shapes:

Special for hard alloy/ceramic /CBN Grinding of equal material blades

X-axis stroke: 100mm

Z-axis stroke: 120mm

2.Online dressing device: the grinding wheel can be dressed while grinding, the electric spindle drives the grinding wheel to repair sand automatically, and the screw servo drives the forward and backward feed.

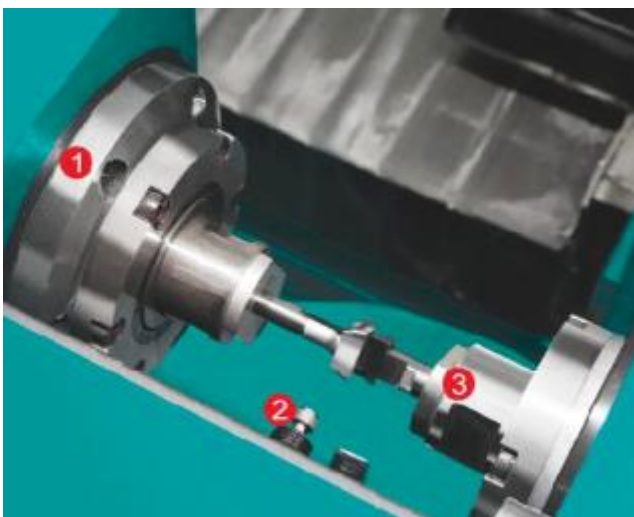
3.Off-line dressing device: It can realize the end face sand repair, the motorized spindle drive feed, and the maximum speed is 8000rpm.

4.Grinding wheel: The material granularity should be changed according to different workpiece requirements. The spindle of grinding wheel is electric spindle, the maximum speed is 2000-4000rpm, the power is 10KW and the torque is 52Nm.



5.DD motor drives the spindle to rotate and control 360° rotation of the workpiece. It can grind the workpiece in all directions, and the rotation Angle is precisely controllable.

6.Cylinder type" Keenes contact sensor without driving device provides online detection; To achieve the same level of ultra-high precision, precision 3 μ m, resolution 0.5 μ m. It can stably carry out high precision measurement, and detect the allowance before rough grinding of various shapes of products; After grinding size, and base compensation; The calculation function of thickness difference and height difference of different blades is provided.



Project		Unit	Model:FX32P-60CNC
Processing capacity	Maximum rotating diameter of table	mm	320
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	X axis fast moving speed	m/min	6
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Head frame	Spindle speed	rpm	50-500
	Spindle form		Simultaneous or centering
	Thimble specification		MT-4
Tail seat	Automatic telescopic distance	mm	40
	Thimble specification		MT-4
worktable	Z axis fast moving speed	m/min	8
	Minimum z-axis feed	mm	0.001
	Maximum travel	mm	550
	Angle of rotation	Deg	+ 6/-9
Motor	Grinding wheel spindle motor	KW	3.75/5.5
	X-axis feed motor (servo)	KW	2.2
	Z-axis feed motor (servo)	KW	2.2
	Head frame spindle motor	KW	0.75
	Cooling pump motor	KW	0.75
	Lubricating oil motor	KW	0.25*2
	Tail stock oil pump motor	KW	0.75
Other	Net machine weight	Kg	3300
	Gross machine weight	Kg	3500
	Package size (length * width * height)	mm	2800*2000*2000

Advanced Grinding Process for Different Blade Shapes with CNC Tool Grinding Machine

Specifications

Grinding Wheel Diameter: 200-400mm

Grinding Wheel Feed Motor Speed: 1400-2800rpm

Grinding Wheel Motor Power: 7.5-15kw

Grinding Wheel Speed: 3000-6000rpm

Grinding Wheel Spindle Feed Motor Speed: 1400-2800rpm

Grinding Wheel Spindle Motor Power: 7.5-15kw

Grinding Wheel Spindle Speed: 3000-6000rpm

High Light:

0.1mm/Min CNC Tool Grinding Machine:

3mm/Min CNC Tool Grinding Machine:

Corrosion Resistance CNC Grinding Machines

Grinding Wheel Feed Motor Power: 0.75-3kw

Grinding Wheel Feed Speed: 0.1-3mm/min

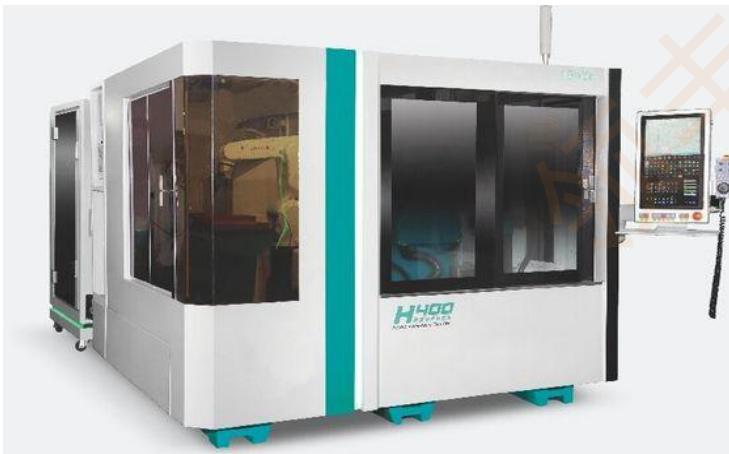
Grinding Wheel Motor Speed: 1400-2800rpm

Grinding Wheel Spindle Feed Motor Power: 0.75-3kw

Grinding Wheel Spindle Feed Speed: 0.1-3mm/min

Grinding Wheel Spindle Motor Speed: 1400-2800rpm

Product Name: CNC Tool Grinding Machine



1.Adapt to multiple shapes:

Special for hard alloy/ceramic /CBN Grinding of equal material blades.

2.Adapt to the grinding process of blades of different shapes:

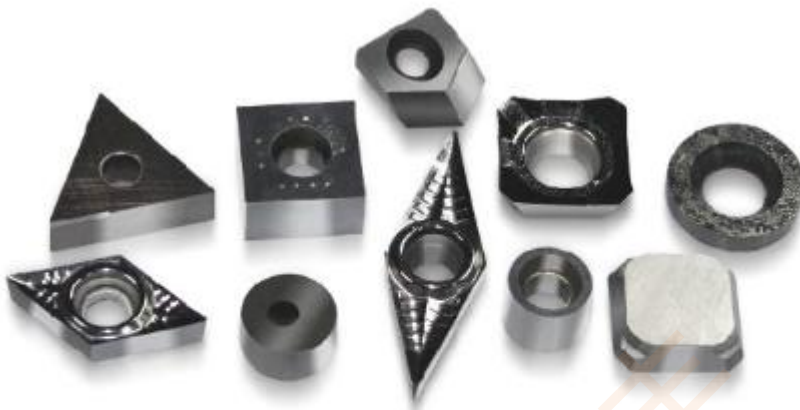
(1).This equipment belongs to the four-axis grinding center, which can fully process the periphery, negative chamfering Angle, back Angle and R Angle of the replaceable blade.

(2).The loading and unloading can be realized by the six-axis robot, which can realize the rotation at all angles, reduce the blade turnover process, further improve the efficiency and shorten the grinding time. Automatic clamping, automatic detection, automatic cleaning products, automatic grinding wheel dressing..

(3).Detection function can automatically regrind defective products, and automatically repair the next workpiece.

(4).Independently developed machining simulation software, can effectively prevent misoperation or collision.

(5).Various standard and non-standard cutting tools can be grinding by changing the tooling.



Cutter width	3- 15mm
Thickness	Maximum 20mm
Length	Maximum 30mm
C axis positioning accuracy	0.006deg
Repeated positioning accuracy of axis C	0.001deg
X-axis stroke	120mm
Y-axis stroke	200mm