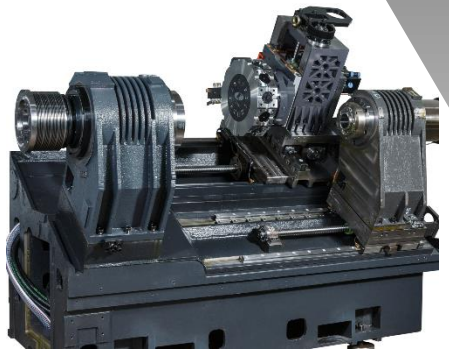
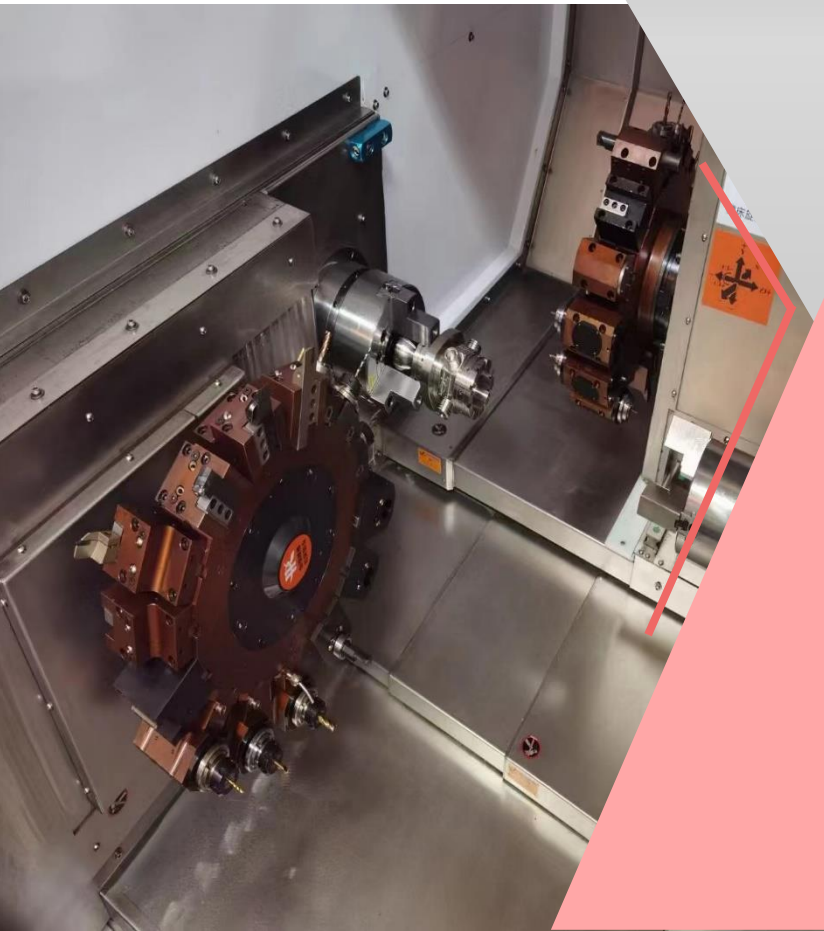




WINNY

CORPORATE PROFILE

WINNY-CNC

One of the professional manufacturers of CNC Machines in the China

Providing Your Right machines

Power of US

► Established in the year 2004, Current plant capacity of 3000 machines annually.

► Two factories, production base located in Zhejiang and Jiangsu.

► Total Area of 15,000 sq. mt

► Professional Application engineering, Mechanical R&D Electrical and Electronics R&D

► Market leader with a strong brand known for its reliable products

Why US

We are one of the professional machine tool groups in the China.

We are not only experience in produce machines but also skilled in applications of machining

We have developed a wide range of Models & cost effective products to meet changing needs of our customers.

Product Range

- CNC Lathe
- CNC turn-mill(M)
- CNC turn-mill with Y axis (MY)
- Double spindle lathe (SMY)
- Swiss lathe

- Drilling and tapping center
- Vertical machining center
- Horizontal machining center
- Gantry machining center

WINNY

Providing Your Right machines

GL series lathe

WINNY

Structured by Modular design.

Faster installation, flexible Option and easy maintenance

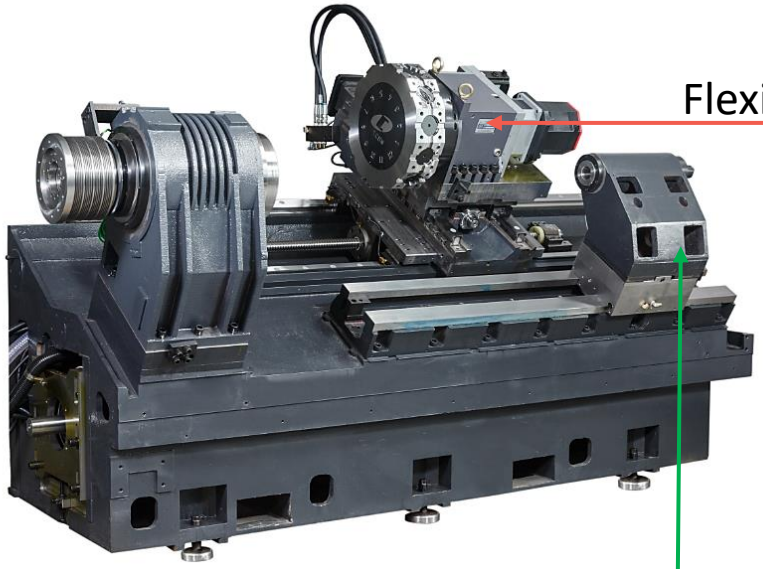
We have developed a wide range of Models & cost effective products to meet changing needs of our customers.

WT08 series

WT10 series

GL series is high precision CNC lathe, modular design structure, turning, turn-mill can be changed flexibly, with C and Y axes capability to cater a wide variety of machining needs like turning, milling, drilling, tapping applications in a single setup which increases the machine capability significantly.
Box type casting is ribbed for rigidity, thermally stress relieved to prevent deformation, the rigid one-piece casting is designed to yield excellent static and dynamic performance, the machines were assembled on a conveyor line, in a clean environment, resulting in a highly efficient production system, to drive high volumes of machines with consistent quality, at optimal costs.

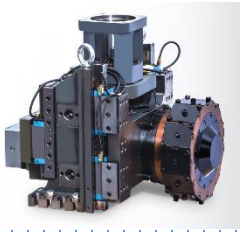
WT10 series



Flexible change

Turning

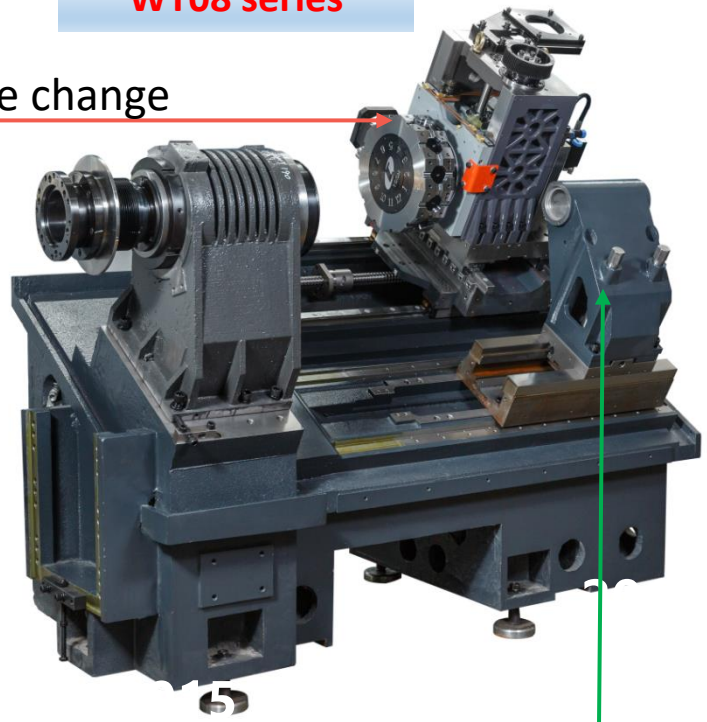
Turn-mill(M)



Turn-mill Y(MY)

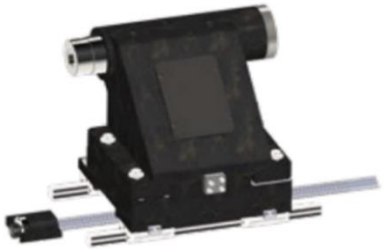
Flexible change

WT08 series



Structured by Modular design

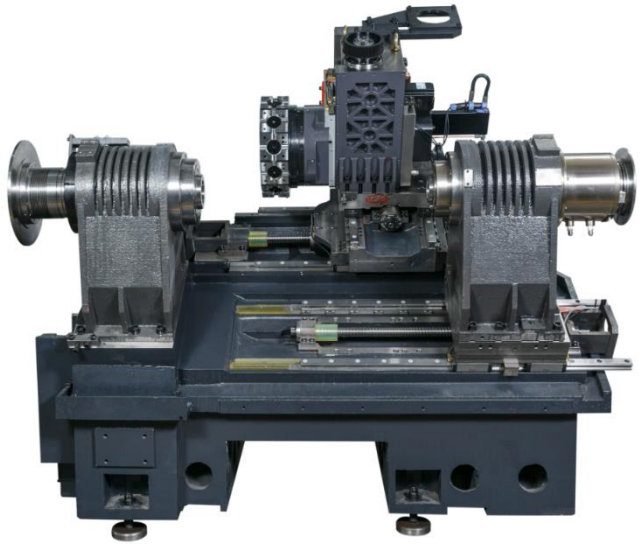
Hydraulic Tailstock



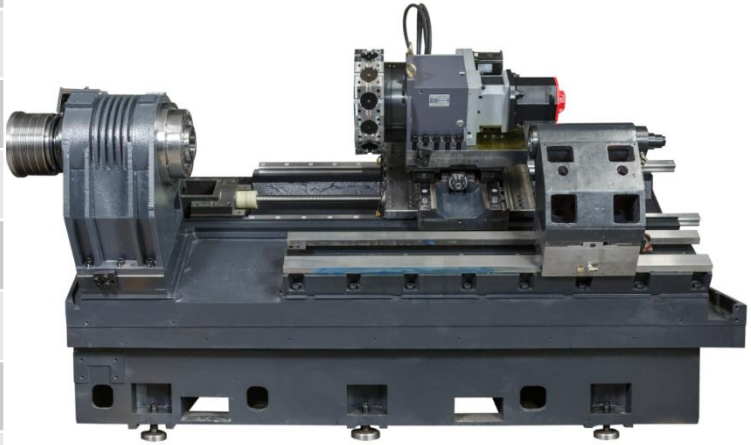
Servo Tailstock

Sub-Spindle

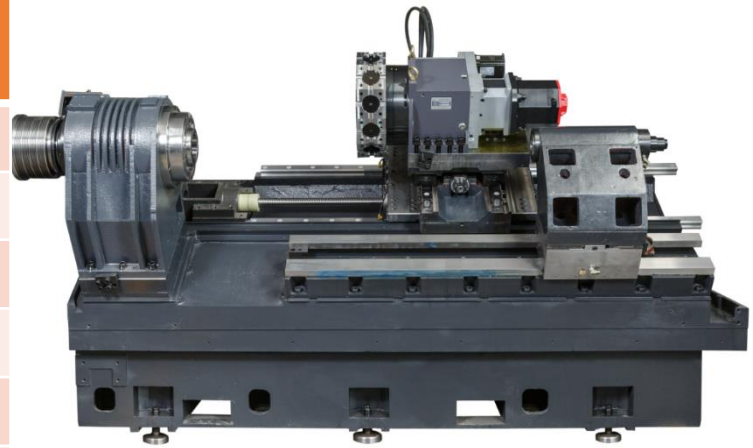
SL No	Description	Unit	WT-08	WT-08M	WT-08MY	WT-08SMY
1	Maximum Swing over bed	mm	500	500	500	500
2	Maximum Turning Diameter	mm	300	290	290	290
3	Maximum Turning Length	mm	450	430	430	430
4	Standard Chuck Size	Inch	8 inch	8 inch	8 inch	8 inch
5	Spindle Nose	mm	A2-6	A2-6	A2-6	A2-6
6	Standard Spindle Speed	mm	1-4000	1-4000	1-4000	1-4000
7	Max Spindle Power	kW	11	11	11	11
8	Sub-Spindle Nose	mm	No	No	No	A2-5
9	Sub-Spindle Max Speed	mm	No	No	No	1-4500
10	Type of turret	mm	12 station	12 station BMT45	12 station BMT45	12 station BMT45
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	210	210	210	210
13	Y-AXIS Stroke	mm	No	No	90	90
14	Z-AXIS Stroke	mm	500	500	500	500
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	390	390
16	Type of Tailstock	mm	Hydraulic MT-4	Hydraulic MT-4	Hydraulic MT-4	No
17	Overall Machine Dimension	mm	2070×1700×1750	2070×1700×1750	2070×1700×1750	2070×1700×1750
18	Overall Machine Weight	mm	3400	3600	3600	3700



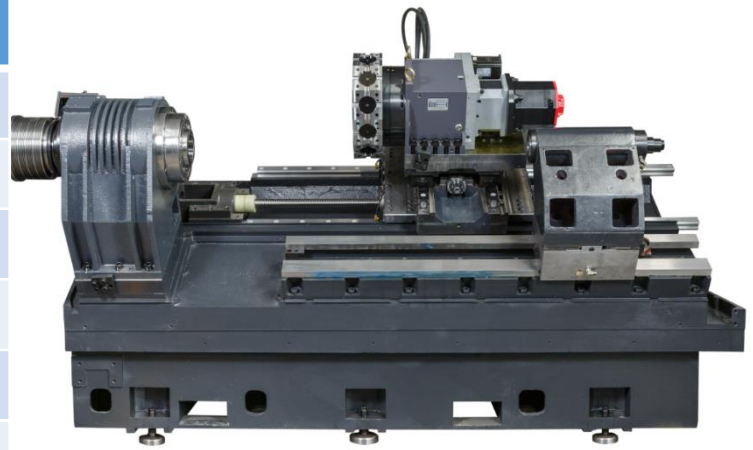
SL No	Description	Unit	WT-10	WT-10M	WT-10MY	WT-10SMY
1	Maximum Swing over bed	mm	650	650	650	650
2	Maximum Turning Diameter	mm	430	430	430	430
3	Maximum Turning Length	mm	590	560	560	560
4	Standard Chuck Size	Inch	10 inch	10 inch	10 inch	10 inch
5	Spindle Nose	mm	A2-8	A2-8	A2-8	A2-8
6	Standard Spindle Speed	mm	1-3000	1-3000	1-3000	1-3000
7	Max Spindle Power	kW	15	15	15	15
8	Sub-Spindle Nose	mm	No	No	No	A2-5
9	Sub-Spindle Max Speed	mm	No	No	No	1-4000
10	Type of turret	mm	12 station	12 station BMT55	12 station BMT55	12 station BMT55
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	230	230	230	230
13	Y-AXIS Stroke	mm	No	No	100	100
14	Z-AXIS Stroke	mm	650	650	650	650
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	480
16	Type of Tailstock	mm	Hydraulic MT-5	Hydraulic MT-5	Hydraulic MT-5	Hydraulic MT-5
17	Overall Machine Dimension	mm	3860×1780×1960	3860×1780×1960	3860×1780×1960	3860×1780×1960
18	Overall Machine Weight	mm	5100	5100	5100	5100



SL No	Description	Unit	WT10-10	WT10-10M	WT10-10MY	WT10-10SMY
1	Maximum Swing over bed	mm	650	650	650	650
2	Maximum Turning Diameter	mm	430	430	430	430
3	Maximum Turning Length	mm	1100	1048	1048	1048
4	Standard Chuck Size	Inch	10 inch	10 inch	10 inch	10 inch
5	Spindle Nose	mm	A2-8	A2-8	A2-8	A2-8
6	Standard Spindle Speed	mm	1-3000	1-3000	1-3000	1-3000
7	Max Spindle Power	kW	15	15	15	15
8	Sub-Spindle Nose	mm	No	No	No	A2-5
9	Sub-Spindle Max Speed	mm	No	No	No	1-4000
10	Type of turret	mm	12 station	12 station BMT55	12 station BMT55	12 station BMT55
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	230	230	230	230
13	Y-AXIS Stroke	mm	No	No	100	100
14	Z-AXIS Stroke	mm	1100	1100	1100	1100
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	950
16	Type of Tailstock	mm	Hydraulic MT-5	Hydraulic MT-5	Hydraulic MT-5	Hydraulic MT-5
17	Overall Machine Dimension	mm	4360×1780×1960	4360×1780×1960	4360×1780×1960	4360×1780×1960
18	Overall Machine Weight	mm	6500	6500	6500	6500

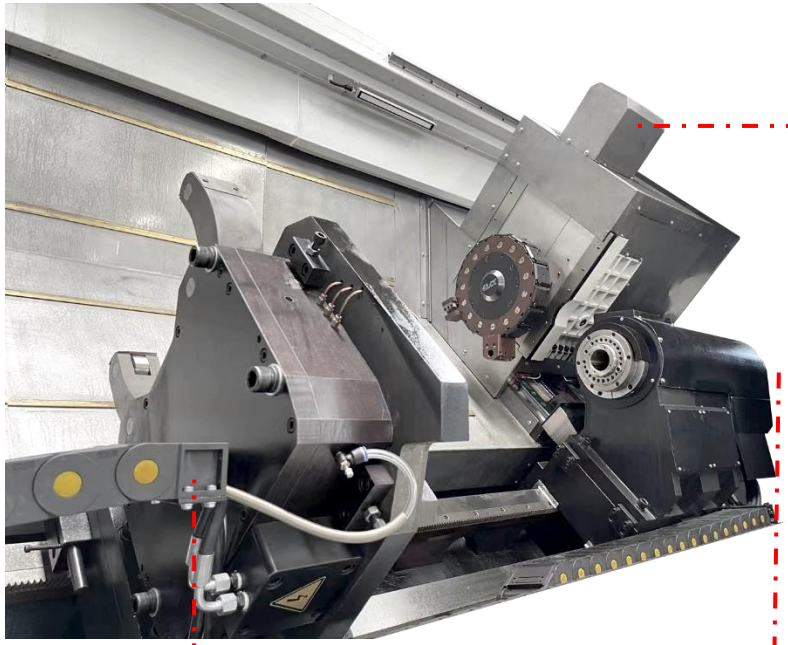


SL No	Description	Unit	WT10-15	WT10-15M	WT10-15MY	WT10-15SMY
1	Maximum Swing over bed	mm	650	650	650	650
2	Maximum Turning Diameter	mm	430	430	430	430
3	Maximum Turning Length	mm	1500	1480	1480	1480
4	Standard Chuck Size	Inch	10 inch	10 inch	10 inch	10 inch
5	Spindle Nose	mm	A2-8	A2-8	A2-8	A2-8
6	Standard Spindle Speed	mm	1-3000	1-3000	1-3000	1-3000
7	Max Spindle Power	kW	15	15	15	15
8	Sub-Spindle Nose	mm	No	No	No	A2-5
9	Sub-Spindle Max Speed	mm	No	No	No	1-4000
10	Type of turret	mm	12 station	12 station BMT55	12 station BMT55	12 station BMT55
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	230	230	230	230
13	Y-AXIS Stroke	mm	No	No	100	100
14	Z-AXIS Stroke	mm	1600	1600	1600	1600
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	1480
16	Type of Tailstock	mm	Hydraulic MT-5	Hydraulic MT-5	Hydraulic MT-5	Hydraulic MT-5
17	Overall Machine Dimension	mm	4860×1780×1960	4860×1780×1960	4860×1780×1960	4860×1780×1960
18	Overall Machine Weight	mm	7500	7500	7500	7500



WT15 series

Heavy duty for large workpieces lathe



Turning

Turn-mill(M)

Turn-mill Y(MY)

Hydraulic steady rest

Base programable with hydraulic automatic locking, the steady rest clamping range from 10mm-460mm.

- 10mm – 100mm
- 20mm-165mm
- 30mm-200mm
- 45mm-310mm
- 120mm-460mm

Hydraulic tailstock

Base programmable, automatic locking and unlocking, the base is supported on box guideways, widely spaced and heavy-duty design ensure rigidity and accuracy.

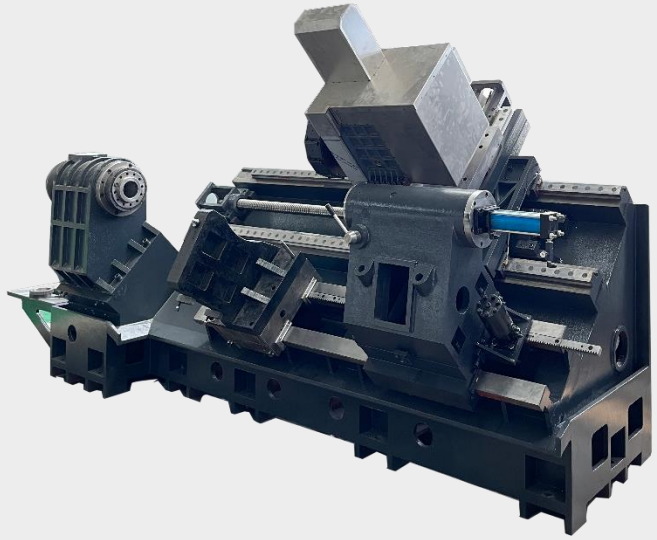
Sub-Spindle

Build in motor provides better positional resolution, it can synchronize with the main spindle.

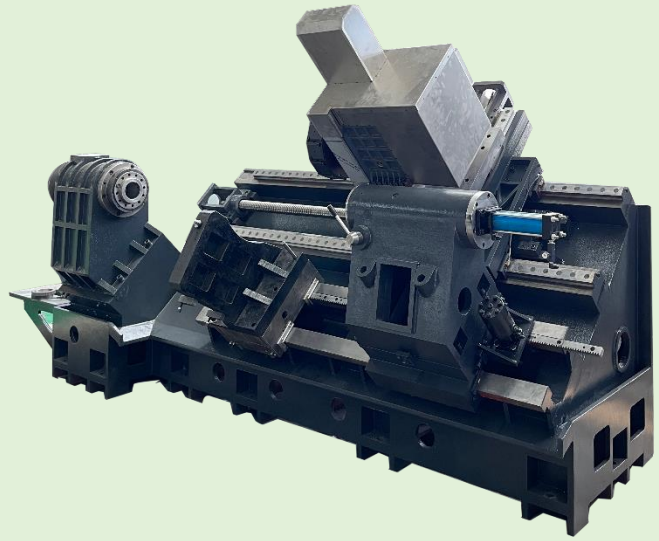
Spindle Unit A2-11

The spindle bearing is the classical design with a combination of cylindrical roller bearings and wide-angle double direction angular contact ball bearings, powerful spindle motor with synchronous belt drive ratio of 1:3, provides good rigidity and high torque output at low speeds.

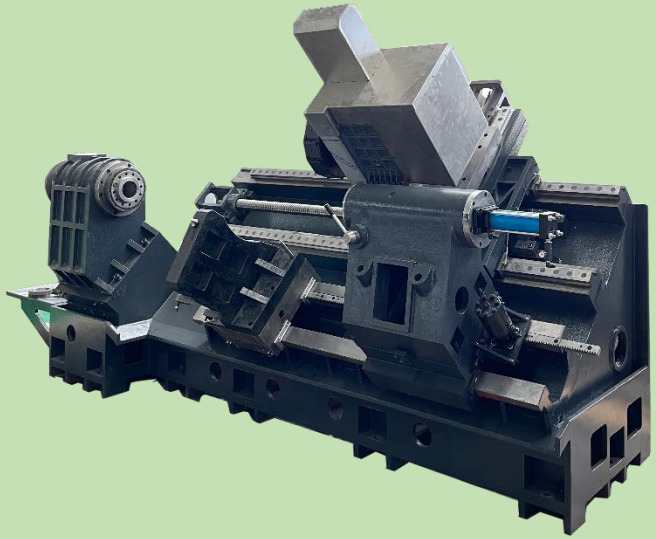
SL No	Description	Unit	WT15-1000	WT15-1000M	WT15-1000MY	WT15-1000SMY
1	Maximum Swing over bed	mm	780	780	780	780
2	Maximum Turning Diameter	mm	650	600	600	600
3	Maximum Turning Length	mm	1000	950	950	950
4	Standard Chuck Size	Inch	12/15	12/15	12/15	12/15
5	Spindle Nose	mm	A2-11	A2-11	A2-11	A2-11
6	Standard Spindle Speed	mm	2500/1500	2500/1500	2500/1500	2500/1500
7	Max Spindle Power	kW	18.5	18.5	18.5	18.5
8	Sub-Spindle Nose	mm	No	No	No	A2-6
9	Sub-Spindle Max Speed	mm	No	No	No	3000
10	Type of turret	mm	12 station	12 station	12 station	12 station
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	350	350	315	315
13	Y-AXIS Stroke	mm	No	No	150	150
14	Z-AXIS Stroke	mm	1100	1100	1100	1100
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	750
16	Type of Tailstock	mm	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6
17	Overall Machine Dimension	mm	5300×2300×2500	5300×2300×2500	5300×2300×2500	5300×2300×2500
18	Overall Machine Weight	mm	7000	7000	7300	7000



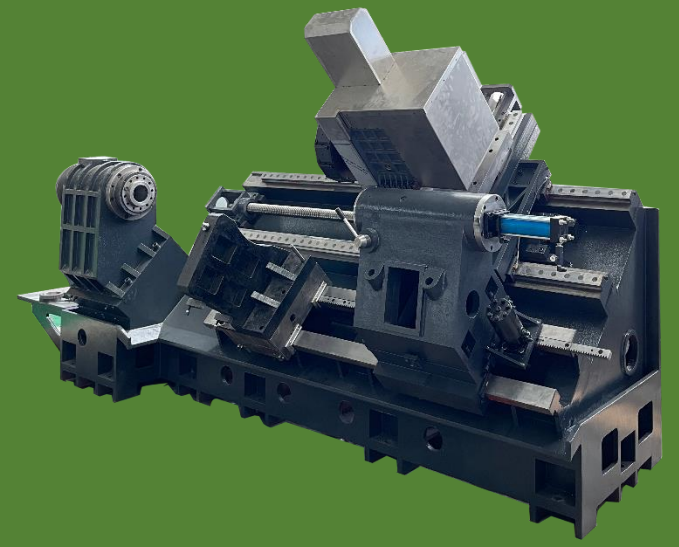
SL No	Description	Unit	WT15-1500	WT15-1500M	WT15-1500MY	WT15-1500SMY
1	Maximum Swing over bed	mm	780	780	780	780
2	Maximum Turning Diameter	mm	650	600	600	600
3	Maximum Turning Length	mm	1500	1450	1450	1450
4	Standard Chuck Size	Inch	12/15	12/15	12/15	12/15
5	Spindle Nose	mm	A2-11	A2-11	A2-11	A2-11
6	Standard Spindle Speed	mm	2500/1500	2500/1500	2500/1500	2500/1500
7	Max Spindle Power	kW	18.5	18.5	18.5	18.5
8	Sub-Spindle Nose	mm	No	No	No	A2-6
9	Sub-Spindle Max Speed	mm	No	No	No	3000
10	Type of turret	mm	12 station	12 station	12 station	12 station
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	350	350	315	315
13	Y-AXIS Stroke	mm	No	No	150	150
14	Z-AXIS Stroke	mm	1600	1600	1600	1600
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	1350
16	Type of Tailstock	mm	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6
17	Overall Machine Dimension	mm	5800×2300×2500	5800×2300×2500	5800×2300×2500	5800×2300×2500
18	Overall Machine Weight	mm	8200	8200	8200	8200



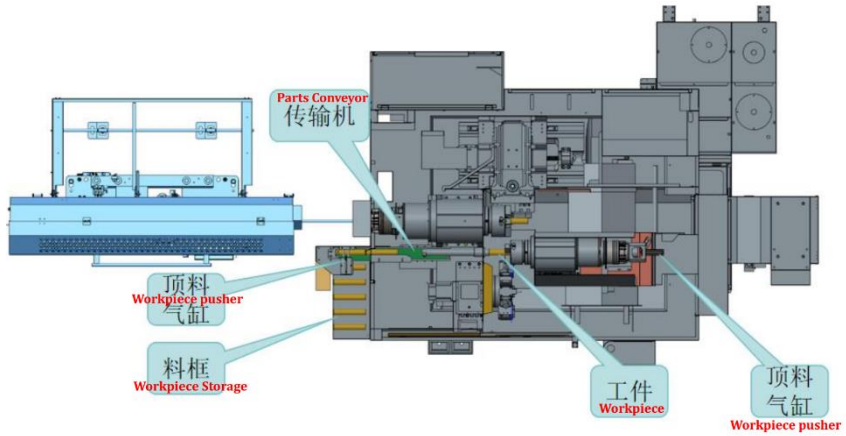
SL No	Description	Unit	WT15-2000	WT15-2000M	WT15-2000MY	WT15-2000SMY
1	Maximum Swing over bed	mm	780	780	780	780
2	Maximum Turning Diameter	mm	650	600	600	600
3	Maximum Turning Length	mm	2000	1950	1950	1950
4	Standard Chuck Size	Inch	12/15	12/15	12/15	12/15
5	Spindle Nose	mm	A2-11	A2-11	A2-11	A2-11
6	Standard Spindle Speed	mm	2500/1500	2500/1500	2500/1500	2500/1500
7	Max Spindle Power	kW	18.5	18.5	18.5	18.5
8	Sub-Spindle Nose	mm	No	No	No	A2-6
9	Sub-Spindle Max Speed	mm	No	No	No	3000
10	Type of turret	mm	12 station	12 station	12 station	12 station
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	350	350	315	315
13	Y-AXIS Stroke	mm	No	No	150	150
14	Z-AXIS Stroke	mm	2035	2035	2035	2035
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	1850
16	Type of Tailstock	mm	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6
17	Overall Machine Dimension	mm	6300×2300×2500	6300×2300×2500	6300×2300×2500	6300×2300×2500
18	Overall Machine Weight	mm	9500	9500	9500	9500



SL No	Description	Unit	WT15-3000	WT15-3000M	WT15-3000MY	WT15-3000SMY
1	Maximum Swing over bed	mm	780	780	780	780
2	Maximum Turning Diameter	mm	650	600	600	600
3	Maximum Turning Length	mm	3000	2950	2950	2950
4	Standard Chuck Size	Inch	12/15	12/15	12/15	12/15
5	Spindle Nose	mm	A2-11	A2-11	A2-11	A2-11
6	Standard Spindle Speed	mm	2500/1500	2500/1500	2500/1500	2500/1500
7	Max Spindle Power	kW	18.5	18.5	18.5	18.5
8	Sub-Spindle Nose	mm	No	No	No	A2-6
9	Sub-Spindle Max Speed	mm	No	No	No	3000
10	Type of turret	mm	12 station	12 station	12 station	12 station
11	Live Tool Max Speed	mm	No	4000	4000	4000
12	X-AXIS Stroke	mm	350	350	315	315
13	Y-AXIS Stroke	mm	No	No	150	150
14	Z-AXIS Stroke	mm	3035	3035	3035	3035
15	A-AXIS Stroke(Sub-spindle)	mm	No	No	No	2350
16	Type of Tailstock	mm	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6	Hydraulic MT-6
17	Overall Machine Dimension	mm	7300×2300×2500	7300×2300×2500	7300×2300×2500	7300×2300×2500
18	Overall Machine Weight	mm	12300	12300	12300	12300



Two spindle and two turrets turn-mill



Structured by Modular design.

Faster installation, flexible Option and easy maintenance

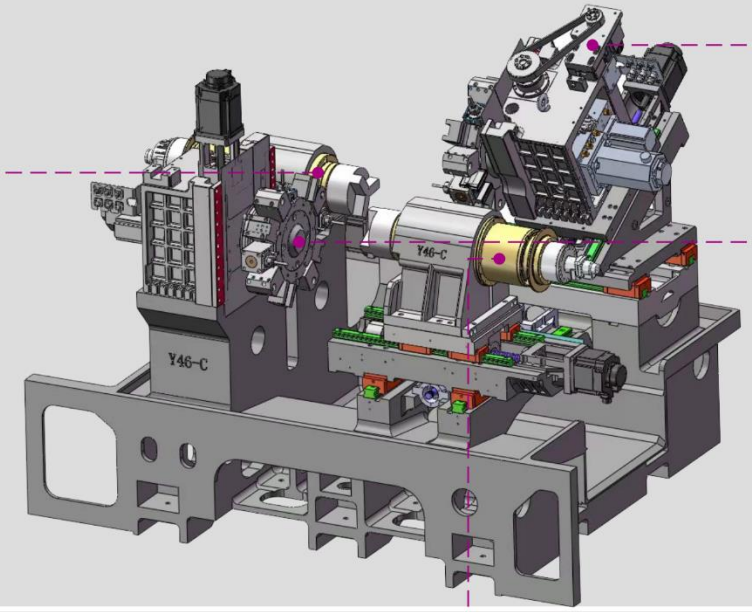
We have developed a wide range of Models & cost effective products to meet changing needs of our customers.

The TM52-2SYT Adopting of two-channel, multi-axis system, high precision turn-mill, two compact high rigidity turrets with twin spindles enable highly efficient machining, with double C axis and double Y axis capability to cater a wide variety of machining needs like turning, milling, drilling & tapping in single setup which increases the capability of the machine significantly.

Box type casting is ribbed for rigidity, thermally stress relieved to prevent deformation, the rigid one-piece casting is designed to yield excellent static and dynamic performance, the machines were assembled on a conveyor line, in a clean environment, resulting in a highly efficient production system, to drive high volumes of machines with consistent quality, at optimal costs.

TM52-2STY

Double spindle and 2 turrets turn-mill.



Turret 1 right side

Live turret with tool size of BMT45, 15 station, servo drive, bi-direction indexing for shortest time, Three-piece couplingensuring repeatability, positioning accuracy and rigidity.

Turret 2 left side

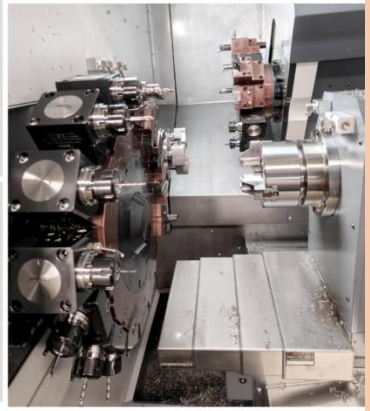
Live turret with tool size of BMT45, 12 station, servo drive, bi-direction indexing for shortest time, Three-piece coupling ensuring repeatability, positioning accuracy and rigidity.

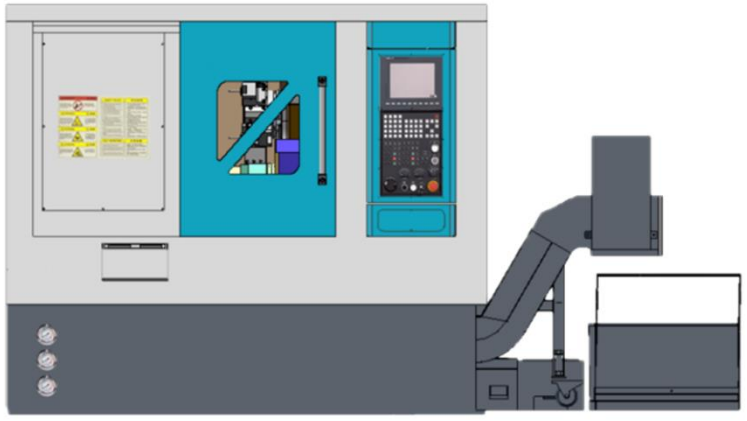
Main Spindle Electric driver

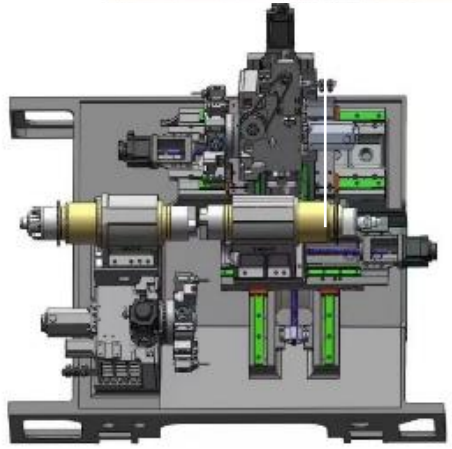
Build in type Spindle uses super precision bearings with grease lubricated for life.Direct driver ensures indexingaccuracy of C1 axis, high speed, rigidity, smooth performance, and Parts surface roughness.

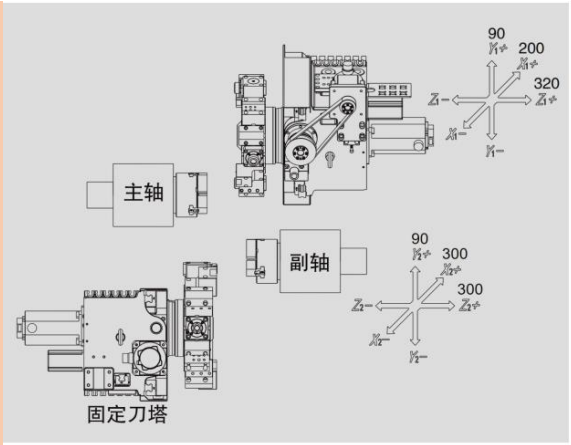
Sub-Spindle Electric driver

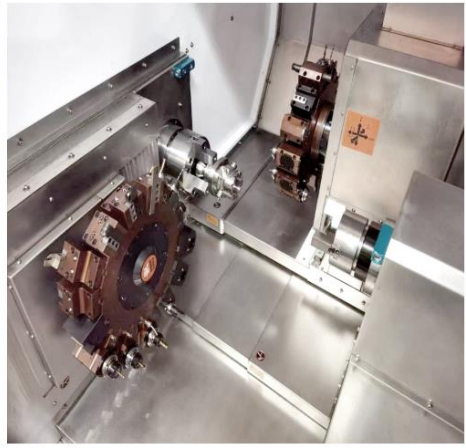
Direct drive provides high-resolution of C2 axis indexing position, the sub-spindle can synchronize with the main spindle at speeds up to 5000RPM











SPECIFICATION

Description	units	TM46-2STY	TM52-2STY
Max. Swing over bed	mm	320	320
Max. Turning Diameter	mm	100	100
Max. Turning Length	mm	100	100
Main spindle Chuck Size	Inch	6	8
Sub-spindle Chuck Size	Inch	5	6
Spindle Type	/	Electric spindle, direct drive.	
Main Spindle Nose	ISO	A2-5	A2-6
Sub-Spindle Nose	ISO	A2-4	A2-5
Main Spindle Bore Size	mm	56	66
Main spindle Bar Capacity	mm	46	52
Max Spindle Speed	RPM	5000	4500
Max Spindle Power	Kw	11	11
Axes torque for X/Z/Y	Nm	11/11/11	11/11/11
Turret 1, right side	/	15 station BMT45	15 station BMT45
Turret 2, left side	/	15 station BMT45	15 station BMT45
Live Tool motor Power	Kw	2.7	2.7
Max. Boring Bar Dia.	mm	25/32	25/32
Tool Shank size	mm	20/25	20/25
Live Tool Max Speed	RPM	4000	4000
Travel Stroke for X1 Y1 Z1	mm	200/100/320	200/100/320
Travel Stroke for X2 Y2 Z2		300/100/300	300/100/300
Rapid Rate X/Z/Y	m/min	24/24/15	20/20/15
Type of guideways	/	Linear/ Roller	Linear/ Roller
COOLANT TANK CAPACITY	L	130	130
Input voltage	V	380V 50Hz	380V 50Hz
Power cable size (3 phase)	m^2	16	16
Power Pack Capacity	Kva	50	50
Machine Weight	KG	6000	6000
Machine Dimension	mm	2360X 2295X 1915	

WINNY

SWISS lathe

One-piece bed casting design with built-in motor spindle, excellent rigidity and high-precision suitable for small and complex parts at larger volumes

- ✓ **Structured by Modular design.**
- ✓ **Faster installation, flexible Option and easy maintenance.**
- ✓ **synchronous guide bushings.**
- ✓ **Max 6 machining axes.**
- ✓ **bar capacity available for 12mm,20mm,25mm and 32mm .**

SL-125

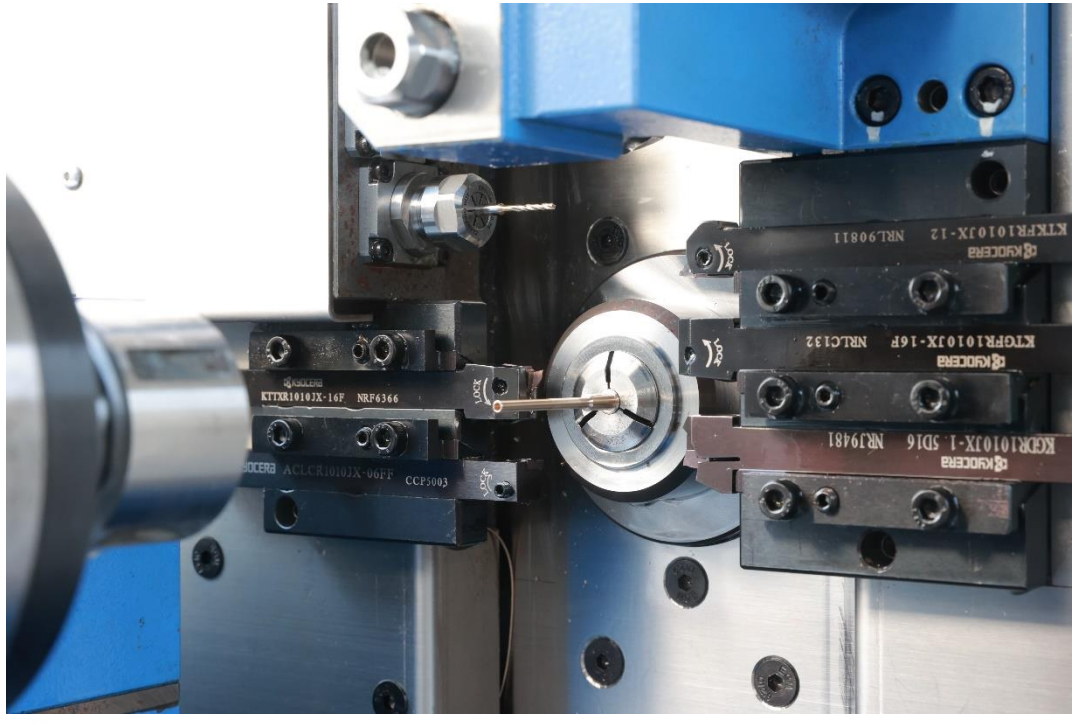
SL-205

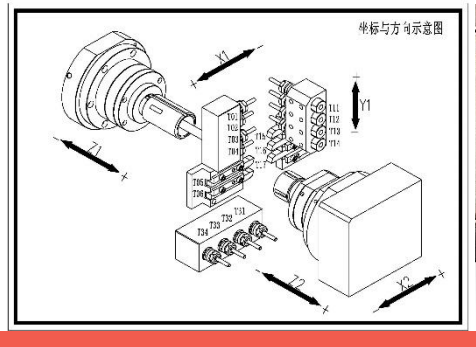
SL-265

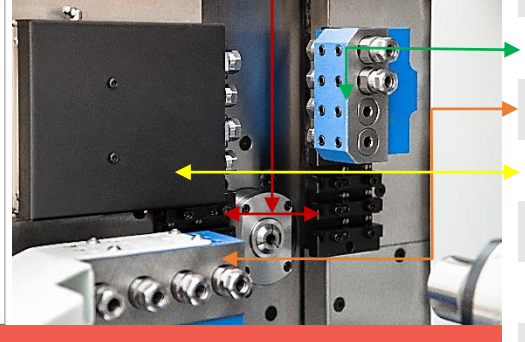
SL-325

SL-125

5-axis, Max bar capacity 12mm



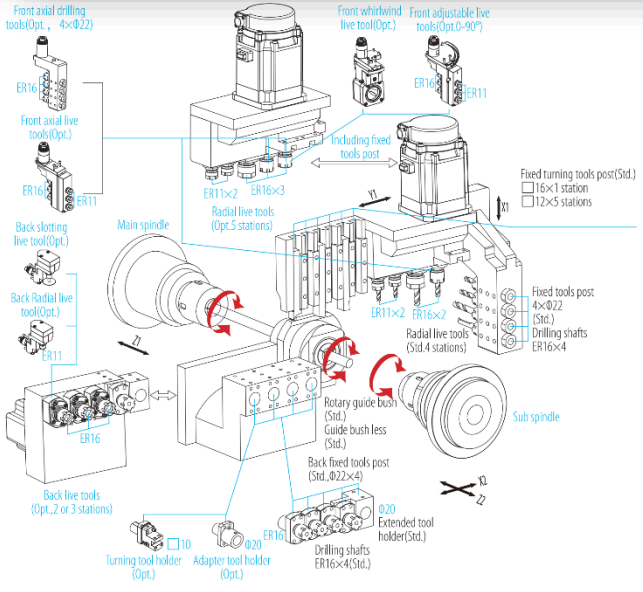


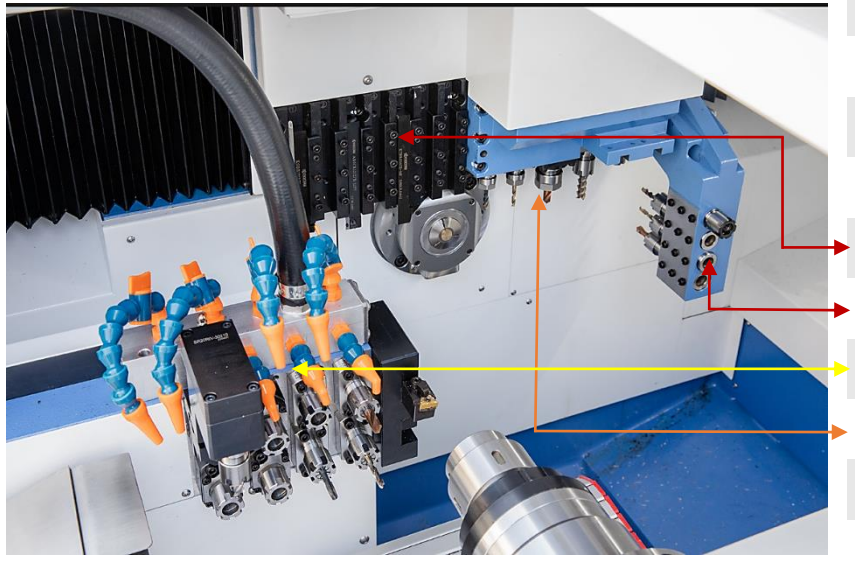


ITEMS	SL-125
Number of Axes	5
Number of Channels	2
Spindle runout (Axial and Radial)	≤0.002mm
Accuracy(repeatability)	≤0.003mm
Guide Bushing type	Synchronous or Static
Bar capacity(Front/Rear)	12mm/12mm
Spindle hole size	16mm
Max turn length	60mm with (guide bushing)
Main spindle speed	10000RPM
Main spindle power	1.5Kw
Sub-spindle speed	10000RPM
Sub-spindle power	1.5Kw
Live tool speed	6000RPM
Live tool power	0.75Kw
Number of OD Fixed tools (Front)	5 (10mm shank)
Number of ID Fixed tools (Front)	4 (ER11)
Number of ID Fixed tools (Rear)	4 (ER11)
Number of live tools (Front)	4 (ER11)
CNC controller	Syntec/FAUNC/Mitsubishi
Machine size （L×W×H mm）	2070×1100×1700
Machine weight	1800KG

SL-205

5-axis, Max bar capacity 20mm

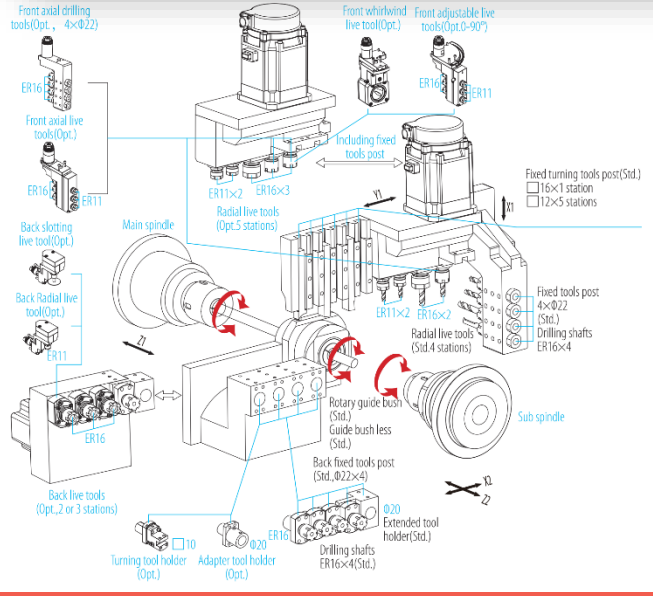


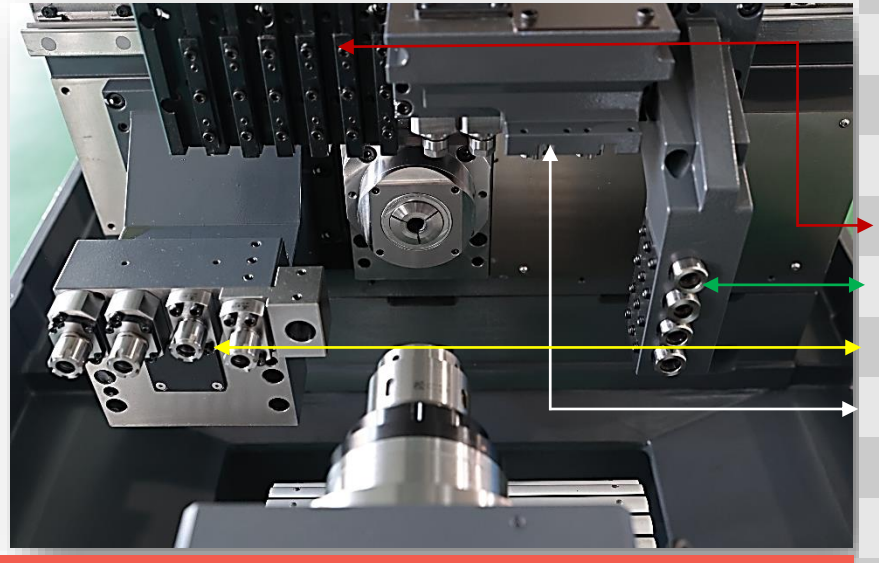


ITEMS	SL-205
Number of Axes	5
Number of Channels	2
Spindle runout (Axial and Radial)	≤0.002mm
Accuracy(repeatability)	≤0.003mm
Guide Bushing type	Synchronous or Static
Bar capacity(Front/Rear)	20mm/20mm
Spindle hole size	25mm
Max turn length	180mm with (guide bushing)
Main spindle speed	8000RPM
Main spindle power	4.2Kw
Sub-spindle speed	8000RPM
Sub-spindle power	3.1Kw
Live tool speed	5000RPM
Live tool power	1kw
Number of OD Fixed tools (Front)	6 (12mm shank)
Number of ID Fixed tools (Front)	4 (ER16)
Number of ID Fixed tools (Rear)	4 (ER16)
Number of live tools (Front)	2 (ER12)+2 (ER16)
CNC controller	Syntec/FAUNC/Mitsubishi
Machine size （L×W×H mm）	2380×1300×1770
Machine weight	2400KG

SL-265

5-axis, Max bar capacity 26mm

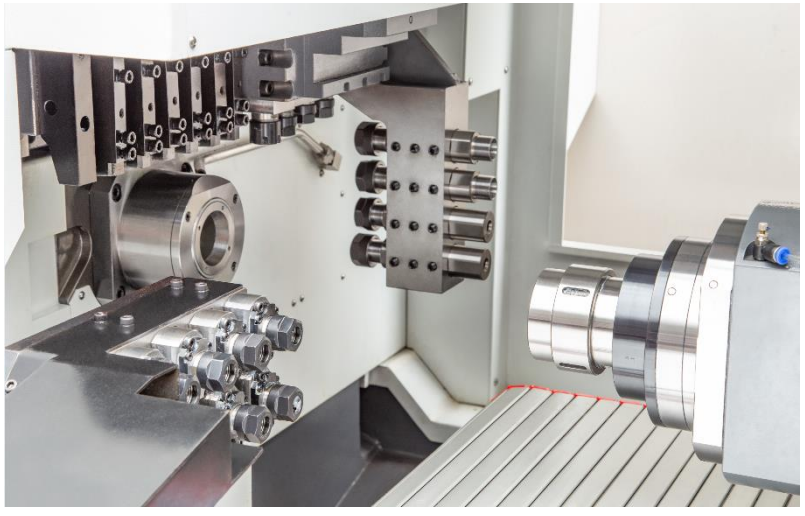


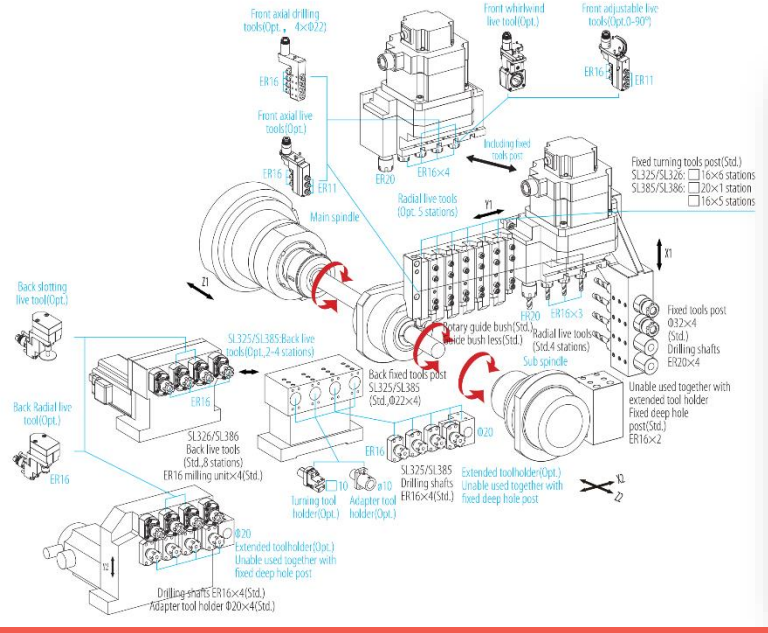


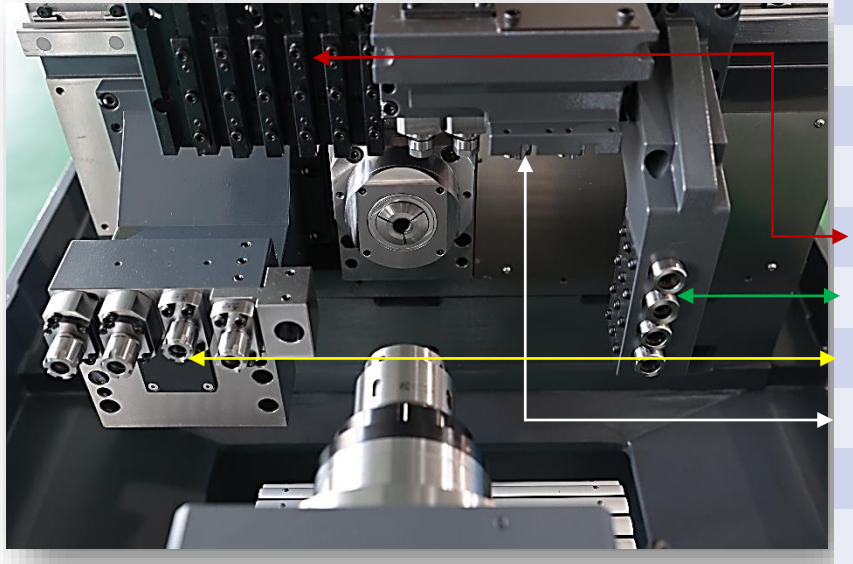
ITEMS	SL-265
Number of Axes	5
Number of Channels	2
Spindle runout (Axial and Radial)	≤0.002mm
Accuracy(repeatability)	≤0.003mm
Guide Bushing type	Synchronous or Static
Bar capacity(Front/Rear)	26mm/26mm
Spindle hole size	30mm
Max turn length	180mm with (guide bushing)
Main spindle speed	8000RPM
Main spindle power	4.2Kw
Sub-spindle speed	8000RPM
Sub-spindle power	3.1Kw
Live tool speed	5000RPM
Live tool power	1kw
Number of OD Fixed tools (Front)	6 (12mm shank)
Number of ID Fixed tools (Front)	4 (ER16)
Number of ID Fixed tools (Rear)	4 (ER16)
Number of live tools (Front)	2 (ER12)+2 (ER16)
CNC controller	Syntec/FAUNC/Mitsubishi
Machine size （L×W×H mm）	2380×1300×1770
Machine weight	2400KG

SL-325

5-axis, Max bar capacity 32mm



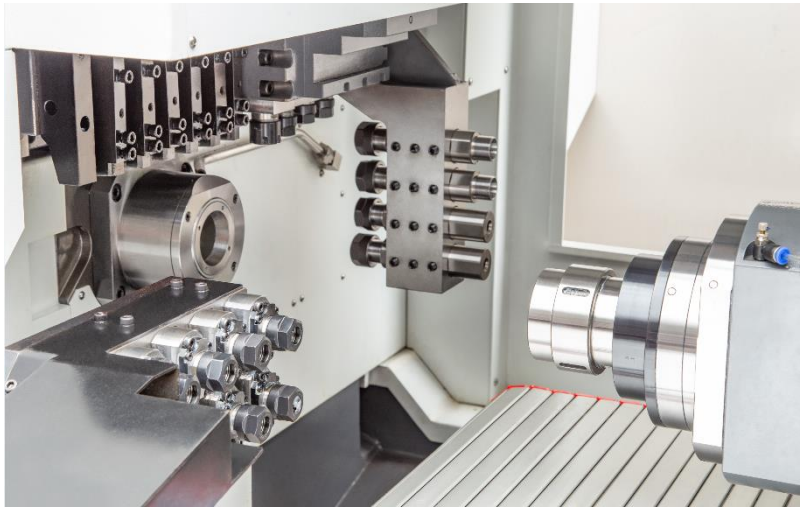


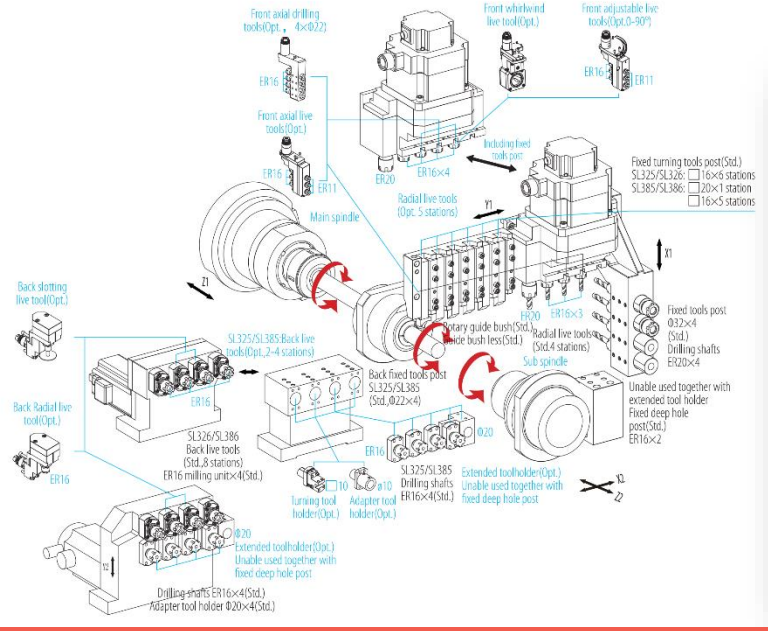


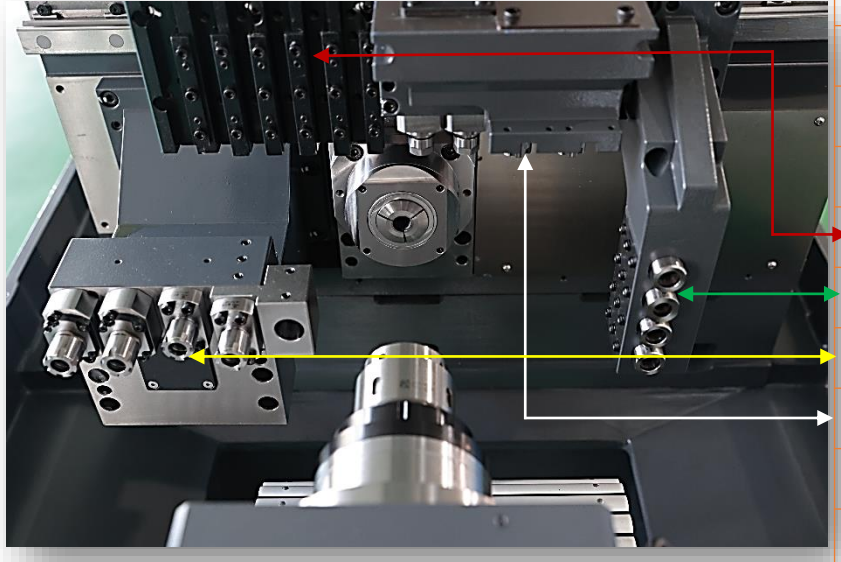
ITEMS	SL-325
Number of Axes	5
Number of Channels	2
Spindle runout (Axial and Radial)	≤0.002mm
Accuracy(repeatability)	≤0.003mm
Guide Bushing type	Synchronous or Static
Bar capacity(Front/Rear)	32mm/32mm
Spindle hole size	36mm
Max turn length	310mm with (guide bushing)
Main spindle speed	6000RPM
Main spindle power	6.3Kw
Sub-spindle speed	6000RPM
Sub-spindle power	4.2Kw
Live tool speed	6000RPM
Live tool power	1.1kw
Number of OD Fixed tools (Front)	6 (16mm shank)
Number of ID Fixed tools (Front)	4 (ER20)
Number of ID Fixed tools (Rear)	4 (ER20)
Number of live tools (Front)	3 (ER16)+1 (ER20)
CNC controller	Syntec/FAUNC/Mitsubishi
Machine size （L×W×H mm）	2940×1660×1920
Machine weight	3750KG

SL-326

6-axis, Max bar capacity 32mm







ITEMS	SL-326
Number of Axes	6
Number of Channels	2
Spindle runout (Axial and Radial)	≤0.002mm
Accuracy(repeatability)	≤0.003mm
Guide Bushing type	Synchronous or Static
Bar capacity(Front/Rear)	32mm/32mm
Spindle hole size	36mm
Max turn length	310mm with (guide bushing)
Main spindle speed	6000RPM
Main spindle power	6.3Kw
Sub-spindle speed	6000RPM
Sub-spindle power	4.2Kw
Live tool speed	6000RPM
Live tool power	1.1kw
Number of OD Fixed tools (Front)	6 (16mm shank)
Number of ID Fixed tools (Front)	4 (ER20)
Number of ID Fixed tools (Rear)	4 (ER20)
Number of live tools (Front/Rear)	3 (ER16)+1 (ER20)/4(ER16)
CNC controller	Syntec/FAUNC/Mitsubishi
Machine size （L×W×H mm）	3100×1660×1920
Machine weight	3750KG

TV Series drill and tap machining center

Highly engineered machine structure manufactured from grey cast iron, heavily ribbed throughout to ensure high overall rigidity and thermal stability.

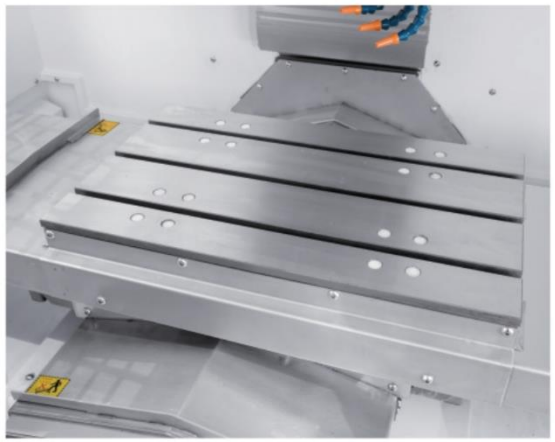
Wide variety of high speed and high-power spindle, excellent ability in milling, drilling and tapping.

Suitable for 3C products, medical parts, small precision parts, outstanding advantage of small threaded holes

WINNY

Vertical Drill and tap machining center

- ✓ **Direct drive spindle**
- ✓ **Higher spindle speed 20000rpm**
- ✓ **Servo indexing disc type armless ATC**
- ✓ **High rapids 48M for X/Y/Z.**
- ✓ **Shorter cycle time.**



SPECIFICATION		TV-600(H)	TV-750(H)	TV-800(H)	TV-1000(H)
Travels	Unit				
Stroke X/Y/Z	mm	600/400/320(600)	750/400/320(600)	800/500/500(800)	1000/500/500(800)
Dist. From spindle face to table top	mm	150-470(750)	150-470(750)	120-620	120-620
Dist. From spindle center to column	mm	425	425	570	570
Table					
Table size	mm	700x420	700x420	1000x500	1000x500
T-slot. N×W×P	mm	14x3x125	14x3x125	18x5x90	18x5x90
Max load on table	kg	280	280	400	400
Spindle					
Spindle drive type	-	Direct drive	Direct drive	Direct drive	Direct drive
Spindle speed (std)	rpm	20000	20000	20000	20000
Spindle speed (option)	rpm	12000/15000/24000	12000/15000/24000	12000/15000/24000	12000/15000/24000
Spindle nose taper	-	BT-30	BT-30	BT-30	BT-30
Spindle bearing lubrication	-	Grease lubricated	Grease lubricated	Grease lubricated	Grease lubricated
Spindle cooling	-	Air-cooling / Oil-cooling	Air-cooling / Oil-cooling	Air-cooling / Oil-cooling	Air-cooling / Oil-cooling
Axes and Feed					
Width of guideway	mm	30/30/30	30/30/30	30/30/30	30/30/30
Ball screw Dia X/Y/Z	mm	Φ28/Φ28/Φ32	Φ28/Φ28/Φ32	Φ32/Φ32/Φ32	Φ32/Φ32/Φ32
Ball screw pitch X/Y/Z	mm	P=12/16	P=12/16	P=12/16	P=12/16
Rapid for X/Y/Z	m/min	48/48/48	48/48/48	48/48/48	48/48/48
Accuracy					
Positioning for X/Y/Z	mm	±0.005	±0.005	±0.005	±0.005
Repeatability for X/Y/Z	mm	±0.003	±0.003	±0.003	±0.003
Installation data-machine					
Chip conveyor	-	Rear mounted	Rear mounted	Rear mounted	Rear mounted
Machine height	mm	2236±10	2236±10	2480	2480
Machine length and width	mm	2050×1800	2200×1800	2720 ×2450	2720 ×2650
Machine weight	kg	3000	3000	5200	5500
Auto tool change (ATC)					
Number of tools. STD/OPT	pcs	16/21	16/21	16/21	16/21
ATC type	-	Armless	Armless	Armless	Armless
Tool shank type	-	BT-30	BT-30	BT-30	BT-30
Tool Diameter Max	mm	Φ60/Φ80	Φ60/Φ80	Φ60/Φ80	Φ60/Φ80
Tool Length Max	mm	200	200	200	200
ATC indexing	-	Bi-directional	Bi-directional	Bi-directional	Bi-directional
Tool weight Max	kgs	2kg / 3kg		2kg / 3kg	
Tool to tool time	sec	1.4 (Set with 2KG of tool weight)		1.4 (Set with 2KG of tool weight)	

All specifications are subject to change without prior notice

- Higher Speed Spindle (direct drive)
- Fully enclosed ATC
- Heavy duty linear guide ways for all axes
- Centralized lubrication system
- Pre-tension ball screw support
- Pitch error Compensation Laser calibration

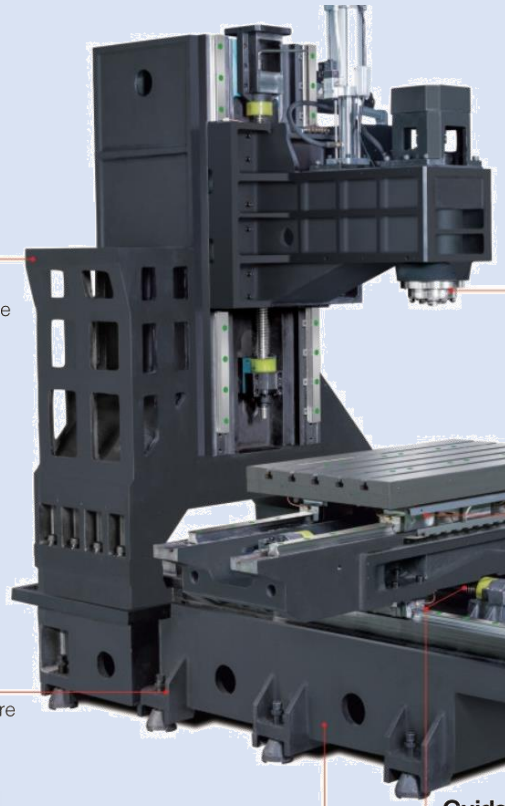
MV Series Vertical Machining Centers

These machines have structural components made of cast iron which are machined to provide and retain high built-in accuracies. heavily ribbed throughout to ensure high overall rigidity and thermal stability. Equipped with a high rigid, high speed spindle, designed for a wide range of applications, maintenance friendliness, optimum job loading height, easy access to the spindle, ease of chip removal.

The high precision laser unit is applied for inspecting accuracy and ball bar tester to inspect the geometric error and ensures superior circular accuracy through parameter adjustment. All machines are subject to cutting tests which are combined with proper parameter adjustments to guarantee the best possible cutting quality.

WINNY

Vertical machining center



Spindle

Belt drive with 10000rpm
Direct drive with 12000rpm
High precision cermet ball bearings
BT/HSK Spindle

ATC Bracket

One-piece structure design can reduce the internal stress of the column and reduce the vibration caused by high-speed operation

Work table

Precision grinding of worktable surfaces

Ball runner block

X and Z axis guide way adopts 6 sets ball runner block, which greatly increase the load-bearing rigidity

Footing support

8-point support to ensure rigidity and vibration

Machine frame

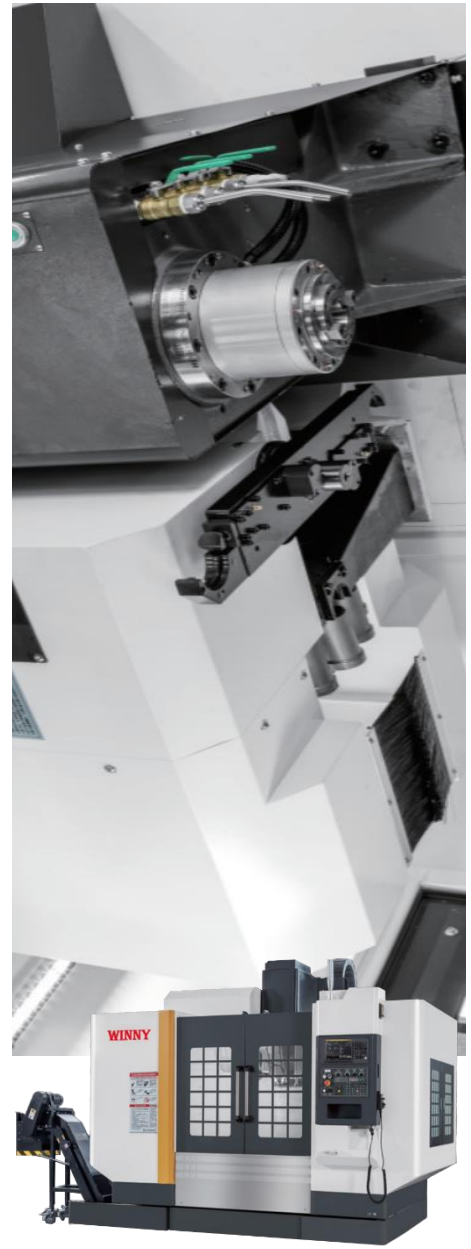
heavily ribbed throughout to ensure high overall rigidity and thermal stability.

Guide way and ball screw

Heavy duty Roller guide ways and high precision ball screw for all axes, ensure high rigidity high accuracy output.

SPECIFICATION TABLE for MV series

SPECIFICATION		MV-850(H)	MV-1050(H)	MV-860	MV-900(H)	MV-1160(H)	MV-1270(H)	MV-1300	MV-1500
Travels	**Unit**								
Stroke X/Y/Z	mm	800x500x500(800)	1000x 500x 500(800)	860x560x600	900x700x600(900)	1100x650x600(900)	1200x700x600(900)	1300x700(800)x700	1500x800x700
Dist. From spindle face to table top	mm	120-620(920)	120-620(920)	100-700	120-720(1020)	120-720(1020)	120-720(1020)	150-850	150-850
Dist. From spindle center to column	mm	570	570	610	690	690	690	755(855)	855
Feed									
Rapid for X/Y/Z	m/min	30/30/30(48/48/48)	30/30/30(48/48/48)	30/30/30	30/30/24	30/30/24	30/30/24	20/20/20	20/20/20
Cutting feed	Mm/min	1-10000	1-10000	1-10000	1-10000	1-10000	1-10000	1-10000	1-10000
Feed motor power (X/Y/Z)	Kw	2/2/3	2/2/3	2/2/3	3/3/3	3/3/3	3/3/3	3/3/3(4.5/4.5/4.5)	4.5/4.5/4.5
Worktable									
Table size	mm	1000x500	1000x500	1000x560	1000x600	1350x650	1350x650	1400x700(1500x800)	1700x800
T-slot. W×N×P	mm	18x5x90	18x5x90	18x5x90	18x5x100	18x5x100	18x5x100	18x5x130(18x7x110)	18x7x110
Max load on table	kg	400	400	500	800	1000	1000	1300	1500
Spindle									
Spindle drive type	-	Direct/Belt	Direct/Belt	Direct/Belt	Direct/Belt	Direct/Belt	Direct/Belt	Direct/Belt	Direct/Belt
Spindle motor (30 MIN/CONT)	Kw	7.5/11	7.5/11	7.5/11	11/15	11/15	11/15	15/18.5	15/18.5
Spindle speed	rpm	10000/12000	10000/12000	10000/12000	10000/12000	10000/12000	10000/12000	10000(6000)	6000
Spindle nose taper	-	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40(BT-50)	BT-50
Accuracy									
Positioning for X/Y/Z	mm	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.01	±0.01
Repeatability for X/Y/Z	mm	±0.003	±0.003	±0.003	±0.003	±0.003	±0.003	±0.006	±0.006
Auto tool change (ATC)									
ATC type	-	Arm ATC	Arm ATC	Arm ATC	Arm ATC	Arm ATC	Arm ATC	Arm ATC	Arm ATC
Number of tools	-	24	24	24	24	24	24	24	24
Tool Dia Max/with adjacent tool empty	mm	Ø78/ Ø 120	Ø78/ Ø 120	Ø78/ Ø 120	Ø78/ Ø 120	Ø78/ Ø 120	Ø78/Ø120	Ø78/Ø120(Ø112/Ø200)	Ø112/Ø200
Tool Length Max	Mm	300	300	300	300	300	300	300	300
Tool weight Max	kg	8	8	8	8	8	8	8(15)	15
Tool to tool time	sec	2	2	2	2	2	2	2(4)	4
Others									
Power supply	Kva	20	20	20	28	28	28	35	40
Pneumatic supply	Kg/m^2	6	6	6	6	6	6	6	6
Coolant tank capacity	L	180	180	180	200	260	260	280	280
Machine weight	kg	5200	5600	5600	6800	7800	8200	9500(11000)	12000
Overall machine dimension (L×W×H)	mm	Front chip conveyor:2380×3780×2480 Rear coolant tank:2720×2450×2480	Front chip conveyor:2380×3980×2480 Rear coolant tank:2720×2650×2480	Front chip conveyor:2430×3780×2480 Rear coolant tank:2890×2570×2480	Front chip conveyor:2430×3780×2480 Rear coolant tank:2890×2570×2480	Front chip conveyor:2800×4480×2650 Rear coolant tank:3200×3350×2650	Front chip conveyor:2800×4480×2650 Rear coolant tank:3200×3350×2650	Front chip conveyor: 3650×4800×3800	Front chip conveyor: 3850×5200×3800
CONTROLLER		FANUC Oi-MF plus		MITSUBISHI M80				SIEMENS 828D	



Vertical machining center

WINNY

HM/HW horizontal machining center

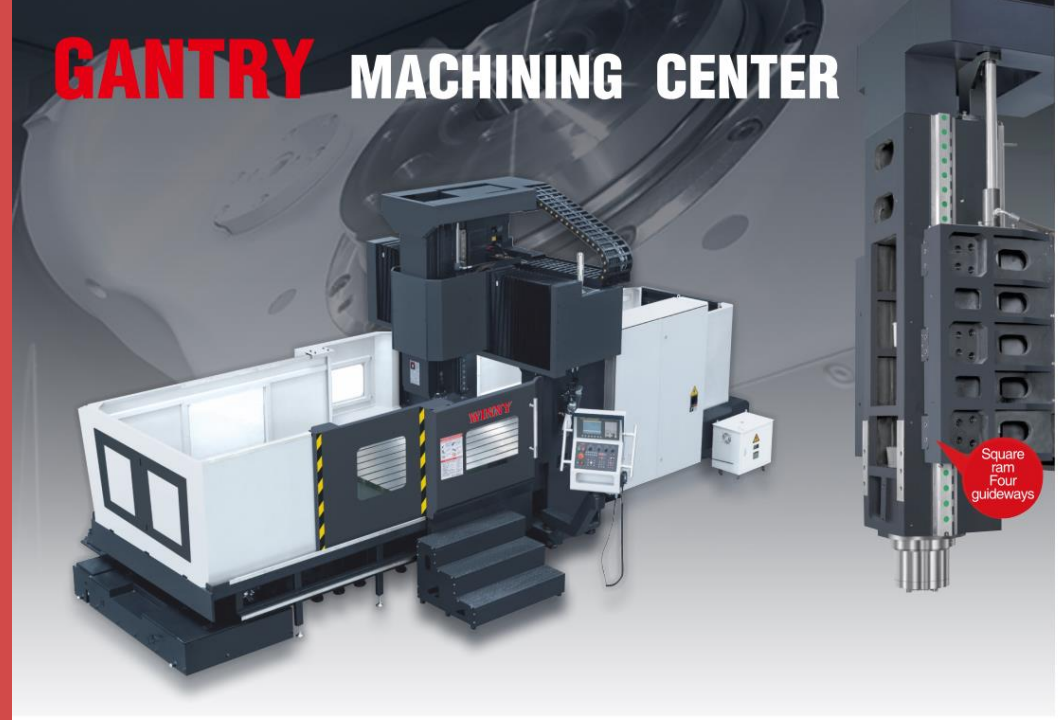
Both column moving and table moving are available, casting is ribbed for rigidity, thermally stress relieved to prevent deformation, the rigid one-piece casting is designed to yield excellent static and dynamic performance.

Equipped with a high rigid, high speed spindle, designed for a wide range of applications, maintenance friendliness, optimum job loading height, easy access to the spindle, ease of chip removal.

- ✓ **Heavy duty linear guide ways for all axes**
- ✓ **High rapids 48M for X/Y/Z.**
- ✓ **APC, Auto pallet change.**
- ✓ **BT50 Tool shank spindle**
- ✓ **24/30 tool ATC**

SPECIFICATION	UNIT	HM-630	HM-800	HM-1000	HW-630	HW-800
Table size	mm	630x700	800x800	1000x1000	630x630	800x800
Number of indexing position	-	1°x360(0.001°)	1°x360(0.001°)	1°x360(0.001°)	1°x360(0.001°)	1°x360(0.001°)
Table drive ratio	-	1:180	1:180	1:180	1:180	1:180
Max load on table	kg	1200	2000	2500	1500	2500
Spindle center to table	mm	120~870	120~1120	120~1120	50~850	-250~700
Table center to spindle face	mm	130~1030	200~1200	200~1200	0~700	220~1020
Max workpiece swing dia	mm	Ø900	Ø1830	Ø1830	Ø850	Ø1100
Longitudinal travel (X axis)	mm	1050	1600	1600	1100	1500
Headstock travel (Y axis)	mm	750	1000	1000	800	950
Cross travel (Z axis)	mm	900	1000	1000	700	800
Max spindle speed	Rpm	6000	6000	6000	6000	6000
Spindle nose	-	BT50/Ø190	BT50/Ø190	BT50/Ø190	BT50/Ø190	BT50/Ø190
Cutting feed	m/min	10~6000	10~6000	10~6000	10~10000	10~10000
Rapid travel for X Y Z	Mm/min	24000	24000	24000	24000	24000
Spindle power (30 MIN/CONT)	Kw	15/18.5	18.5/22	18.5/22	15/18.5	18.5/22
Positioning accuracy as per JIS	mm	±0.015	±0.015	±0.015	±0.015	±0.015
Repeatability as per JIS	mm	±0.01	±0.01	±0.01	±0.01	±0.01
Number of tools	-	24/30	24/30	24/30	24/30	24/30
CNC Controller	-	FANUC Oi-MF plus	FANUC Oi-MF plus	FANUC Oi-MF plus	FANUC Oi-MF plus	FANUC Oi-MF plus
Pneumatic supply	Kg/m^2	6	6	6	6	6
Power supply	Kva	50/60	50/60	50/60	50/60	50/60
Machine weight	kg	13000	18000	21000	9000	13000
Overall machine dimension(L×W×H)	mm	4670x 3200 x 3600	4700x 4100 x 3950	4760x 4250 x 4020	4080x 3700 x 3400	4080x 3700 x 3400

GANTRY MACHINING CENTER



ATC IS AVAILABLE FOR OPTIONAL

NO OF TOOLS:
24/32/40/60/120

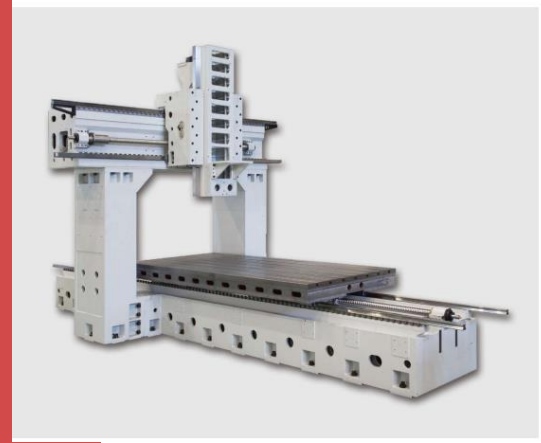
- Heavy duty roller guideways for X, Z axis.
- Square ram structure, four roller guideways for Z axis
- Pre-tension ball screw support, High precision, heavy duty
- Nitrogen Balancing system for precise Z AXIS positioning
- Stationary column ensures long-term accuracy and rigidity
- Variety of milling heads to meet various machining demand

OPTION AVAILABLE FOR

High torque gear reducer

Angular milling head

Two axes milling head

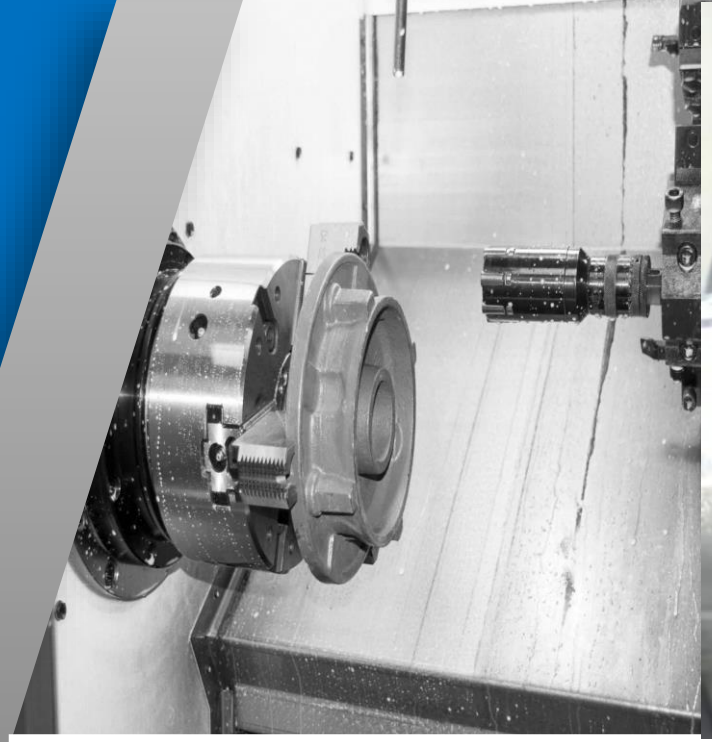


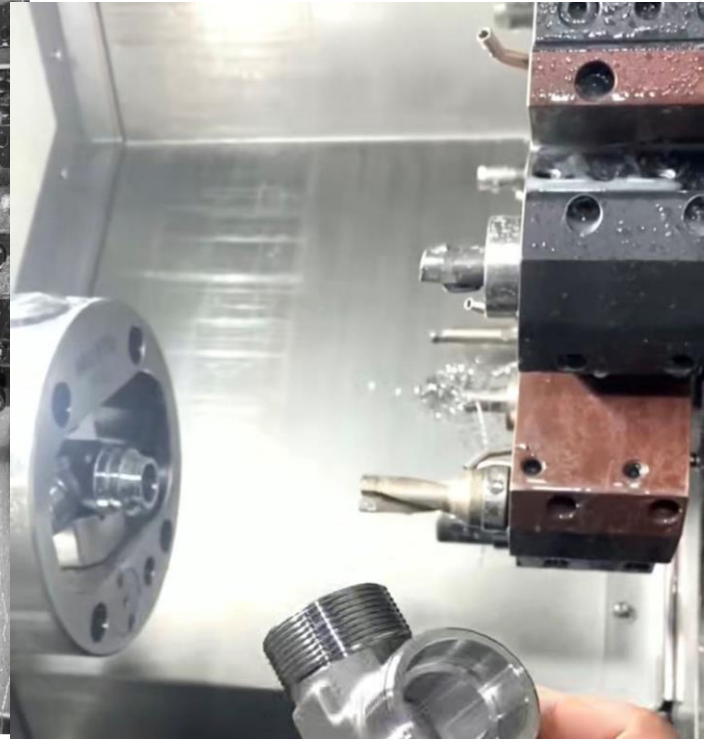
SPECIFICATION	UNIT	GMC-1613	GMC-2216	GMC-2518	GMC-3018	GMC-3022	GMC-4022	GMC-4028	GMC-6542
Axes Travel Stroke									
Stroke for X	mm	1650	2200	2600	3000	3200	4200	4000	6500
Stroke for Y	mm	1350	1600	1800	1800	2200	2200	2800	4200
Stroke for Z	mm	650	800	700	850	1000	1000	1000	1250
Dist. From spindle face to table top	mm	150-800	150-950	150-850	200-1050	200-1200	200-1200	200-1200	250-1500
Work Table									
Distance between columns	mm	1350	1650	1850	1850	2200	2200	2800	4200
Dist. From table to columns	mm	1000	1150	1250	1250	1380	1380	1385	1600
Table size	mm	1600x1100	2200x1300	2600x1600	3000x1600	3200x1800	4000x1800	4000x2100	6000x360
Max. table load	Kg	3500	4000	5000	6000	9000	10000	11000	25000
T-slot WxDxN	mm	22x180x6	22x180x7	22x180x9	22x180x9	22x180x10	22x180x10	22x180x12	22x250x13
Spindle and accuracy									
Spindle motor power	Kg	15/18.5	15/18.5	15/18.5	15/18.5	18.5/22	18.5/22	18.5/22	22/26
Spindle speed	rpm	6000	6000	6000	6000	6000	6000	6000	6000/4000
Spindle nose taper	-	BT-50	BT-50	BT-50	BT-50	BT-50	BT-50	BT-50	BT-50
Positioning accuracy	mm	±0.015	±0.015	±0.015	±0.015	±0.15	±0.15	±0.15	±0.15
Repeatability	mm	±0.008	±0.008	±0.008	±0.008	±0.012	±0.012	±0.012	±0.012
Balancing system for Z axis	-	Nitrogen balancing	Nitrogen balancing	Nitrogen balancing	Nitrogen balancing	Nitrogen balancing	Nitrogen balancing	Nitrogen balancing	Nitrogen balancing
Rapid and guideways									
Rapid travel for X/Y/ Z	m/min	18/18/18	18/18/18	18/18/18	12/15/15	12/15/15	12/15/15	12/12/12	8/10/10
Cutting feed	mm/min	10000	10000	10000	8000	8000	8000	8000	5000
Type of guideway X/Y	--	Roller type	Roller type	Roller type	Roller type	Roller type	Roller type	Roller type	Roller type
Type of guideway Z	--	Roller type	Roller type	Roller type/box type	Roller type/box type	Roller type/box type	Roller type/box type	Roller type/box type	Roller type/box type
Others									
Power supply	Kva	40	45	45	45	50	50	55	60
Pneumatic supply	Kg/m^2	6	6	6	6	6	6	6	6
Machine weight	KG	13000	18000	20000	23000	28500	33000	38000	90000
Machine Hight	mm	3600	4480	3870	3870	4800	4800	4850	5850
Machine length and width	mm	4800x4000	6500x3650	6500x3650	8000x4050	8500x4600	10500x4600	10500x5200	18000x7000

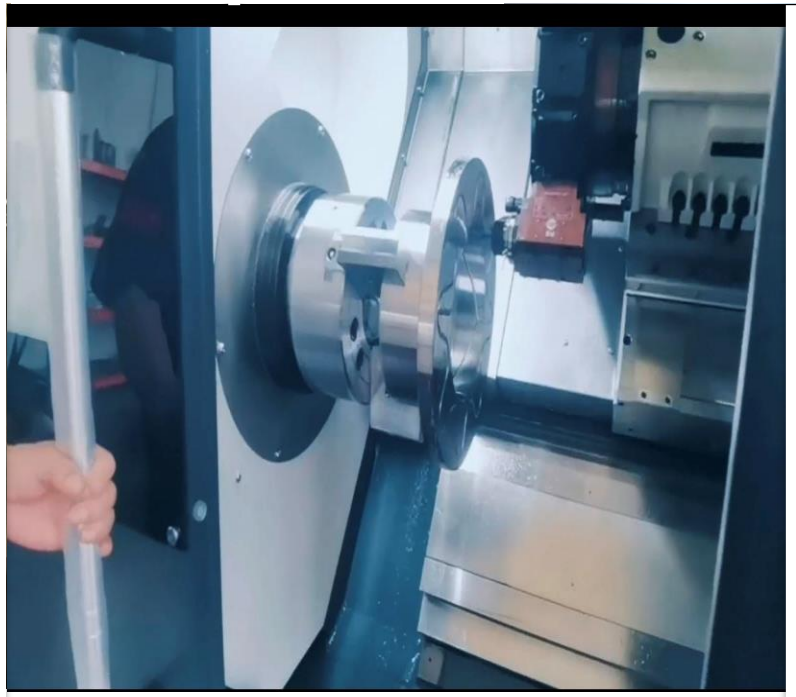
Tooled-up Solutions

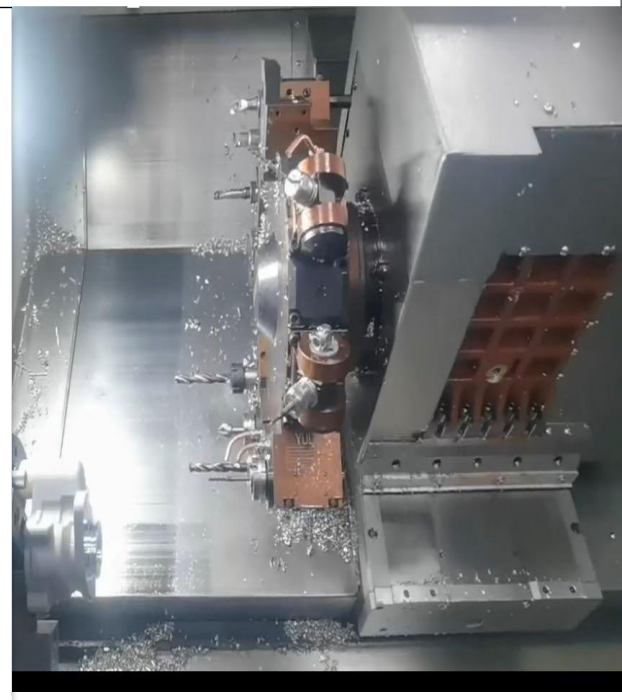
With operation needs of specific components, We offers customized solutions comprising of –

Cycle Time Estimations
Cp / Cpk evaluation
Component Trials
Tool Engineering
Process Layouts
Work Holdings









Manufacturing Facility

Spread across 2 plants with - **15000+** sqm. built-up area

Modern Manufacturing & Assembly Facility

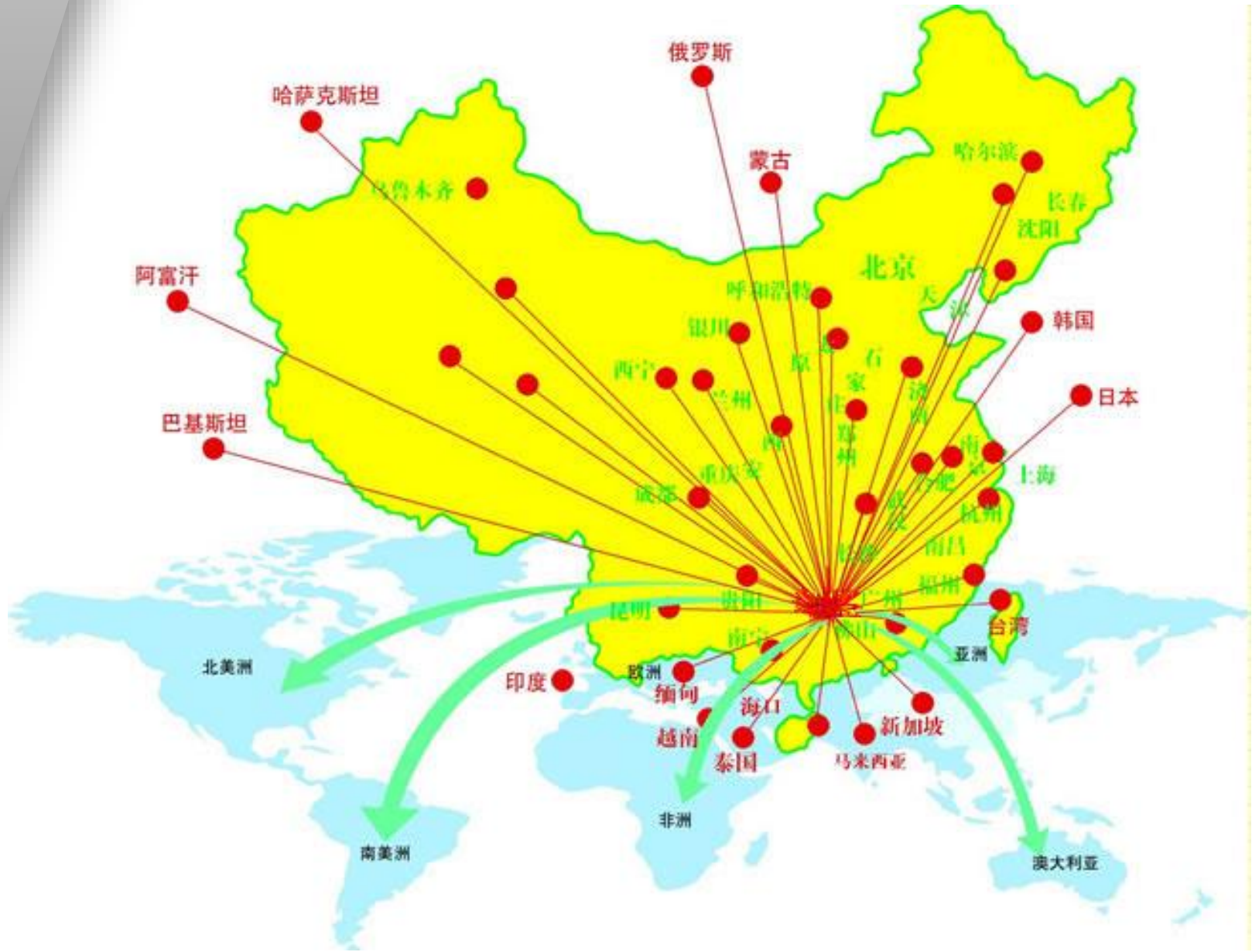
Integrated Manufacturing plant Includes **Foundry, Assembly facility, Paint Shop** and **Warehousing**.

Sales & Service

100+ Sales & Service Engineers

20000+ Installations

20+ Locations



WINNY

WINNY MACHINERY LTD.
Hangzhou Zhejiang China

Tel : +86-13681996305
+86-0571-5630-1135

Email: owenjia@winny-cnc.com