



# ***Taikan***




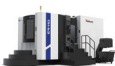








## **PRODUCT BROCHURE**

HIGH-END INTELLIGENT EQUIPMENT  
INTEGRATED SOLUTION SERVICE PROVIDER

**TAIKAN INTELLIGENT EQUIPMENT (SHENZHEN) CO., LTD.**  
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# About Us

## Company Profile

Guangdong Create Century Intelligent Equipment Group Co., Ltd.(Create Century, Stock Code: 300083) . The company is a national high-tech enterprise of intelligent equipment, integrating R&D, production, sales and service. With over 20 years of industry experience, it can provide customers with high-quality equipment and intelligent solution service. It is recognized as one of the most technologically advanced companies in the industry, offering one of the broadest and most comprehensive product portfolios among its domestic peers.

**NO.183**  
Shenzhen Top 500 Enterprises

**NO.175**  
Top 500  
Manufacturing Companies in  
Guangdong Province

**Top 100**  
Shenzhen Bao'an District

- Top 100 Taxpayers
- Top 100 Value Added
- Top 100 Output Value
- Top 100 Innovation Enterprises



# About Us

## Advantages

**5**  
Manufacturing Bases

**785,000m²**  
Factory area

**3000+**  
Employees



**Shenzhen Headquarters**  
Group Headquarters | Global Marketing Center | Technology R&D Center



**Huzhou Manufacturing Headquarters**  
Group Manufacturing HeadquartersEast China High-End CNC Machine Manufacturing Industrialization Production Base



Dongguan manufacturing base



Suzhou East China Headquarters



Yibin Manufacturing Base



Vietnam Manufacturing Base

### Main Products

Vertical Machining Center	Tapping Machining Center	Profile Machining Center
Horizontal Machining Center	Five-axis Machining Center	Gantry Machining Center
Boring Machining Center	High-speed Machining Center	CNC Lathe
Vertical Lathe	Swiss-type Lathe	Turn-Mill

### Technological Advantages

**3 Technology Research Institute**

- South China Research Institute —— Shenzhen
- East China Research Institute —— Suzhou
- Northwest Research Institute —— Xi'an

**4 Strategic Cooperation Organization**

- Shenzhen academician (expert) workstation
- Intelligent precision machining key technology engineering laboratory
- Guangdong engineering technology research center
- Shenzhen enterprise technology center

**740+ Core Patents**

- Invention Patents——109
- Utility Model Patents——529
- Design Patents——106
- Total Trademarks Obtained——154




About Us

Global support network




Create Century's sales and service network extends to more than 50 countries and regions worldwide, including Vietnam, Malaysia, South Korea, Saudi Arabia, Mexico, Argentina, Brazil, Peru, Germany, France, Turkey, and Spain. Our high-end intelligent equipment and integrated smart manufacturing solutions, proudly made in China, are gaining global recognition.


In the future, Create Century Group will establish marketing centers and production bases in Vietnam, Malaysia, Turkey and other places.




50+  
Sold to more than 50 countries




200+  
Sales & Service Centers




700+  
After-sales service staff




1 Year free warranty  
Lifetime Maintenance  
300+ sales and service staff




VIP On-Site service  
24 hours service  
The "1812" standard



Comprehensive and professional machine operation  
Maintenance training



Adequate spare parts  
Up to 10 minutes response time for repairs  
Low cost out-of-warranty maintenance



Complete acceptance and testing to ensure product quality



# VERTICAL MACHINING CENTER

S Series | H Series | M Series | W Series | T-V Series  
T Series | L Series | DT Series

TAIKAN Vertical Machining Centers – The Benchmark for Efficiency in Global Smart Manufacturing

With over 10,000 units sold annually worldwide, TAIKAN Vertical Machining Centers offer 9 major series and a machining range from 600mm to 2000mm, catering to diverse processing needs. Serving leading global companies in the new energy vehicle sector, 5G base station suppliers, and more.

TAIKAN Vertical Machining Centers are widely used in industries such as precision parts, 3C products, hardware, automotive components, medical devices, and precision molds. They are especially well-suited for machining complex parts including small to medium-sized housings, plates, discs, valves, and other intricate components.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT

S  
Series

Standard Edition with Three Linear Guide Rails  
Vertical Machining Center

High speed and high efficiency — A classic masterpiece

Product features

- The tool magazine is controlled by encoders and frequency converters, allowing for quicker and more precise tool changes. The tool magazine can enter the tool changing state in advance, thereby saving time during tool changes.
- Customers have the flexibility to choose from a range of operating systems, transmission mode, as well as various speeds, powers, and core component brands, allowing for a comprehensive satisfaction of their specific needs.
- The machine tool's five major components are manufactured using premium resin sand molding and high-strength cast iron materials, resulting in vibration-free and distortion-free high-speed cutting operations, while maintaining a stable level of precision.



Item	Unit	T-V855S	T-V856S	T-V857S	T-V1055S	T-V1165S	T-V1265S	T-V1270S
Table Size	mm	1,000×500	1,000×500	1,000×500	1,100×500	1,200×600	1,300×650	1,300×650
X/Y/Z axis travel	mm	800/500/550	800/550/600	800/550/700	1,000/550/600	1,100/650/600	1,200/650/600	1,200/700/700
Spindle speed	r/min	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000
Spindle taper	/	BBT40	BBT40	BBT40	BBT40	BBT40	BBT40	BBT40
Tool capacity	PCS	24	24	24	24	24	24	24

All pictures and parameter configurations in this album are for reference only. The products delivered shall prevail. Our products are being constantly upgraded, and the above information is subject to change without prior notice.

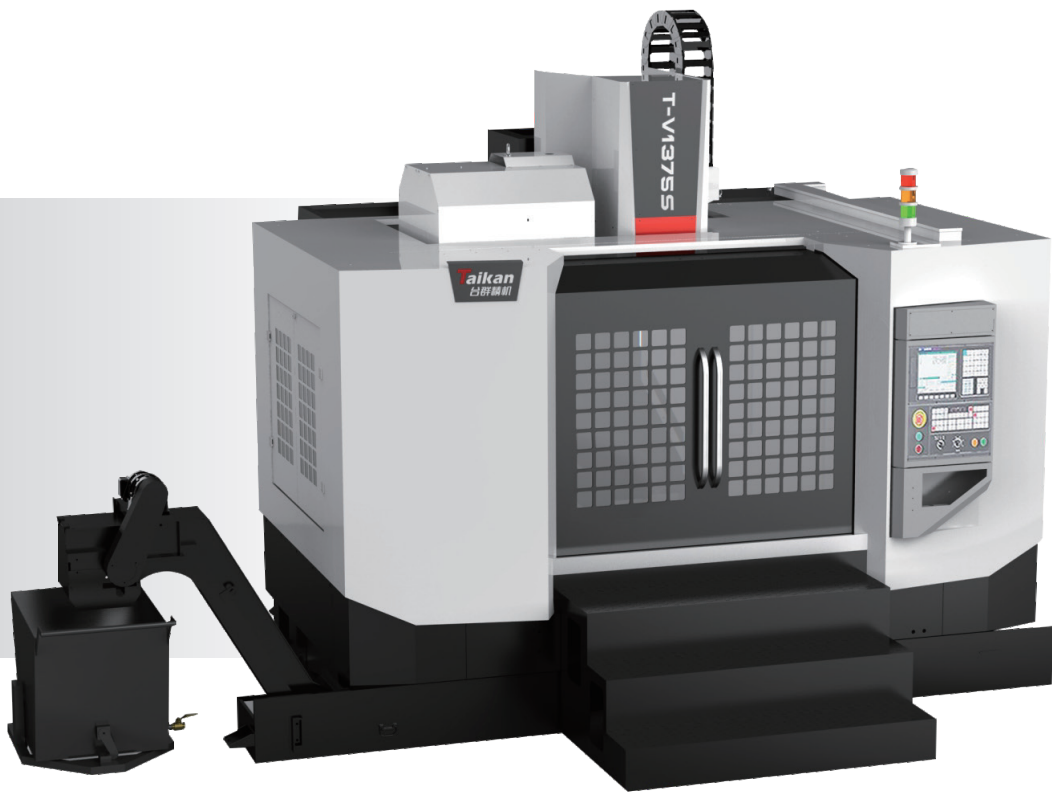
S  
Series

Standard Edition with Three Linear Guide Rails  
Vertical Machining Center

High speed and high efficiency — A classic masterpiece

Product features

- High-rigidity belt spindle for high precision and efficiency.
- A well-designed machine structure ensures rigid machining performance.
- Three-axis ball screw and roller linear guide rail guarantee high-precision and stable operation of the machine tool.



Item	Unit	T-V1370S	T-V1375S	T-V1475S	T-V1585S	T-V1685S
Table Size	mm	1,400×700	1,500×750	1,500×750	1,700×850	1,700×850
X/Y/Z axis travel	mm	1,300/700/650	1,350/750/750	1,400/750/750	1,550/850/850	1,650/850/850
Spindle speed	r/min	Belt 6,000	Belt 6,000	Belt 6,000	Belt 6,000	Belt 6,000
Spindle taper	/	BT50	BT50	BT50	BT50	BT50
Tool capacity	PCS	24	24	24	24	24

H  
Series

Advanced Edition with Three Linear  
Vertical Machining Center

High speed and high precision — A testament to exquisite craftsmanship

Product features

- Faster and more precise tool change savestime.
- Suitable for the machining of workpieces with high precision requirements and moderate chip volume.



Item	Unit	T-V856H	T-V1165H
Table Size	mm	1,000×500	1,200×600
X/Y/Z axis travel	mm	800/550/600	1,100/650/600
Spindle speed	r/min	Direct coupling 12,000	Direct coupling 12,000
Spindle taper	/	BBT40	BBT40
Tool capacity	PCS	24	24

M  
Series

Excellent Rigidity  
Vertical Machining Center

High speed and high rigidity — A masterpiece for heavy-duty cutting operations

Product features

- A design featuring an exceptionally massive and robust base structure, impeccable rigidity and stability.
- Belt-driven 8000 RPM spindle offering high cutting rigidity.



Item	Unit	T-V850M	T-V1055M	T-V1165M	T-V1370M
Table Size	mm	1,000×550	1,100×550	1,200×650	1,400×700
X/Y/Z axis travel	mm	850/550/550	1,020/550/500	1,100/650/600	1,300/700/700
Spindle speed	r/min	Belt 8,000	Belt 8,000	Belt 8,000	Belt 8,000
Spindle taper	/	BT40	BT40	BT40	BT40
Tool capacity	PCS	24	24	24	24

W  
Series

High precision and High efficiency  
Wheel Hub Machining Center

High speed, high efficiency and specialized — A specialized masterpiece

Product features

- In comparison to conventional machining methods, the wheel hub machine boasts enhanced efficiency and broader adaptability. It delivers the required machining precision for wheel hubs and other high-precision components.
- Customers have the flexibility to choose from a range of operating systems, transmission modes, as well as various speeds, powers, and core component brands, allowing for a comprehensive satisfaction of their specific needs.
- The wheel hub machine offers a wide range of functionalities, including machining, chip removal, positioning, and material handling. Its versatility allows for the processing of wheel hubs across different sizes.



Item	Unit	T-V870W	T-V1285W
Table Size	mm	1,000×650	1,300×850
X/Y/Z axis travel	mm	850/720/650	1,200/850/700
Spindle speed	r/min	Direct coupling 12,000	Direct coupling 12,000
Spindle taper	/	BT40	BT40
Tool capacity	PCS	24	24



T-V  
Series

Light Cutting  
Machining Center

High speed and light & fast cutting — A masterpiece of high efficiency

Product features

- The specification of X-axis ranges from 600 mm to 2000 mm, ensuring versatility across multiple machine models to cater to a wide range of requirements.



Item	Unit	T-V6	T-V16	T-V18	T-V20
Table Size	mm	700×400	1,700×650	1,900×650	2,000×650
X/Y/Z axis travel	mm	600/390/450	1,600/650/590	1,800/650/590	2,000/650/590
Spindle speed	r/min	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000	Direct coupling 12,000
Spindle taper	/	BT40	BT40	BT40	BT40
Tool capacity	PCS	24	24	24	24

T  
Series

Three Box-way Design  
Vertical Machining Center

High precision and high efficiency — An outstanding masterpiece



Item	Unit	T-8	T-10	T-12	T-15	T-18
Table Size	mm	1,050×500	1,300×600	1,300×700	1,700×800	2,000×900
X/Y/Z axis travel	mm	800/500/500	1,000/600/600	1,200/700/600	1,500/800/700	1,800/900/680
Spindle speed	r/min	Belt 8,000	Belt 8,000	Belt 8,000	Belt 6,000	Belt 6,000
Spindle taper	/	BT40	BT40	BT40	BT50	BT50
Tool capacity	PCS	/	/	/	/	/

Two Linear and One Box-way Design  
Vertical Machining Center

High precision and high efficiency — An outstanding masterpiece

Product features

- XY axis linear guide rails and Z axis box guideway combine high speed and high rigidity.
- Equipped with a belt spindle, it has excellent heavy-duty cutting performance.



Item	Unit	T-856L	T-1060L	T-1260L	T-1375L	T-1475L	T-1585L	T-1685L
Table Size	mm	1,000×500	1,200×600	1,300×600	1,500×750	1,500×750	1,700×850	1,700×850
X/Y/Z axis travel	mm	800/500/600	1,050/600/570	1,200/600/570	1,350/750/750	1,400/750/750	1,550/850/850	1,650/850/850
Spindle speed	r/min	Belt 8,000	Belt 8,000	Belt 8,000	Belt 6,000	Belt 6,000	Belt 6,000	Belt 6,000
Spindle taper	/	BT40	BT40	BT40	BT50	BT50	BT50	BT50
Tool capacity	PCS	24	24	24	24	24	24	24

Two Linear and One Box-way Design  
Vertical Machining Center

High precision and high efficiency — An outstanding masterpiece

Product features

- XY axis linear guide rails and Z axis box guideway combine high speed and high rigidity.
- Equipped with a belt spindle, it has excellent heavy-duty cutting performance.



Item	Unit	T-850LM	T-1165LM
Table Size	mm	1,000×500	1,200×650
X/Y/Z axis travel	mm	850/550/550	1,100/650/600
Spindle speed	r/min	Belt 8,000	Belt 8,000
Spindle taper	/	BT40	BT40
Tool capacity	PCS	24	24

DT

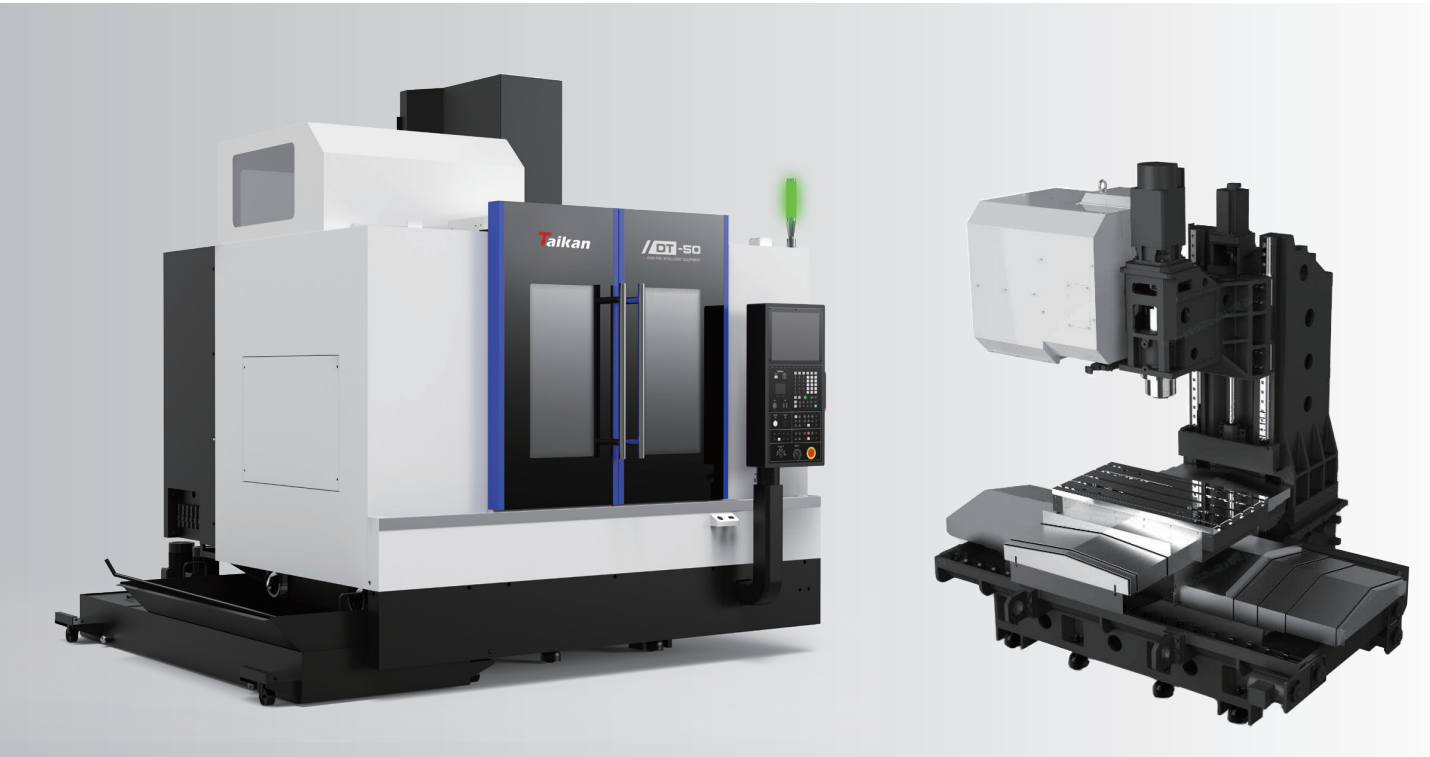
Series

High rigidity and High efficiency  
Vertical Machining Center

High speed, high efficiency and high precision

Product features

- Extra large base design enables stable cutting for long time.
- Quick tool change and high-speed cutting enable high productivity.



Item	Unit	DT50	DT55
Table Size	mm	1,100×450	1,200×500
X/Y/Z axis travel	mm	850/500/500	1050/550/550
Spindle speed	r/min	Direct coupling 12,000	Direct coupling 12,000
Spindle taper	/	BBT40	BBT40
Tool capacity	PCS	30	30

# TAPPING MACHINING CENTER

B Series | T Series | S Series

Tapping Machining Center is high precision CNC machine integrating drilling, tapping, and milling operations. It performs multiple operations on a single machine and is widely used in aerospace, automotive, electronics, and mold industries.

With its high precision, high speed and high rigidity, over 100,000 machines in this series have been delivered worldwide. They serve leading global consumer electronics companies, helping China's consumer electronics industry sustain its competitive edge worldwide.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT



B

Series

Tapping Machining Center

High speed, high efficiency and high precision

Product features

- The machine has various specifications with X-axis travel from 500mm to 2,000mm, which can meet various machining requirements.
- Equipped with direct-spindle and motorized spindle options, with maximum speeds of 12,000rpm, 2,0000rpm, and 24,000rpm.
- 21T/26T/30T/40T tool magazine options improve tool handling capabilities and promote process intensiveness.
- It is particularly good at 3C (computer, communication, and consumer electronics) parts processing, and is also widely used in milling, drilling, and tapping processing of parts in various industries.



Item	Unit	T-500B	T-500BH	T-500B Plus	T-600B	T-700B
Table Size	mm	620×400	620×400	620×400	700×400	800×400
X/Y/Z axis travel	mm	500/400/320	500/400/460	500/400/320	600/390/320	700/400/320
Spindle speed	r/min	20-24,000	20-24,000	20-20,000	20-20,000	20-20,000
Spindle taper	/	BT30	BT30	BT30	BT30	BT30
Tool capacity	PCS	21	21	21	21	21
X/Y/Z axis rapid traverse speed	m/min	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48

T

Series

Tapping Machining Center

High speed, high efficiency and high precision



Item	Unit	T-1000	T-1200	T-1300	T-1600	T-1800	T-2000
Table Size	mm	1,200×600	1,300×650	1,300×650	1,700×650	1,900×650	2,000×650
X/Y/Z axis travel	mm	1,100/650/410	1,200/650/410	1,300/650/410	1,600/650/475	1,800/650/475	2,000/650/475
Spindle speed	r/min	20-20,000	20-20,000	20-20,000	20-20,000	20-20,000	20-20,000
Spindle taper	/	BT30	BT30	BT30	BT30	BT30	BT30
Tool capacity	PCS	21	21	21	21	21	21
X/Y/Z axis rapid traverse speed	m/min	36/36/36	36/36/36	36/36/36	30/36/36	30/36/36	27/36/36

S  
Series

Tapping Machining Center

Unmatched value for money exceptional stability high reliability



Item	Unit	T-500S	T-600S	T-700S	T-800S	T-1000S	T-1200S	T-1600S
Table Size	mm	620×400	700×400	800×400	1,000×500	1,100×500	1,300×550	1,700×550
X/Y/Z axis travel	mm	500/400/320	600/400/320	700/400/320	800/500/450	1,000/500/450	1,200/550/450	1,600/550/450
Spindle speed	r/min	20-24,000	20-24,000	20-24,000	20-20,000	20-20,000	20-20,000	20-20,000
Spindle taper	/	BT30	BT30	BT30	BT30	BT30	BT30	BBT30
Tool capacity	PCS	21	21	21	21	21	21	21
X/Y/Z axis rapid traverse speed	m/min	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	36/36/36	30/36/36

# PROFILE MACHINING CENTER

T Series | G Series | Multi-Axis Series

TAIKAN Profile Machining Center Series — Efficient and Flexible Profile Machining Solutions  
Profile Machining Center is a type of CNC machine tool specifically designed for processing various profiles (such as aluminum profiles, steel profiles, stainless steel profiles, etc.). It integrates automation, CNC technology, and machining techniques to efficiently complete tasks like cutting, milling, drilling, tapping, and more.

These centers are widely used in industries such as construction, doors and windows, furniture, electronics, aerospace, and more.

  
HIGH SPEED

  
HIGH PRECISION

  
HIGH EFFICIENCY

  
INTELLIGENT

T  
Series

Gantry-type  
Profile Machining Center

BT30 (Tilt-disc tool magazine) / BT40 (Disc type magazine)

Product features

• Fixed table, column-moving structure; equipped with a BT30 direct-drive spindle and 21T tilt-disc tool magazine, enabling high-speed tool change.

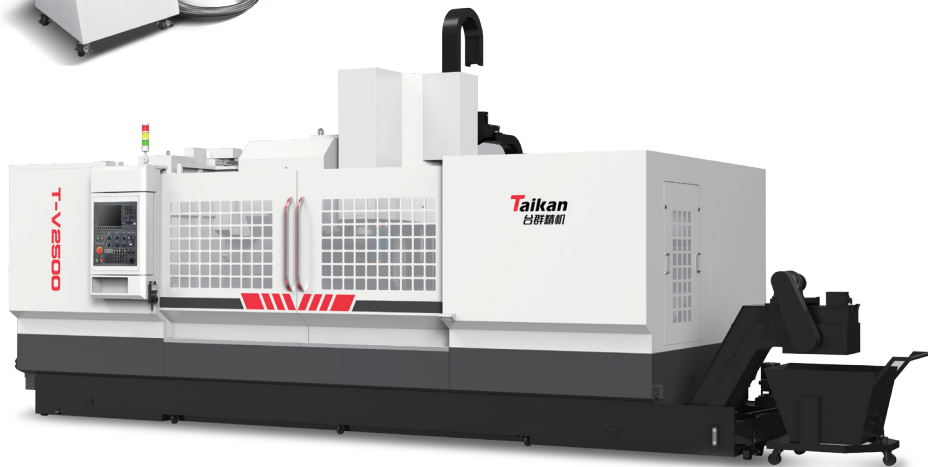
• With a maximum X-axis travel of 6,500 mm and a rapid traverse speed of up to 50 m/min, this machine is designed for processing large, narrow, and long workpieces.

• The X-axis can be optionally driven by either a rack-and-pinion or a ball screw drive.

• Fixed table, column-moving structure; equipped with a BT40 direct-drive spindle and 24T disc tool magazine.

• With a maximum X-axis travel of 6,500 mm and a rapid traverse speed of up to 50 m/min, this machine is designed for processing large, narrow, and long workpieces.

• The X-axis can be optionally driven by either a rack-and-pinion or a ball screw drive.



Item	Unit	T-2500	T-4500	T-6500
Table Size	mm	2,500×400	4,500×400	6,500×400
X/Y/Z axis travel	mm	2,500/400/350	4,500/400/350	6,500/400/350
Max. spindle speed	r/min	12,000	12,000	12,000
Spindle taper	/	BT30	BT30	BT30
Tool capacity	PCS	21	21	21
X/Y/Z axis rapid traverse speed	m/min	50/30/36	50/30/36	50/30/36
Item	Unit	T-V2500	T-V4500	T-V6500
Table Size	mm	2,500×550	4,500×550	6,500×550
X/Y/Z axis travel	mm	2,500/550/550	4,500/550/550	6,500/550/550
Max. spindle speed	r/min	12,000	12,000	12,000
Spindle taper	/	BT40	BT40	BT40
Tool capacity	PCS	24	24	24
X/Y/Z axis rapid traverse speed	m/min	50/28/28	50/28/28	50/28/28

G  
Series

Gantry-type  
Profile Machining Center

High speed, high efficiency and excellent cost performance

Product features

• Lightweight dynamic gantry design, rapid response speed, wide machining range, high machining efficiency

• Applied to the processing of large flat parts such as new energy vehicle battery tray assembly.



Item	Unit	G-M2015L	G-M2518L	G-M2030L
Table Size	mm	1,500×2,000	1,800×2,500	2,000×3,000
X/Y/Z axis travel	mm	1,500/2,000/500	1,800/2,500/500	3,000/2,000/600
Max. spindle speed	r/min	12,000	12,000	12,000
Spindle taper	/	BT40	BT40	BT40
Tool capacity	PCS	20	24	24
X/Y/Z axis rapid traverse speed	m/min	36/36/36	36/36/36	40/30/30



# Multi-Axis Series

## Gantry-type Profile Machining Center

With 4-axis and with 5-axis



Item	Unit	T-VB2500	G-M2030U
Table Size	mm	2,500×550	2,000×3,000
X/Y/Z axis travel	mm	2,500/550/700	3,000/2,000/800
A/B/C axis travel	°	B: ±90	A: ±110/C: ±180
Max. spindle speed	r/min	15,000	20,000
Spindle taper	/	BT40	HSK-A63
Tool capacity	PCS	24	24
X/Y/Z axis rapid traverse speed	m/min	20/28/20	40/30/30

# HORIZONTAL MACHINING CENTER

T-H Series | DH Series | HQ Series | DHS Series

TAIKAN Horizontal Machining Center series includes the T-H small Series , DH double-table Series , and DHS large single-table Series , capable of handling workpieces up to φ2000mm. The machines offer a variety of structural designs, turntable configurations, spindle options, and personalized configurations, making them suitable for multi-variety, small-batch, and large-batch production.

The series is widely used in industries such as automotive, gearbox, engine housings, and other box-type part machining, and is compatible with materials like aluminum alloys, cast iron, and steel.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



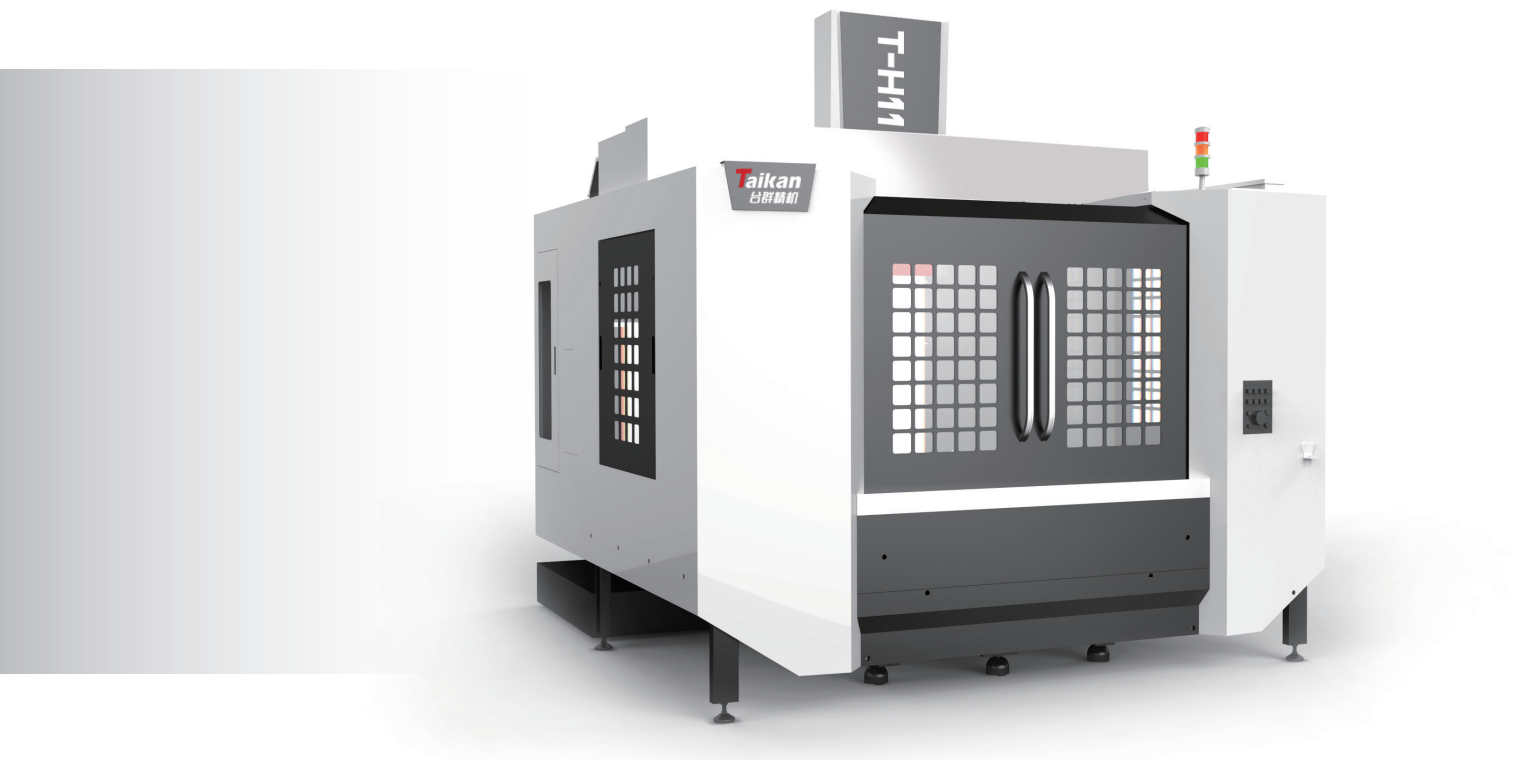
INTELLIGENT

T-H  
Series

Horizontal Machining Center

Product features

- Column-fixed cross slide structure, compact and fast.



Item	Unit	T-H8	T-H11	T-H13
Table Size	mm	400×400	500×500	630×630
X/Y/Z three-axis travel	mm	800/650/650	1,100/600/650	1,350/850/750
Max. workpiece rotation diameter	min	Ø900	Ø12,00	Ø1,450
Max. spindle speed	r/min	12,000(Direct coupling)	12,000(Direct coupling)	6,000(Belt)
Spindle taper	/	BT40	BT40	BT50
Tool capacity	PCS	24	24	24

DH  
Series

Double Pallets Switching/Horizontal Machining Center

Product features

- High-precision cam rotary table.
- Large capacity tool magazine.
- High speed and high rigidity motorized spindle.



Item	Unit	DH-50	DH-63
Table Size	mm	500×500	630×630
X/Y/Z three-axis travel	mm	750/700/750	1,050/800/1,000
Max. workpiece size	min	Ø650×900	Ø1,000×1,000
Max. spindle speed	r/min	1,5000	1,0000
Spindle taper	/	BBT40	BT50
Tool capacity	PCS	60	60

Double Pallets Switching/Horizontal Machining Center

Product features

- High-precision cam rotary table.
- Large capacity tool magazine.
- High speed and high rigidity motorized spindle.



Item	Unit	HQ5	HQ6
Table Size	mm	500×500	630×630
X/Y/Z three-axis travel	mm	750/750/800	900/900/1050
Max. workpiece size	mm	Ø850×1,000	Ø1,000×1,300
Max. spindle speed	r/min	15,000	10,000
Spindle taper	/	HSK-A63	HSK-A100
Tool capacity	PCS	40	60

Single Worktable/Horizontal Machining Center

Product features

- High rigidity inverted T-type column-moving structure with a spacious machining area design, ideal for multi-sided machining of large box-type components.



Item	Unit	DH-100S
Table Size	mm	1,000×1,250
X/Y/Z three-axis travel	mm	2,000/1,300/1,200
Max. workpiece size	mm	Ø2,000×1,800
Max. spindle speed	r/min	10,000
Spindle taper	/	BT50
Tool capacity	PCS	40



# FIVE-AXIS MACHINING CENTER

V-U Series | FH Series | G-VU Series | G-BU Series

TAIKAN Five-Axis Machining Center: Precision Solutions for High-End Industries

With a high-rigidity structure, multi-dimensional configuration options, optimized core components, and advanced precision control technology, TAIKAN Five-axis machining centers

provide comprehensive precision machining solutions for industries such as aerospace, medical devices, and automotive manufacturing. Covering vertical, horizontal, mill-turn, and gantry-type models, the series supports worktable diameters ranging from  $\Phi 180\text{mm}$  to  $\Phi 1800\text{mm}$  and beyond, enabling one-stop machining for both small precision parts and large complex workpieces.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT

**V-U**  
Series

## Vertical Five-axis Machining Center

### Product features

- V-200U/V-400U: O-shaped fixed beam gantry structure with a direct-drive single-arm rotary table and a high-speed motorized spindle, ideal for machining small, intricate workpieces or spatial curved surfaces.
- V-500U/V-650U/V-800U: Crane-type moving beam structure with a direct-drive cradle rotary table, equipped with a high-speed electric spindle, suitable for machining general intricate workpieces or spatial curved surfaces.

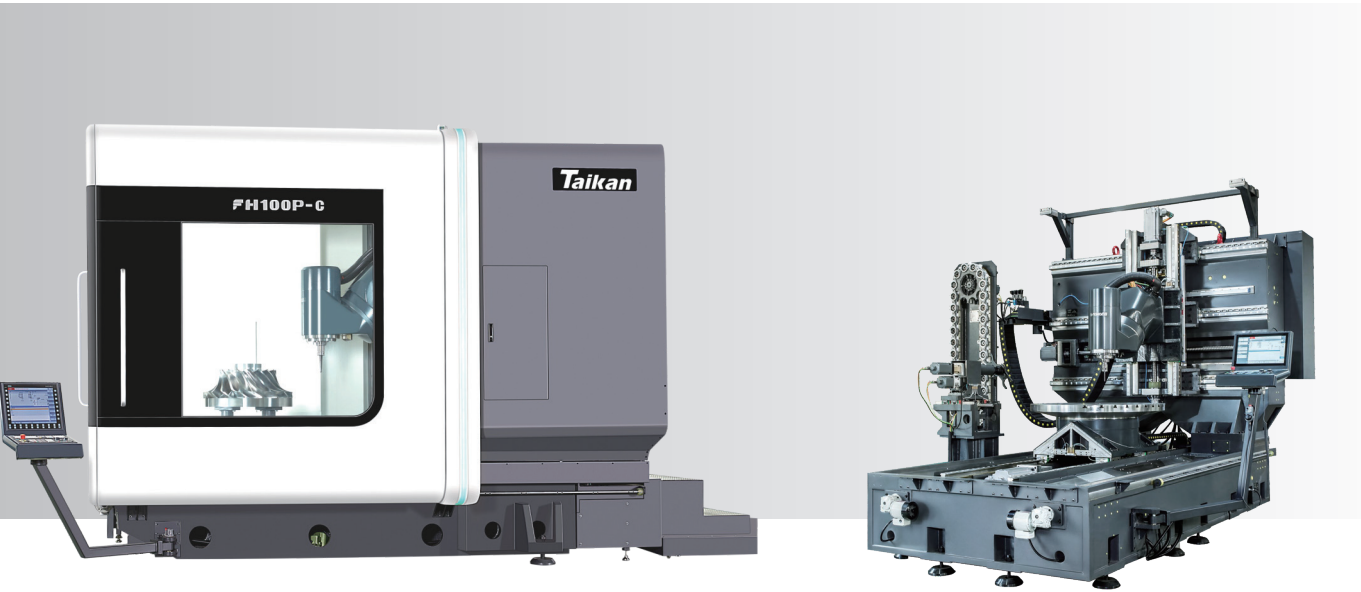


Item	Unit	V-200U	V-400U	V-500U	V-650U	V-800U
Table size	mm	$\Phi 260$	$\Phi 420$	$\Phi 500 \times 445$	$\Phi 650 \times 530$	$\Phi 800 \times 630$
X/Y/Z axis travel	mm	500/280/300	700/450/400	500/650/450	650/800/500	850/900/580
A/B/C axis travel	°	A: +30~-110/C: 360	A: +30~-110/C: 360	A: $\pm 120$ /C: 360	A: $\pm 120$ /C: 360	A: $\pm 120$ /C: 360
Max. spindle speed	r/min	30,000	24,000	20,000	18,000	16,000
Spindle power	kW	11	16	20	30	30
Spindle taper	/	HSK-E40	HSK-E50	HSK-A63	HSK-A63	HSK-A63
Control system	/	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE
Tool capacity	PCS	30	24	32	40	40

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Product features

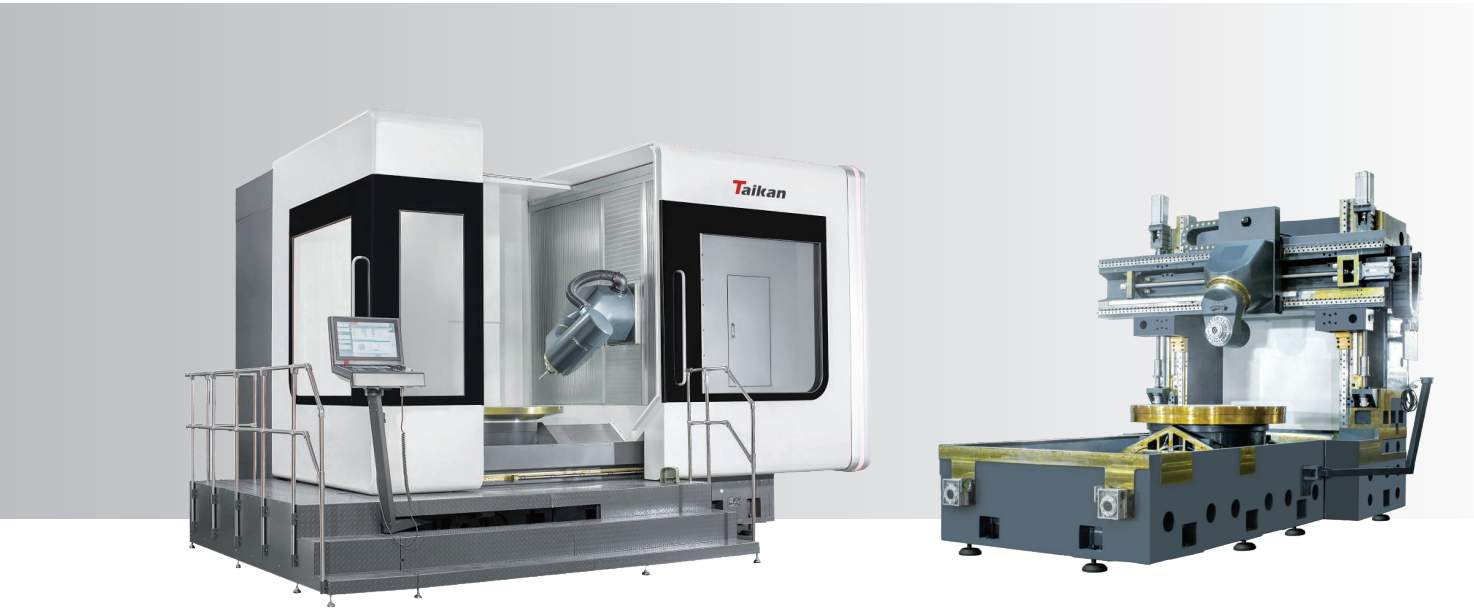
- Marble material bed structure, with minimal temperature fluctuation impact and excellent vibration damping properties.
- Direct-drive B-axis swivel head, equipped with a high-torque spindle that allows for vertical and horizontal conversion, capable of side, top, inclined surface, and five-axis simultaneous machining.
- Direct-drive C-axis rotary table, capable of performing both milling and turning operations in a single setup.



Item	Unit	FH60P-C	FH80P-C	FH100P-C	FH135P-C	FH160P-C
Table size	mm	Ø660	Ø880	Ø1,100	Ø1,400	Ø1600
X/Y/Z axis travel	mm	600/800/600	800/1,050/800	1,000/1,150/1,000	1,450/1,450/1,110	1,600/1,600/1,350
A/B/C axis travel	°	B: -30~180/C: 360	B: -30~180/C: 360	B: -30~180/C: 360	B: -30~180/C: 360	B: -30~180/C: 360
Max. spindle speed	r/min	12,000	12,000	12,000	12,000	12,000
Spindle power	kW	54/54	54/54	48/71	48/71	48/71
Spindle taper	/	HSK-A63	HSK-A63	HSK-A100	HSK-A100	HSK-A100
Control system	/	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE
Tool capacity	PCS	40	40	40	40	40

Product features

- Marble material bed structure, with minimal temperature fluctuation impact and excellent vibration damping properties.
- Direct-drive B-axis swivel head, equipped with a high-torque spindle that allows for vertical and horizontal conversion, capable of side, top, inclined surface, and five-axis simultaneous machining.
- Direct-drive C-axis rotary table, capable of performing both milling and turning operations in a single setup.



Item	Unit	FH170P-C	FH210P-C	FH270P-C	FH340P-C
Table size	mm	Ø1,700	Ø1,800	Ø2,200	Ø2,600
X/Y/Z axis travel	mm	1,700/1,700/1,600	2,100/2,100/1,300	2,700/2,700/1,600	3,400/3,400/1,600
A/B/C axis travel	°	B: -30~180/C:360	B: -30~180/C:360	B: -30~180/C:360	B: -30~180/C:360
Max. spindle speed	r/min	12,000	12,000	12,000	12,000
Spindle power	kW	48/71	48/71	48/71	48/71
Spindle taper	/	HSK-A100	HSK-A100	HSK-A100	HSK-A100
Control system	/	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE	Siemens Sinumerik ONE
Tool capacity	PCS	40	40	40	40

Product features

- Movable worktable design with fixed column and crossbeam; X, Y, and Z axis all use linear guides.
- Standardly equipped with a direct-drive AC rotary head, and Siemens ONE system.



Item	Unit	G-VU1220	G-VU1530	G-VU2030 / VU2040 / VU2050	G-VU2540 / VU2550 / VU2560
X-axis travel	mm	2,150	3,200	3,200/4,200/5,200	4,200/5,200/6,200
Y-axis travel	mm	2,000	2,700	2,700	3,200
Z-axis travel	mm	800	1,000	1,000	1,000
A/B/C axis travel	°	A: ±110/C: ±360	A: ±110/C: ±360	A: ±110/C: ±360	A: ±110/C: ±360
Effective width between columns	mm	1,600	2,450	2,450	2,950
Worktable width	mm	1,250	1,500	2,000	2,500
Worktable length	mm	2,000	3,000	3,000/4,000/5,000	4,000/5,000/6,000
Spindle taper	/	HSK-A63	HSK-A63	HSK-A63	HSK-A63
Max. spindle speed	r/min	20,000	18,000	18,000	18,000
Spindle motor power	kW	20	30	30	30
Spindle output torque	N.m	35/42	72/85	72/85	72/85

Product features

- Fixed table design with the crossbeam moving along wall-type columns on both sides; the X, Y, and Z axis are all linear guides.
- Standardly equipped with a direct-drive AC cross-type rotary head, and Siemens ONE system.



Item	Unit	G-BU2030 / BU2040	G-BU2540 / BU2560	G-BU3060
X-axis travel	mm	3,200/4,200	4,200/6,200	6,200
Y-axis travel	mm	2,200	2,700	3,200
Z-axis travel	mm	1,000	1,000	1,000
A/B/C axis travel	°	A: ±110/C: ±360	A: ±110/C: ±360	A: ±110/C: ±360
Effective width between columns	mm	3,200	3,700	4,200
Worktable width	mm	2,000	2,500	3,000
Worktable length	mm	3,000/4,000	4,000/6,000	6,000
Spindle taper	/	HSK-A63	HSK-A63	HSK-A63
Max. spindle speed	r/min	18,000	18,000	18,000
Spindle motor power	kW	30	30	30
Spindle output torque	N.m	72/85	72/85	72/85



# GANTRY MACHINING CENTER

G-V Series | G-R Series | G-Z Series | G-M Series

TAIKAN Gantry Machining Center Series: Precision, Efficiency, Innovation.

The TAIKAN Gantry Machining Center Series excels in precision, efficiency, and stability, serving industries like mold manufacturing, aerospace, automotive, and rail transit.

With advanced structural design, diverse configurations, and powerful machining capabilities, it offers seven series, covering high-rigidity three-axis and complex five-axis machining to meet various production needs.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT

**G-V**  
Series

## Three linear Guide Gantry Machining Center

Direct-connected spindle model

### Product features

- Movable worktable design with fixed column and crossbeam; X, Y, and Z axis all use linear guides.
- Standard equipped with high-speed direct-connected spindles.



Item	Unit	G-V1220D / V1225D / V1230D	G-V1630D
X-axis travel	mm	2,100/2,600/3,150	3,150
Y-axis travel	mm	1,500+25 (Tool change travel)	1,800
Z-axis travel	mm	700	700
Effective width between columns	mm	1,560	1,800
Worktable width	mm	1,250	1,600
Worktable length	mm	2,000/2,500/3,000	3,000
Spindle taper	/	BT40	BT40
Max. spindle speed	r/min	12,000 (Direct coupling)	12,000 (Direct coupling)
Spindle power	kW	11/15	11/15
Spindle output torque	N.m	52.5/95.5	52.5/95.5

G-V

Series

Three linear Guide  
Gantry Machining Center

Belt spindle model

Product features

- Movable worktable design with fixed column and crossbeam; X, Y, and Z axis all use linear guides.
- Optionally, the Z-axis can be equipped with T-type ram box guideway.
- Standard equipped with belt driven spindle.



Item	Unit	G-V1018A	G-V1220A / V1225A / V1230A	G-V1630A
X-axis travel	mm	1,800	2,150/2,650/3,200	3,200
Y-axis travel	mm	1,100+100 (Tool change travel)	1,500+25 (Tool change travel)	1,800
Z-axis travel	mm	800	800	800
Effective width between columns	mm	1,160	1,560	1,800
Worktable width	mm	1,000	1,250	1,600
Worktable length	mm	1,800	2,000/2,500/3,000	3,000
Spindle taper	/	BT50	BT50	BT50
Max. spindle speed	r/min	6,000	6,000	6,000
Spindle power	kW	15/18.5	15/18.5	15/18.5
Spindle output torque	N.m	191/315	191/315	191/315

G-V

Series

Three linear Guide  
Gantry Machining Center

Gear spindle model

Product features

- Movable worktable design with fixed column and crossbeam; X, Y, and Z axis all use linear guides.
- Optionally, the Z-axis can be equipped with T-type ram box guideway.
- Standard equipped with gear transmission spindle.



Item	Unit	G-V1520B / V1530B / V1540B	G-V2030B / V2040B / V2050B / V2060B
X-axis travel	mm	2,200/3,200/4,200	3,200/4,200/5,200/6,200
Y-axis travel	mm	2,200	2,700
Z-axis travel	mm	1,000	1,000
Effective width between columns	mm	1,950	2,450
Worktable width	mm	1,500	2,000
Worktable length	mm	2,000/3,000/4,000	3,000/4,000/5,000/6,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	6,000	6,000
Spindle power	kW	15/15.8	22/35
Spindle output torque	N.m	807/1,331	790/1,258

Item	Unit	V2540B / V2550B / V2560B	G-V3040B / V3050B / V3060B / V3080B
X-axis travel	mm	4,200/5,200/6,200	4,200/5,200/6,200/8,400
Y-axis travel	mm	3,200	3,700
Z-axis travel	mm	1,000	1,000
Effective width between columns	mm	2,950	3,450
Worktable width	mm	2,500	3,000
Worktable length	mm	4,000/5,000/6,000	4,000/5,000/6,000/8,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	6,000	6,000
Spindle power	kW	22/35	22/35
Spindle output torque	N.m	790/1,258	790/1,258

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G-R

Series

Z-axis Square Ram Box Guideway

Gantry Machining Center

Product features

- Movable worktable design with fixed column and crossbeam; the X and Y axis are linear guide rails, and the Z axis is square ram box guideway.
- Equipped with a gear spindle as standard.



Item	Unit	G-R1520B / R1530B / R1540B	G-R2030B / R2040B / R2050B / R2060B
X-axis travel	mm	2,200/3,200/4,200	3,200/4,200/5,200/6,200
Y-axis travel	mm	2,200	2,700
Z-axis travel	mm	1,000	1,000
Effective width between columns	mm	1,950	2,450
Worktable width	mm	1,500	2,000
Worktable length	mm	2,000/3,000/4,000	3,000/4,000/5,000/6,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	5,000	5,000
Spindle power	kW	15/18.5	22/35
Spindle output torque	N.m	807/1,331	790/1,258

Item	Unit	G-R2540B / R2550B / R2560B	G-R3040B / R3050B / R3060B / R3080B
X-axis travel	mm	4,200/5,200/6,200	4,200/5,200/6,200/8,400
Y-axis travel	mm	3,200	3,700
Z-axis travel	mm	1,000	1,000
Effective width between columns	mm	2,950	3,450
Worktable width	mm	2,500	3,000
Worktable length	mm	4,000/5,000/6,000	4,000/5,000/6,000/8,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	5,000	5,000
Spindle power	kW	22/35	22/35
Spindle output torque	N.m	790/1,258	790/1,258

G-Z

Series

Moving Column

Gantry Machining Center

Product features

- Automatic Right-angle Milling Head and Milling Head Magazine: The machine tool is equipped with a standard automatic right-angle milling head and milling head magazine, enabling automatic exchange of milling heads and protective covers. Five-face machining can be achieved with one - time clamping of the workpiece.



Item	Unit	G-V1530Z / V1540Z	G-V2030Z / V2040Z / V2050Z / V2060Z
X-axis travel	mm	3,200/4,200	3,200/4,200/5,200/6,200
Y-axis travel	mm	2,700	3,200
Z-axis travel	mm	1,000	1,000
Effective width between columns	mm	1,950	2,450
Worktable width	mm	1,500	2,000
Worktable length	mm	2,000/3,000/4,000	3,000/4,000/5,000/6,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	6,000	6,000
Spindle power	kW	15/25	22/35
Spindle output torque	N.m	539/897	790/1,258

Item	Unit	G-V2540Z / V2550Z / V2560Z	G-V3040Z / V3050Z / V3060Z / V3080Z
X-axis travel	mm	4,200/5,200/6,200	4,200/5,200/6,200/8,400
Y-axis travel	mm	3,700	4,200
Z-axis travel	mm	1,000	1,000
Effective width between columns	mm	2,950	3,450
Worktable width	mm	2,500	3,000
Worktable length	mm	4,000/5,000/6,000	4,000/5,000/6,000/8,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	6,000	6,000
Spindle power	kW	22/35	22/35
Spindle output torque	N.m	790/1,258	790/1,258

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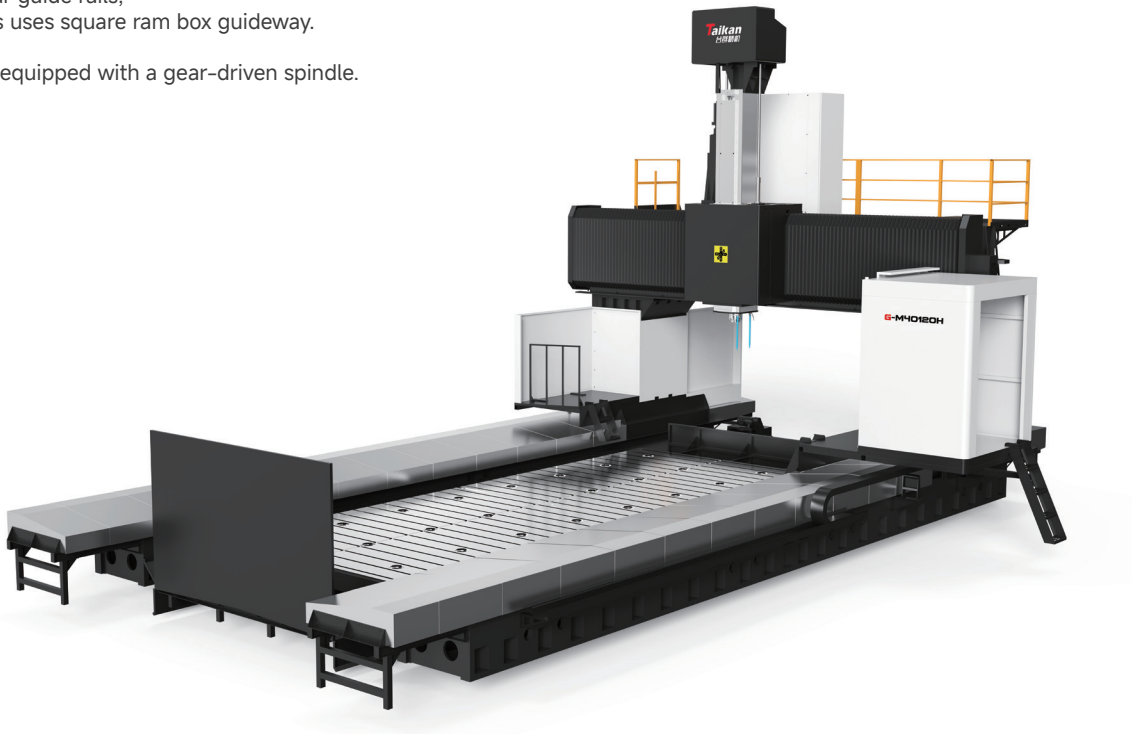
G-M

Series

Moving Column  
Gantry Machining Center

Product features

- Fixed worktable design with movable column and crossbeam; the X and Y axes use linear guide rails, and the Z axis uses square ram box guideway.
- Standardly equipped with a gear-driven spindle.



Item	Unit	G-M3580H / M35160H	M50120H / 50160H
X-axis travel	mm	8,500/16,500	12,500/16,500
Y-axis travel	mm	5,200	6,800
Z-axis travel	mm	1,500	1,500
Effective width between columns	mm	4,600	6,200
Worktable width	mm	3,500	5,000
Worktable length	mm	8,000/16,000	12,000/16,000
Spindle taper	/	BT50	BT50
Max. spindle speed	r/min	4,500	4,500
Spindle power	kW	22/26	22/26
Spindle output torque	N.m	686/811	686/811

# BORING MACHINING CENTER

H Series



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT



Item	Unit	H-PB1320
X-axis travel	mm	3,200
Y-axis travel	mm	2,200
Z-axis travel	mm	1,600
W-axis travel	mm	800
Worktable size	mm	1,600×1,800
Worktable load-bearing	kg	8,000
Spindle taper	/	BT50
Max. spindle speed	r/min	2,000
Spindle power	kW	22/35
Spindle output torque	N.m	1,565/2,494

# HIGH-SPEED MACHINING CENTER

Single-Spindle Series | Double-Spindle Series | Multi-Spindle Series  
Multi-Channel Series | Gantry-Type Series



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT

Single-Spindle  
Series

High-speed Machining Center

Product features

- **High-speed & High-rigidity Gantry Machining Center**  
The machine features a compact and rational layout, effectively reducing floor space occupation. It boasts excellent cutting performance and stable machining capability, and is equipped with a large-capacity servo tool magazine to meet the integration of multi-process parts processing.
- **Brand-new CNC Control Technology**  
The new-generation high-speed, high-precision & high-efficiency CNC system is characterized by high flexibility and multi-axis control capability.
- **Excellent Machining Performance**  
The newly designed vibration suppression technology can improve the surface finish of parts and extend tool service life.
- **Probe is Available as an Optional Accessory**  
The on-line inspection function helps improve product quality.
- **4/4.5-axis is Available as an Option**  
It supports multi-axis machining and integrated processing of multiple procedures, improving the product first-pass yield.



Item	Unit	C-450	C-500	C-650	C-870	C-1510
Table size	mm	400×400	550×500	600×500	800×700	1,500×1000
X/Y/Z axis travel	mm	400/400/150	550/500/200	600/500/260	700/800/320	1500/1000/500
Spindle speed	r/min	40,000	36,000	24,000	24,000	12,000
Spindle taper	/	ISO 20	HSK-E32	BT30	BT30	BT40
Tool magazine	PCS	15	16	12	12	24

Double-Spindle  
Series

High-speed Machining Center

Product features

- Dual-spindle & dual-tool magazine configuration effectively boosts machining efficiency while reducing floor space.
- The three-axis moving components adopt a weight-reduction design, which increases machining speed while ensuring transmission rigidity.
- Through the combination of finite element analysis (FEA) and practical verification, the resonance frequency is adjusted to outside the machining range.
- The 21-tool swash plate servo tool magazine features high tool-changing efficiency with a tool change time of 1.0 second.
- It can quickly realize multi-process machining including milling, drilling, tapping and other operations.



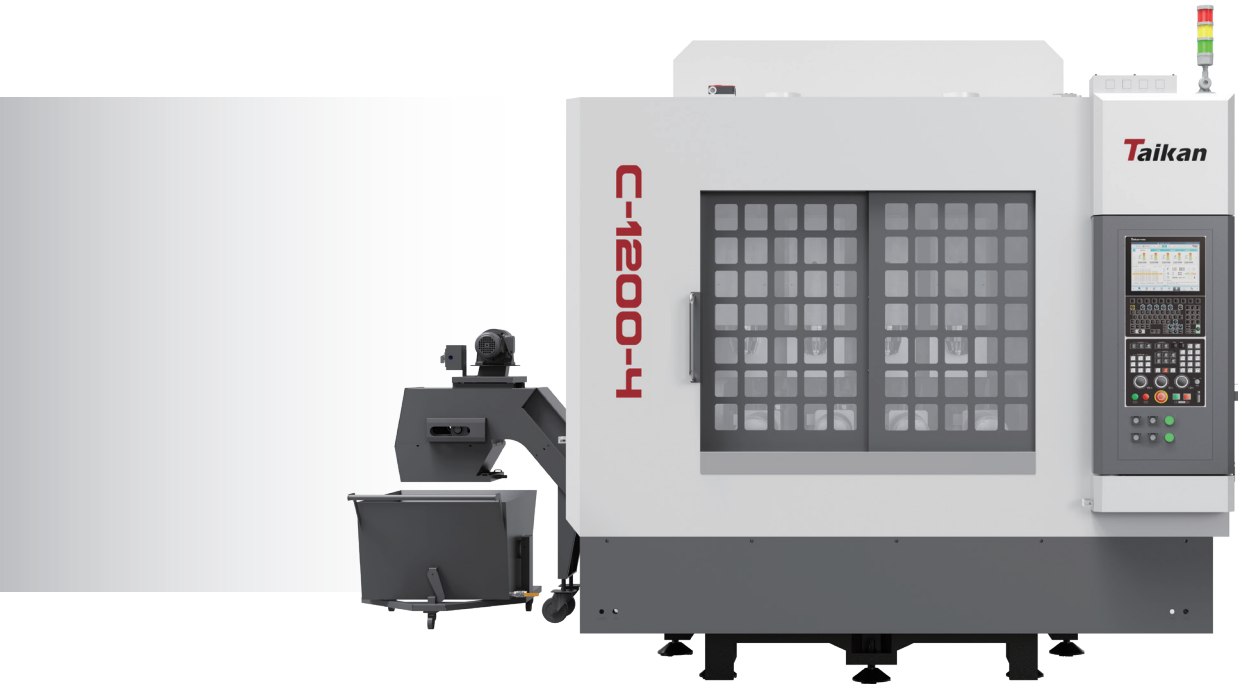
Item	Unit	T-5040-2	T-6050-2	T-6065-2
Table size	mm	1,200×400	1,400×500	1,500×650
X/Y/Z axis travel	mm	500/400/320	600/500/600	600/650/650
Spindle speed	r/min	20,000	12,000	12,000
Spindle taper	/	BT30	BT40	BT40
Tool magazine	/	21T×2	24T×2	24T×2

Multi-Spindle  
Series

High-speed Machining Center

Product features

- Natural marble is adopted for the main structural components of the machine tool, featuring high rigidity, excellent vibration absorption and outstanding stability.
- High-precision lead screws from NSK/THK are selected to ensure stable performance and reliable operation, achieving high-precision machining.
- The tool magazine has a large tool holder capacity, and the 62 spindle can support a maximum of 25 tools per axis. The tool magazine is equipped with a sluice-style protective door, providing excellent chip resistance.
- Bearings of the whole machine are from Japan’s NSK and Germany’s FAG; electrical components are from Schneider and Phoenix; and pneumatic components are from SMC and CKD.
- Combined with the Taikan multi-axis motion control system, machining functions or auxiliary functions can be customized according to customer requirements.



Item	Unit	C-700-2	C-800E-3	C-800E-4	C-1000-4	C-1200-4	C-1200-6
Table size	mm	700×500	840×500	840×500	1,050×500	1,200×600	1,260×500
X/Y/Z axis travel	mm	350/500/150	280/500/150	210/500/150	270/450/150	300/600/200	210/450/150
Spindle speed	r/min	60,000	60,000	60,000	40,000	30,000	60,000
Spindle taper	/	T11	T11	T11	ISO 20	BT30	T11
Tool magazine	/	12T×2	25T×3	25T×4	16T×4	16T×4/21T×4	20T×6

Multi-Channel  
Series

High-speed Machining Center

Product features

- **Multi X/Y/Z-axis design with multiple independent machining units.**  
Different channels can be operated independently, and a single CNC system controls multiple machines. Adopting a dual or triple 2-axis (spindle) structural design, it greatly improves machining efficiency, with a per-unit-time output 1.7–2.7 times that of single-spindle machines.
- **Equipped with a new-type semi-umbrella/chain/swash plate tool magazine.**  
A single tool magazine can hold a minimum of 18 tools, among which the chain-type tool magazine comes standard with 21 tools. It is paired with a new-type CNC system to improve the response speed and stability of the tool magazine.
- **The machine tool features superior rigidity and low overall vibration.**  
Boasting an excellent mechanical structure, the machine tool has high overall rigidity, low overall vibration and superior machining performance. The three-axis moving components adopt a weight-reduction design, which greatly reduces no-load power loss while ensuring transmission rigidity. By combining finite element analysis (FEA) with practical verification, the resonance frequency is adjusted outside the machining range, enabling fast multi-process machining such as milling, drilling and tapping.
- **The on-line inspection function with a probe is available as an option to improve product quality.**



Item	Unit	C-400E-2D	C-400-2D	C-600-2D	C-850E-2D	C-400-3D	C-500-3D
Table size	mm	400×500	460×500	500×600	500×900	450×500	400×620
X/Y/Z axis travel	mm	450/450/200	450/450/200	500/600/200	500/800/320	450/450/200	450/500/320
Spindle speed	r/min	40,000	40,000	30,000	12,000	30,000	24,000
Spindle taper	/	ISO 20	ISO 20	BT30	BT40	BT30	BT30
Tool magazine	/	18T×2	21T×2	24T×2	24T×2	21T×3	24T×3



# Gantry-Type

Series

## Gantry High-speed Machining Center

Product features

- The overall machine features a rational and compact layout with a small floor space per unit.
- It is equipped with a stable cast iron base and a high-rigidity cast iron crossbeam, ensuring excellent long-term accuracy retention of the machine.
- Structural optimization is carried out via finite element analysis (FEA) to meet the machine’s performance requirements.
- The standard configuration includes a 24-tool BT40 arm-type tool magazine with high tool-changing efficiency and a tool change time of only 2.0 seconds.
- A 150mm high-torque mechanical spindle is configured to enable multi-process machining operations such as milling, drilling and tapping.



Item	Unit	G-V1013
Table size	mm	1,300×1000
X/Y/Z axis travel	mm	1300/1000/500
Spindle speed	r/min	12,000
Spindle taper	/	BT40
Tool magazine	/	24

# CNC LATHE

D-L Series | L-Y Series | L-M Series  
L-H Series | L-P Series | Q Series

As a leading provider of high-end intelligent equipment solutions, TAIKAN has been deeply engaged in the CNC machine tool industry for nearly two decades. Its CNC lathe series, characterized by high rigidity, high precision, high efficiency, and intelligent production, covers a wide range of models, including horizontal, vertical, mill-turn, and Swiss-type lathes.

TAIKAN lathes are widely applied in automotive parts, valves, shipbuilding, energy equipment, precision hardware, and other industries, addressing the complex machining needs of modern manufacturing.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT

D-L

Series

High Precision  
CNC Horizontal Turning (Milling) Lathe

Product features

- The structural design of the 30° inclined bed saddle has high rigidity and good stability.
- The integrated high-rigidity spindle structure has high positioning accuracy, low noise, and the spindle runout is within 0.003mm.
- X and Z-axis screws adopt imported C3-level bidirectional preload hollow screws, which are high-speed and silent, with a rapid movement speed of 30m/min, fast response speed and high positioning accuracy.
- Designed according to ergonomic principles, swing-type operation panel.
- Automate multiple options to achieve higher production efficiency.



Item	Unit	D-L35	D-L45	D-L35P	D-L45P
Max. swing diameter	mm	Ø550	Ø650	Ø550	Ø650
Max. turning diameter	mm	Ø350	Ø450	Ø350	Ø450
Max. workpiece height	mm	560	560	1000	1000
Chuck diameter	inch	8" (Hydraulic chuck)	10" (Hydraulic chuck)	8" (Hydraulic chuck)	10" (Hydraulic chuck)
Spindle speed range	r/min	0~4,000	0~2,800	0~4,000	0~2,800
Turret type	/	12-bit hydraulic turret	12-bit hydraulic turret	12-bit hydraulic turret	12-bit hydraulic turret
Control system	/	Siemens 828D	Siemens 828D	Siemens 828D	Siemens 828D

Item	Unit	D-L35M	D-L45M	D-L35Y	D-L45Y
Max. swing diameter	mm	Ø550	Ø650	Ø550	Ø650
Max. turning diameter	mm	Ø350	Ø450	Ø350	Ø450
Max. workpiece height	mm	500	500	450	450
Chuck diameter	inch	8" (Hydraulic chuck)	10" (Hydraulic chuck)	8" (Hydraulic chuck)	10" (Hydraulic chuck)
Spindle speed range	r/min	0~4,000	0~2,800	0~4,000	0~2,800
Turret type	/	12-bit hydraulic turret	12-bit hydraulic turret	12-bit hydraulic turret	12-bit hydraulic turret
Control system	/	Siemens 828D	Siemens 828D	Siemens 828D	Siemens 828D

D-L

Series

High Precision  
CNC Horizontal Box-way Design Turning (Milling) Lathe

Product features

- 30° integral material bed design has the advantages of high rigidity and convenient chip removal.
- Integrated high rigidity, large torque, large through hole spindle, low noise and high positioning accuracy.
- X/Z axis are designed with a box-way design rail structure. The guide rail surface is high-frequency quenched to a hardness of HRC48, and combined with low-friction, wear-resistant imported plastic-coated guide rail soft belts, it has good motion accuracy and dynamic characteristics.
- The tailstock adopts rectangular guide rail, the guide rail surface has HRC48 hardness surface heat treatment, and has good load-bearing rigidity.
- Designed according to ergonomic principles, using a swingable operation panel.
- Automate multiple options to achieve higher production efficiency.



Item	Unit	D-L3505	D-L4505
Max. swing diameter	mm	Ø610	Ø720
Max. turning diameter	mm	Ø406	Ø450
Max. workpiece height	mm	560	560
Chuck diameter	inch	8" (Hydraulic chuck)	10" (Hydraulic chuck)
Spindle speed range	r/min	0~4,000	0~2,800
Turret type	/	12-bit hydraulic turret	12-bit hydraulic turret
Control system	/	Siemens 828D	Siemens 828D

L-Y  
Series

High Precision  
CNC Horizontal Turning (Milling) Machine

With Y axis

Product features

- 30° overall inclined bed, linear guide rails for XZ axis and box guideway for Y axis.
- Mechanical spindle as standard, motorized spindle as optional, spindle with C-axis indexing function and hydraulic brake assist system.
- Equipped with BMT45 / BMT55 power turret (including Y axis), and hydraulic sleeve tailstock with live center structure.



Item	Unit	L-46SDY	L-52SDY
Max. swing diameter on the bed	mm	Ø 570	Ø 570
Max. swing diameter on the saddle	mm	Ø320	Ø320
Max. turning diameter	mm	Ø130	Ø130
Max. turning length	mm	130	130
Spindle chuck size	inch	6"	8"
Max. spindle speed	r/min	6,000	4,500
Max. sub-spindle speed	r/min	6,000	6,000
Max. power tool speed	r/min	4,000	4,500
Turret type	/	BMT45	BMT45



Item	Unit	L-25Y	L-35Y	L-45Y
Chuck size	inch	6"	8"	10"
Max. swing diameter on bed	mm	Ø520	Ø520	Ø520
Max. machining diameter (shaft/disc)	mm	Ø300/Ø350	Ø300/Ø350	Ø300/Ø350
Max. machining length	mm	330	330	330
Spindle nose form	/	A2-5	A2-6	A2-8
Max. spindle speed	r/min	6,000	4,000	2,800
Turret type and tool capacity	/	BMT45/12	BMT55/12	BMT55/12

L-M  
Series

High Precision  
CNC Horizontal Turning (Milling) Machine

Turret lathe

Product features

- This machine tool is equipped with a BMT45 power turret, featuring fast tool change speed and high reliability. It is configured with axial and radial power tool holders, and combined with the spindle with C-axis indexing and hydraulic brake auxiliary system, it can realize three-axis linkage to meet the functions of power head milling, drilling, tapping, etc. It can complete multiple processes in one clamping, with the characteristics of high efficiency, high precision and stable performance.



Item	Unit	L-25M	L-35M	L-45M
Chuck size	inch	6"	8"	10"
Max. swing diameter on bed	mm	Ø520	Ø520	Ø600
Max. machining diameter (shaft/disc)	mm	Ø200/Ø250	Ø300/Ø350	Ø380/Ø450
Max. machining length	mm	400	400	400
Spindle nose form	/	A2-5	A2-6	A2-8
Max. spindle speed	r/min	5,300	4,000	2,800
Turret type and tool capacity	/	BMT45/12	BMT55/12	BMT55/12

L-H  
Series

High Precision  
CNC Horizontal Lathe

Product features

- 30° integrated high-rigidity inclined bed structure, X/Z axis adopts heavy-duty roller guide rails.
- Equipped with mechanical turning spindle, 12-station servo turret.



Item	Unit	L-25H	L-35H	L-45H
Chuck size	inch	6"	8"	10"
Max. swing diameter on bed	mm	Ø500	Ø520	Ø600
Max. machining diameter (shaft/disc)	mm	Ø200/Ø250	Ø300/Ø350	Ø380/Ø450
Max. machining length	mm	450	450	450
Spindle nose form	/	A2-5	A2-6	A2-8
Max. spindle speed	r/min	6,000	4,000	2,800
Turret type and tool capacity	/	Servo/12	Servo/12	Servo/12

L-P  
Series

High Precision  
CNC Horizontal Lathe / Gang Tool

Product features

- The tool holder is in the form of a dovetail slot tool holder or a T-slot tool holder.



Item	Unit	L-P30Y	L-P46Y
Chuck size	inch	5"	6"
Max. swing diameter on bed	mm	Ø480	Ø500
Max. machining diameter (shaft/disc)	mm	Ø160/Ø300	Ø300/Ø300
Max. machining length	mm	270	350
Spindle nose form	/	A2-4	A2-5
Max. spindle speed	r/min	6,000	6,000



Item	Unit	L-P36G	L-P46G
Max. swing diameter on the bed	mm	Ø420	Ø420
Max. turning length	mm	400	400
Max. machining diameter (shaft/disc)	mm	Ø100/Ø450	Ø100/Ø450
Spindle head form	mm	A2-4	A2-5
Max. spindle speed	r/min	6,000	6,000
Tool capacity	mm	6	6



Q  
Series

High Precision  
CNC Horizontal Turning (Milling) Machine

Product features

- High speed and high precision spindle unit
- Configure the fanuc system
- Special turret design features



Item	Unit	Q8H	Q10H	Q8MY	Q10MY	Q8MSY	Q10MSY
Chuck size	inch	8"	10"	8"	10"	8"	10"
Max. swing diameter on bed	mm	Ø680	Ø680	Ø680	Ø680	Ø680	Ø680
Max. machining diameter (disc/shaft)	mm	Ø450/Ø350	Ø450/Ø350	Ø450/Ø400	Ø450/Ø400	Ø450/Ø400	Ø450/Ø400
Max. machining length	mm	550/480	550/450	550/480	550/450	450	420
Spindle nose form	mm	A2-6	A2-8	A2-6	A2-8	A2-6	A2-8
Max. spindle speed	r/min	4,500	4,500	4,500	4,500	4,500	2,500
Max. spindle 2 speed	r/min	/	/	/	/	6,000	6,000
Turret type and tool capacity	/	Servo	Servo	BMT55	BMT55	BMT55	BMT55

# VERTICAL LATHE

D-VL Series

  
HIGH SPEED

  
HIGH PRECISION

  
HIGH EFFICIENCY

  
INTELLIGENT

D-VL

Series

High Precision  
CNC Vertical Lathe

Product features

- The vertical structure avoids the roundness error caused by the gravity of the workpiece during horizontal clamping, ensuring the roundness accuracy of the parts.



Item	Unit	D-VL500	D-VL650	D-VL800	D-VL1250C	D-VL1600C
Max. swing diameter	mm	Ø650	Ø800	Ø950	Ø1,400	Ø1,800
Max. turning diameter	mm	Ø500	Ø650	Ø800	Ø1,250	Ø1,600
Max. workpiece height	mm	500	600	800	Ø1,000	Ø1,000
Chuck diameter	Inch	12" (Hydraulic chuck)	15" (Hydraulic chuck)	18" (Hydraulic chuck)	Ø1,100 mm (Worktable)	Ø1,400 mm (Worktable)
Spindle speed range	r/min	50~2,500	50~2,500	50~2,500	3.15 ~ 400	2.15 ~ 315
Turret type	PCS	8-bit hydraulic turret	8-bit hydraulic turret	8-bit hydraulic turret	8-bit ATC	8-bit ATC
Control system	/	Siemens 828D	Siemens 828D	Siemens 828D	Siemens 828D	Siemens 828D

# SWISS-TYPE LATHE

ST Series | QT Series | L-S Series

Versatile tool layout with high expandability, meeting the high-efficiency automated processing needs of micro-precision parts.



HIGH SPEED



HIGH PRECISION



HIGH EFFICIENCY



INTELLIGENT

ST  
Series

Swiss-type Lathe

Single spindle, three axis

Product features

- 3 linear feed axis.
- Single spindle with single system, the spindle adopts built-in motorized spindle.
- Possible to switch between guide bushing type and guide bushing-less type.
- The tool layout is rich, with good expansibility.
- Mitsubishi system secondary development. cold and hot machine compensation screen.



Item	Unit	ST-203 I / II / III	ST-263 I / II / III	ST-323 I / II / III
Max. machining diameter	mm	Ø20	Ø26	Ø32
Max. machining length	mm	Max. 240	Max. 240	Max. 240
Front drilling diameter	mm	Max. Ø10	Max. Ø10	Max. Ø13
Front thread machining	mm	Max.M8	Max.M8	Max.M8
Max. spindle speed	r/min	8,000	8,000	8,000
Control system	/	Mitsubishi E80	Mitsubishi E80	Mitsubishi E80

ST  
Series

Swiss-type Lathe

Double spindles, five axis

Product features

- 5 linear feed axis.
- Dual spindles and dual systems, the spindle adopts mechanical spindle or motorized spindle.
- The tool layout is rich, with good expansibility.
- Possible to switch between guide bushing type and guide bushing-less type.
- Mitsubishi system secondary development. cold and hot machine compensation screen.



Item	Unit	ST-205 I / II	ST-265 I / II	ST-325 I / II	ST-385 I / II
Max. machining diameter	mm	Ø20	Ø26	Ø32	Ø38
Max. machining length	mm	Max. 240	Max. 240	Max. 240	Max. 240
Front drilling diameter	mm	Max. Ø10	Max. Ø10	Max. Ø12	Max. Ø12
Back drilling diameter	mm	Max. Ø10	Max. Ø10	Max. Ø10	Max. Ø10
Front thread machining	mm	Max.M8	Max.M8	Max.M8	Max.M8
Back thread machining	mm	Max.M8	Max.M8	Max.M8	Max.M8
Max. spindle speed	r/min	8,000	8,000	6,500	6,000
Max. spindle 2 speed	r/min	8,000	8,000	7,000	6,000
Control system	/	Mitsubishi E80	Mitsubishi E80	Mitsubishi E80	Mitsubishi E80

ST  
Series

Swiss-type Lathe

Double spindles, six axis

Product features

- 6 linear feed axis.
- Dual spindles and dual systems, the spindle uses a built-in motorized spindle.
- 5 power tools, 5 end face hole tools.
- Possible to switch between guide bushing type and guide bushing-less type.



Item	Unit	ST-206	ST-266
Max. machining diameter	mm	Ø20	Ø26
Max. machining length	mm	Max. 240	Max. 240
Front drilling diameter	mm	Max. Ø10	Max. Ø10
Front thread machining	mm	Max.M8	Max.M8
Control system	/	Mitsubishi M80 LA	Mitsubishi M80 LA

QT  
Series

Swiss-type Lathe

Product features

- Dual spindle and dual system design, with both main and sub-spindles equipped with motorized spindles. The system uses the Mitsubishi M80 control system.
- Capable of simultaneous front and back machining.
- Optional guide sleeve-free device, suitable for high-precision machining of short workpieces.



Item	Unit	QT-125 I / II	QT-205 I / II	QT-126 I	QT-206 I
Max. machining diameter	mm	Ø12	Ø20	Ø12	Ø20
One-time feeding length	mm	Synchronous guide sleeve 130mm Fixed guide sleeve 300mm	Synchronous guide sleeve 130mm Fixed guide sleeve 300mm	Synchronous guide sleeve 130mm Fixed guide sleeve 300mm	Synchronous guide sleeve 130mm Fixed guide sleeve 300mm
Front drilling diameter	mm	Max. Ø7	Max. Ø10	Max. Ø7	Max. Ø10
Back drilling diameter	mm	Max. Ø7	Max. Ø8	Max. Ø7	Max. Ø8
Max. spindle speed	r/min	10,000	10,000	10,000	10,000
Max. spindle 2 speed	r/min	12,000	12,000	12,000	12,000
Front thread machining	mm	Max.M6	Max.M10	Max.M6	Max.M10
Back thread machining	mm	Max.M8	Max.M8	Max.M8	Max.M8
Control system	/	FANUC	FANUC	FANUC	FANUC



L-S  
Series

Swiss-type Lathe



Item	Unit	L-S205	L-S206
Max. machining diameter	mm	Ø20	Ø20
Max. machining length	mm	140(direct connection)	180(electric)
Max. spindle speed	r/min	12,000	12,000
Max. spindle 2 speed	r/min	12,000	12,000
Front drilling diameter	mm	Max. Ø13	Max. Ø13
Front thread machining	mm	Max.M8	Max.M8
Back thread machining	mm	Max.M8	Max.M8
Control system	/	FANUC Oi-TF PLUS(5)	FANUC Oi-TF PLUS(5)

TURN-MILL

CX Series

- 

HIGH SPEED
- 

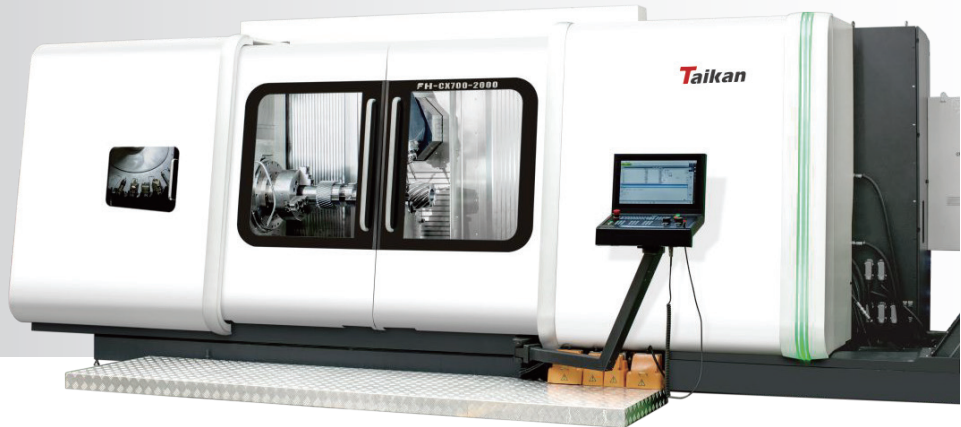
HIGH PRECISION
- 

HIGH EFFICIENCY
- 

INTELLIGENT

CX  
Series

Seven-axis Five-simultaneous Milling  
and Turning Machining Center



Item	Unit	CX500-1000 / 1500 / 2000 / 3000	CX700-2000 /3000 / 4000	CX1000-5000 / 6000
Max. turning diameter	mm	Ø470	Ø630	Ø1,800
X/Y axis travel	mm	560/300	610/400	900/600
Z axis travel	mm	1,000/1,500/2,000/3,000	2,030/3,000/4,000	5,000/6,000
B axis travel	°	±120	±120	±120
Turning & milling spindle	r/min	12,000	12,000	1,2000
Turning & milling power	kW	54/54	54/54	54/54
Turning & milling taper	/	HSK-T63	HSK-T63	HSK-T63
Tool capacity	PCS	24	36	36
Spindle (workpiece) speed	r/min	5,000	4,000	1,500
Spindle (workpiece) power	kW	35.5/50	30/37	-
Chuck diameter	mm	Ø304	Ø381	Ø610