



TAIZHOU EASTERN CNC TECHNOLOGY CO.,LTD
provides you with a complete set of vertical
turning lathe combination production line



世界品质
浙江制造

Visiting Guide

Nearest International Airport: Shanghai Pudong International Airport

Nearest Local Airport/Train Station:

- TAIZHOU Airport (in TAIZHOU, 40 minutes' drive)
- WENZHOU International Airport (1.5 hours' drive)
- NINGBO International Airport (3 hours' drive)
- Train Station: Wenling Station (40 minutes' drive)

Please inform us before visiting and let us know your schedule. We will arrange a car to pick you up at the nearest train station or airport if necessary.

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CNC MACHINE TOOLS EXPERTS For Metal Working

TAIZHOU EASTERN CNC TECHNOLOGY CO., LTD

—— 台州市东部数控设备有限公司 ——
www.east-cnc.com

工欲善其事
必先利其器

Excellent Manufacturer and Research Group

- Provide competitive products
- Provide fast solutions and value-added services
- Continuous create the max value for customer

Focus on The Production &
Research of High Precision CNC LATHE



CORPORATE HISTORY

ABOUT US

Taizhou Eastern CNC Technology Co., Ltd (EAST CNC) develops and manufactures CNC machine tools and offers competitive and customized solutions to global users, with 20 models and 40+ derivatives. We are a group of more than 650 employees bound by the vision of "building the famous brand in the machine tool equipment manufacturing industry".

Technology Leadership · Global Presence

As a National High-Tech Enterprise with 45 independent intellectual properties (including 15 invention patents), we leverage our Provincial Enterprise Technology Center and Intelligent Equipment Research Institute to pioneer cutting-edge high-speed & high-precision machining technologies. Our core products comply with CE Certification and ISO Triple Management Systems, serving clients across 20+ countries with precision-engineered smart manufacturing solutions.

Accredited Excellence

National: China Machinery Industry Quality Integrity Enterprise | Pilot Unit for Regional Brand Building in Machine Tool Sector...

Provincial: Specialized & Sophisticated SME | AAA Contract & Credit Honoring Enterprise | Technology-Based SME...

SPECIALTIES

Specialized in Multi-Specification CNC Machine Tools:

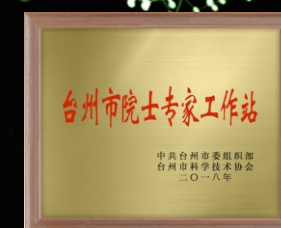
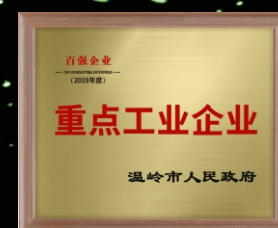
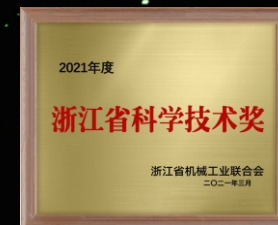
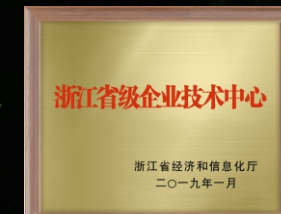
- Slant Bed CNC Lathe
- Vertical CNC Lathe
- Flat Bed CNC Lathe
- Automatic Manufacturing Cell
- 7-axis 4-linkage Turn-milling Combined CNC Machine, etc.



We earn customer recognition through our advanced manufacturing, superior quality, and efficient solutions

- 1994** Started with maintaining and retrofitting high-end CNC machines.
- 2004** Registered the company *Da Sen Machine Tool* with the brand DS.
- 2009** The company has transformed and upgraded to *Taizhou Eastern CNC Technology Co., Ltd.* with the brand EAST CNC.
- 2010** Obtained core technologies and launched machining centers and inclined guideway machines.
- 2013** Put the second plant into use. *Eastern Protection Co., Ltd.* and *Eastern Qiyang CNC Co., Ltd.* joined EAST CNC.
- 2014** *Yaxin Automation Co., Ltd.* joined EAST CNC.
- 2015** Became a pilot enterprise for MIIT regional brand construction in the machine tool industry.
- 2016** Became a strategic partner with NORINCO GROUP (China North Industries Group Corporation Limited) and Siemens (China).
- 2017** Led the industry by establishing the academician expert workstation; Rewarded as *Famous Chinese Machinery Industrial Brand* and *High-Integrity Enterprise in China's Machine Industry*.
- 2018** Established a provincial enterprise technology center; Rewarded as *Zhejiang Name Brand*, *Zhejiang Excellent Industrial Product*, and *Zhejiang Manufacturing Excellence*.
- 2020** Rewarded as Zhejiang AAA Enterprise of *Observing Contract and Valuing Credit*.
- 2021** Established the *Research Institute of Intelligent Equipment of East CNC*; Rewarded as *Specialized and Sophisticated SME* in Zhejiang.
- 2022** Rewarded as the National Specialized and Sophisticated *Little Giant Enterprise*; selected in the list of first equipment certifications in Zhejiang.
- 2023** Rewarded as *Zhejiang Science and Technology Little Giant Enterprise* and *Zhejiang Made-certified enterprise*.

ENTERPRISE HONOR

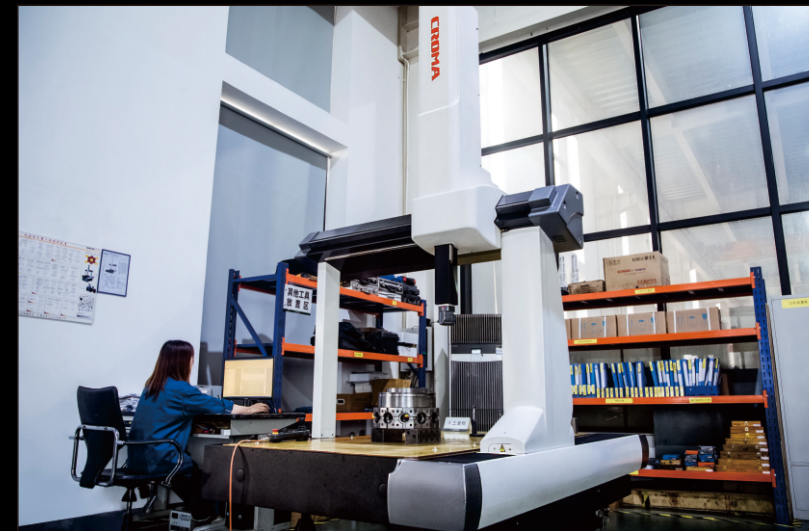




HORIZONTAL MACHINING CENTERS

DMGMORI NHX 6300 2nd Gen

It is a machine tool that are used to manufacture our machine tools. It adopts the CAT50 tool holder spindle for higher rigidity and precision as well as a balance between operability and appearance. With the state-of-the-art CELOS system, it can flexibly respond to all scenarios expected during production.



INSPECTION

Scientific Inspection
High-standard Control



SEIRI•SEITON•SEISO SEIKETSU•SHITSUKE

We have been committed to ISO9001 for Quality Management Systems and 5S methodology, which are strictly implemented in the processes of material purchase, processing, production, assembly, commissioning, and more.



CONSTANT TEMPERATURE WORKSHOP



The Parent Machine Operation Scenario



C320K

A2-5 Servo Spindle/Hollow Hydraulic Collet/ Gang Tooling
No Tailstock/Roller Linear Guideway

- 01
- 1

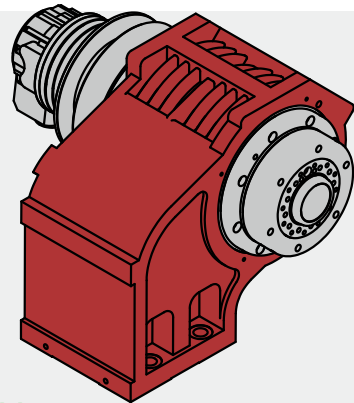
This slant bed lathe is developed using international technologies with high precision, speed, and rigidity. With a user-friendly design, an elegant appearance, and easy-to-maintain features, it integrates mechanical, electrical, and hydraulic systems to enhance the production efficiency.
- 2

The 45° integral slant bed structure guarantees the workpiece is closer to the operator and smooth chip discharge. Crafted from high-quality resin sand, the bed has excellent rigidity and shock resistance.
- 3

The high-precision hydraulic rotary cylinder works with a spring collet to be precise and convenient, further improving the production efficiency.
- 4

The machine with an electrical cabinet has good sealing performance and uses the heat exchanger to ensure normal operation in a high-temperature and high-humidity environment.
- 5

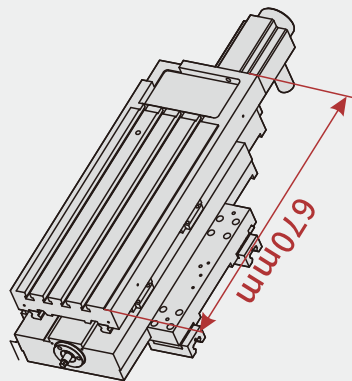
Hydraulic pressure is adjusted via panel knobs with dial display, ensuring safe and convenient operation.



Built-In Spindle (Optional)

The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

Spindle Speed: 5000rpm
Spindle Power: 12kW
Spindle Taper Hole: Φ56 mm

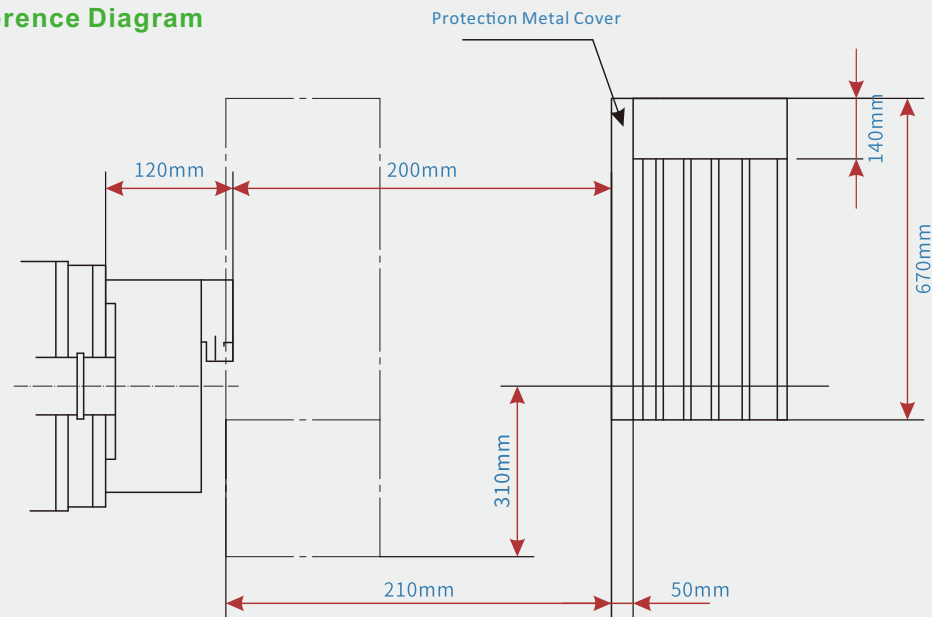


Slide

The horizontal slide is 730mm long, can be installed with multiple rows of gang type tool Holders with fast tool change speed and high precision.,can be equipped with high-speed live milling tool or servo turret (according to user requirements) for the complex products.

X/Z-axis Travel: 310/260 mm
X/Z-axis Rapid Traverse Speed: 25/25 m/min

Tool Interference Diagram



Technical Parameters



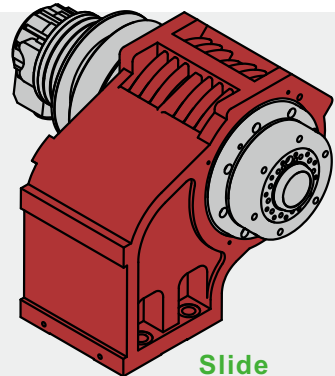
CONFIGURATION			C320K
Machining Capacity	Max. Swing Over Bed	mm	Φ320
	Max. Swing Over Slide	mm	Φ140
	Max. Processing Length (Collet/Chuck)	mm	240/200
	Max. Turning Diameter	mm	Φ100
	Max. Diameter of Bar	mm	Φ40
Spindle	Spindle Type		Servo Spindle
	Spindle Head Type	GB59001	A2-5
	Spindle Taper Hole	mm	Φ52
	Spindle Speed Range	r/min	50-3000
	Spindle Output Torque	N·m	84
	Spindle Power	KW	3.7
	Chuck Type (Standard/Optional)		Hydraulic Through Collect/ Chuck
Feed Rate	Size (Collet/Chuck)	Inch	Φ56/6"
	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	6
	Servo Motor Torque on Z-axis	N·m	6
Turret	X-axis Travel	mm	310
	Z-axis Travel	mm	260
	Guideway Type		Roller Linear Guideway
Power Source	Turret Type		Gang Tooling
	Number of Tool Holders	Pc(s)	3 Rows, 1 Boring
	Tool Size	KW	20×20/φ25
Dimension	Rated Total Power	A	12
Other	Rated Total Current	Kg	26
	Machine Weight	L×W×H(mm)	2000
	Machine Size		1950×1520×1800
Optional			Chip Conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C320K TT

A2-5 Servo Spindle/Hydraulic Through Chuck 6-inch
Servo Turret 8-station/Hydraulic Tailstock/Roller Linear Guideway

- 03
- 1 This slant bed lathe is developed using international technologies with high precision, speed, and rigidity. With a user-friendly design, an elegant appearance, and easy-to-maintain features, it integrates mechanical, electrical, and hydraulic systems to enhance the production efficiency.
 - 2 The 45° integral slant bed structure guarantees the workpiece is closer to the operator and smooth chip discharge. Crafted from high-quality resin sand, the bed has excellent rigidity and shock resistance.
 - 3 The machine with an electrical cabinet has good sealing performance and uses the heat exchanger to ensure normal operation in a high-temperature and high-humidity environment.
 - 4 Hydraulic pressure is adjusted via panel knobs with dial display, ensuring safe and convenient operation.



Built-In Spindle (Optional)

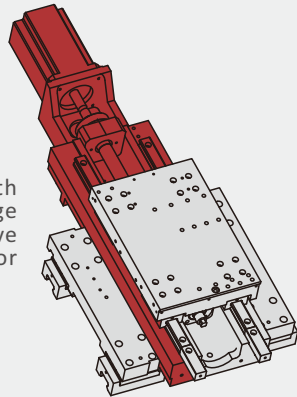
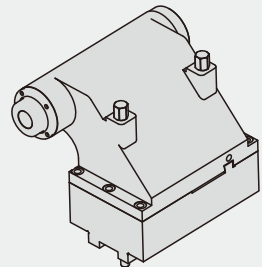
The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

Spindle Speed: 5000rpm
Spindle Power: 12kW
Spindle Taper Hole: Φ56 mm

Slide

The horizontal slide is 730mm long, can be installed with multiple rows of gang type tool Holders with fast tool change speed and high precision.,can be equipped with high-speed live milling tool or servo turret (according to user requirements) for the complex products.

X/Z-axis Travel: 160/300 mm
X/Z-axis Rapid Traverse Speed: 25/25 m/min

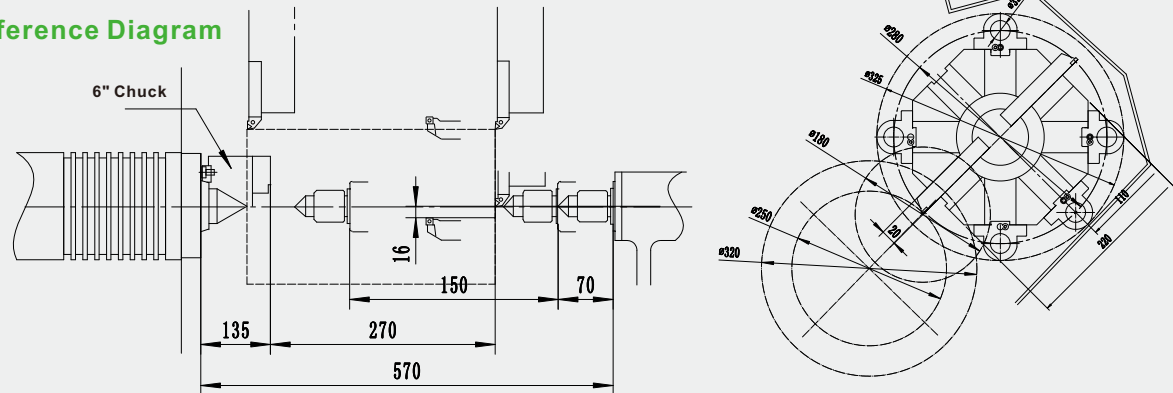


Hydraulic Tailstock

The automatic built-in hydraulic tailstock is precise, stable, efficient, and safe. The rigorously designed installation with a stable hydraulic system guarantees a high degree of machine alignment.

Tailstock Sleeve Diameter:Φ65
Tailstock Travel: 70 mm

Tool Interference Diagram



Technical Parameters



CONFIGURATION			C320K TT
Machining Capacity	Max. Swing Over Bed	mm	Φ320
	Max. Swing Over Slide	mm	Φ140
	Max. Processing Length	mm	240
	Max. Turning Diameter	mm	Φ250
	Max. Diameter of Bar	mm	Φ40
Spindle	Spindle Type		Servo Spindle
	Spindle Head Type	GB59001	A2-5
	Spindle Taper Hole	mm	Φ52
	Spindle Speed Range	r/min	60-4000
	Spindle Output Torque	N·m	110
	Spindle Power	KW	3.7
	Chuck Type		Hydraulic Through chuck
	Chuck Size	Inch	6"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	6
	Servo Motor Torque on Z-axis	N·m	6
	X-axis Travel	mm	160
	Z-axis Travel	mm	300
	Guideway Type		Roller Linear Guideway
Turret	Turret Type		Hydraulic Servo 8/12 Post Tool Turret
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face
	Tool Size	mm	20×20/Φ25
Tailstock	Tailstock Type		Hydraulic
	Tailstock Sleeve Diameter	mm	Φ65
	Tailstock Travel	mm	70
	Tailstock Sleeve Taper		MT4
Power Source	Rated Total Power	KW	10
	Rated Total Current	A	20
Dimension	Machine Weight	Kg	2115
	Machine Size	L×W×H(mm)	2120×16750×1900
Other	Optional		Chip Conveyor
Build-in Spindle (Optional)	Spindle Head Type		A2-5
	Spindle Taper Hole	mm	56
	Spindle Speed Range	r/min	60-5000
	Spindle Power	KW	12

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04

C400K/C400K-L

A2-6 Servo Spindle/Hydraulic Through Chuck 8-inch/Servo Turret 8-station
Hydraulic Tailstock/Roller Linear Guideway

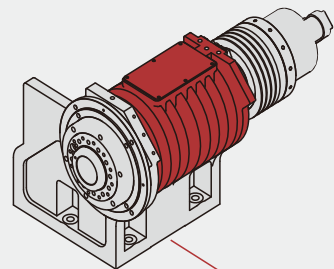
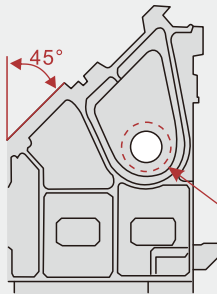
- 1 The lathe uses an hydraulic servo turret with high positioning accuracy, fast tool change time, and minimal deformation under heavy cutting.
- 2 The transmission system uses linear roller guideways imported from Taiwan to meet the requirements of high speed and high efficiency. It reduces friction resistance and deformation caused by temperature rise, improves the machining accuracy, and ensures the long-term stability of the cutting machining accuracy.
- 3 Integral fully - enclosed protection makes it durable, with stable operation and low noise. It is superior to similar products in terms of waterproofing, oil drainage, dustproofing and safety performance.
- 4 The machine with an electrical cabinet has good sealing performance and uses the heat exchanger to ensure normal operation in a high - temperature and high - humidity environment.
- 5 The chip conveyor (optional) has the advantages of smooth chip removal, compact size, high efficiency, stable delivery, low noise, and overload protection, etc.



Spindle

The spindle box bearing features a structure of double-row short cylindrical roller bearings. This configuration enables it to achieve high precision and rigidity, thereby ensuring the long-term precision and stability during heavy-duty cutting operations.

Spindle Speed: 3000rpm; 2500rpm
Spindle Power: 11 kW
Spindle Taper Hole: Φ62 mm; Φ86 mm



45° Integrally Slant Bed Structure

This structure ensures high stability and rigidity during the machine tool's operation, as well as the stability of mass - produced product quality. With multiple aging treatments, the stability and rigidity of the machine tool are significantly enhanced.

Casting Structure

Using a circular cavity structure, the machine rigidity is increased by 1/3 with the same load and same machine size.

Headstock

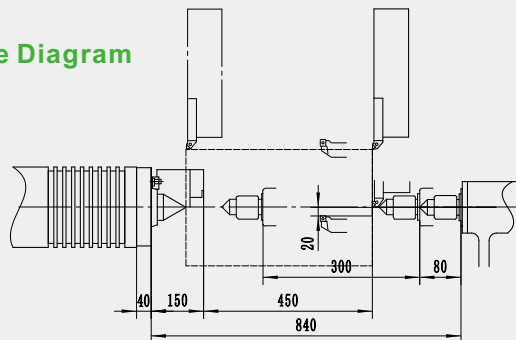
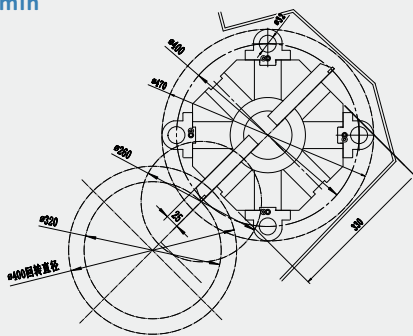
Improvements are made to the heat dissipation air duct and heat sink of the spindle headstock, reducing the temperature rise of the spindle box by 15%.

Integrated Pallet

The integrated design of the motor base and the slide plate features excellent strength, which reduces the assembly precision error and ensures the machine's precision.

X/Z-axis Travel: 200/500 mm; 200/1100 mm
X/Z-axis Rapid Traverse Speed: 20/25 m/min

Tool Interference Diagram



Technical Parameters



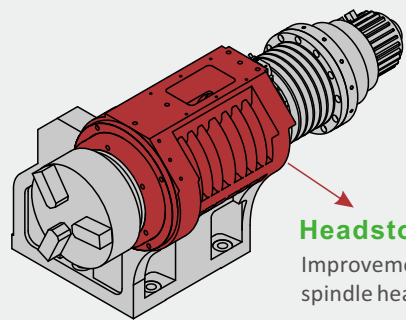
CONFIGURATION			C400K	C400K-L
Machining Capacity	Max. Swing Over Bed	mm	Φ500	Φ500
	Max. Swing Over Slide	mm	Φ250	Φ320
	Max. Processing Length	mm	450	1000
	Max. Turning Diameter	mm	Φ320	Φ320
	Max. Diameter of Bar	mm	Φ50	Φ74
Spindle	Spindle Type		Servo	Servo
	Spindle Head Type	GB59001	A2-6	A2-8
	Spindle Taper Hole	mm	Φ62	Φ86
	Spindle Speed Range	r/min	50-3000	50-2500
	Spindle Output Torque	N·m	Rated 110, Max.150	Rated 110, Max.150
	Spindle Power	KW	11	11
	Chuck Type		Hydraulic Through chuck	Hydraulic Through chuck
	Chuck Size	Inch	8"/10"	8"/10"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25	25
	Rapid Traverse Speed on Z-axis	m/min	25	25
	Servo Motor Torque on X-axis	N·m	7.5	7.5
	Servo Motor Torque on Z-axis	N·m	7.5	7.5
	X-axis Travel	mm	200	200
	Z-axis Travel	mm	500	1100
	Guideway Type		Roller Linear Guideway	Roller Linear Guideway
Turret	Turret Type		Hydraulic Servo 8/12 Post	Hydraulic Servo 8/12 Post
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face	1U, 2 Boring, 1 Face
	Tool Size	mm	25×25/Φ32	25×25/Φ32
Tailstock	Tailstock Type		Hydraulic	Hydraulic
	Tailstock Sleeve Diameter	mm	Φ88	Φ88
	Tailstock Travel	mm	80	80
	Tailstock Sleeve Taper		Mt5	MT5
Power Source	Rated Total Power	kW	18	18
	Rated Total Current	A	35	35
Dimension	Machine Weight	kg	3500	4500
	Machine Size	L×W×H(mm)	2620×1880×1870	3598×1930×2025
Other	Optional		Chip conveyor	Chip conveyor
Build-in Spindle (Optional)	Spindle Type		Built-in Spindle	
	Spindle Head Type		A2-6	
	Spindle Taper Hole	mm	62	
	Spindle Speed Range	r/min	60-4000	
	Spindle Power	KW	17	

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C500K

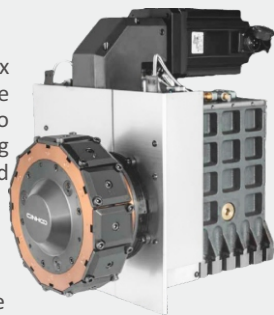
A2-8 Servo Spindle/ Hydraulic Through Chuck 10-inch /Servo Turret 12-station
Hydraulic Tailstock/Roller Linear Guideway

- 07
- 1 The lathe uses an hydraulic servo turret or Y-axis lifted driven tool turret with high positioning accuracy, fast tool change time, and minimal deformation under heavy cutting.
 - 2 The spindle box bearings of the lathe adopt high-rigidity double-row cylindrical roller bearings in the design process, and measures are taken to reduce the thermal deformation of the spindle. This enables the spindle to maintain the relative stability of the spindle axis during long-term operation.
 - 3 The transmission system uses linear roller guideways imported from Taiwan to meet the requirements of high speed and high efficiency. It reduces friction resistance and deformation caused by temperature rise, improves the machining accuracy, and ensures the long-term stability of the cutting machining accuracy.
 - 4 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting. A pair of 60° angular contact precision bearings are used for high speed and precision.

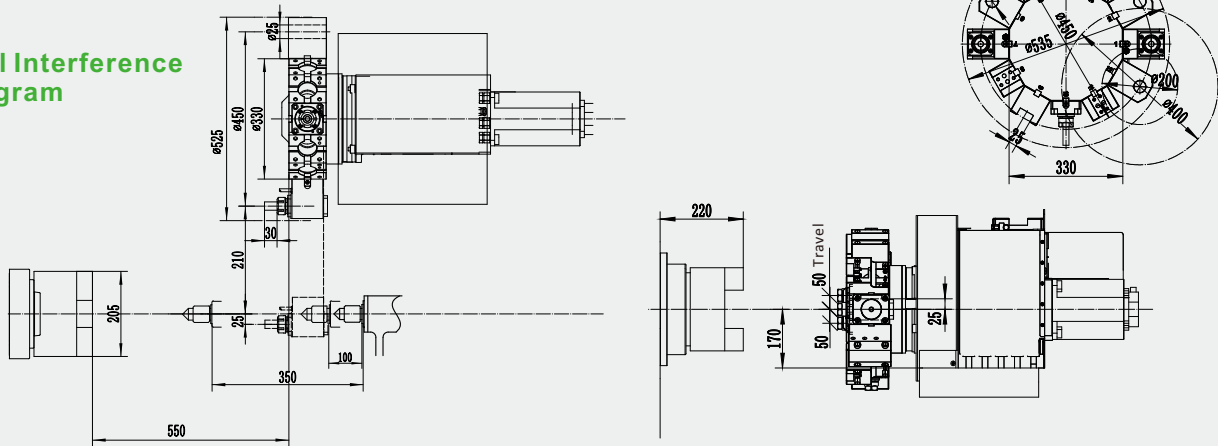


Spindle
The spindle box bearing features a structure of double-row short cylindrical roller bearings. This configuration enables it to achieve high precision and rigidity, thereby ensuring the long-term precision and stability during heavy-duty cutting operations.
Spindle Speed: 2500rpm
Spindle Power: 15 kW
Spindle Taper Hole: Ø86 mm
Headstock
Improvements are made to the heat dissipation air duct and heat sink of the spindle headstock, reducing the temperature rise of the spindle box by **15%**.

Turret with Y-axis Function (Optionl)
It can significantly enhance the processing capability for complex workpieces and improve the processing accuracy of parts in multiple machining projects. The indexing of the cutter head is driven by a servo motor. Tool changing is executed in the nearest directions, featuring high speed and high efficiency. It has high positioning accuracy and repeat positioning accuracy, as well as high rigidity and stability.
35° Integrally Slant Bed Structure
This structure ensures high stability and rigidity during the machine tool's operation, as well as the stability of mass - produced product quality. With multiple aging treatments, the stability and rigidity of the machine tool are significantly enhanced.



Tool Interference Diagram



Technical Parameters



08

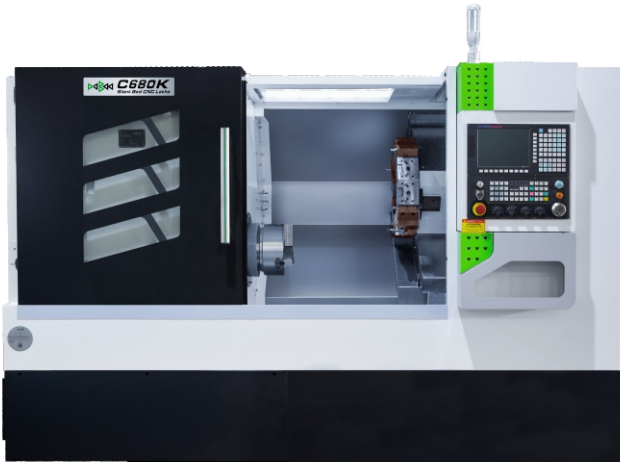
CONFIGURATION		C500K	C500K MY
Machining Capacity	Max. Swing Over Bed	mm	φ500
	Max. Swing Over Slide	mm	φ300
	Max. Processing Length	mm	650
	Max. Turning Diameter	mm	φ430
	Max. Diameter of Bar	mm	φ74
Spindle	Spindle Type	Servo Spindle	Built-in Spindle
	Spindle Head Type	GB59001	A2-8
	Spindle Taper Hole	mm	φ86
	Spindle Speed Range	r/min	60-2500
	Spindle Output Torque	N·m	220
	Spindle Power	KW	15
	Chuck Type	Hydraulic Through chuck	Hydraulic Through chuck
Feed Rate	Chuck Size	Inch	10"
	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	18
	Servo Motor Torque on Z-axis	N·m	18
	X-axis Travel	mm	240
	Y-axis Travel	mm	/
	Z-axis Travel	mm	680
Turret	Guideway Type	Roller Linear Guideway	Roller Linear Guideway
	Turret Type	Hydraulic Servo 12 Post Tool Turret	Y-Axis Lifted 12 Post Driven Tool Turret (BMT55)
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face
Tailstock	Tool Size	mm	25×25/φ40
	Tailstock Type	Hydraulic	Hydraulic
	Tailstock Sleeve Diameter	mm	φ100
	Tailstock Travel	mm	80
Power Source	Tailstock Sleeve Taper	MT5	MT5
	Rated Total Power	kW	26
Dimension	Rated Total Current	A	50
	Machine Weight	kg	5255
Other	Machine Size	L×W×H(mm)	3320×2000×2020
	Optional	Chip conveyor	Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C680K

Gear Shift/ A2-8 Spindle/ Servo Turret 12-Station
Hydraulic Through Chuck 10-inch /No Tailstock

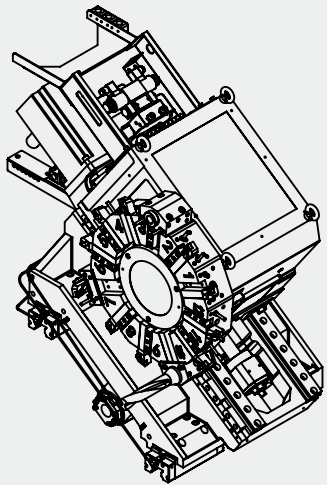
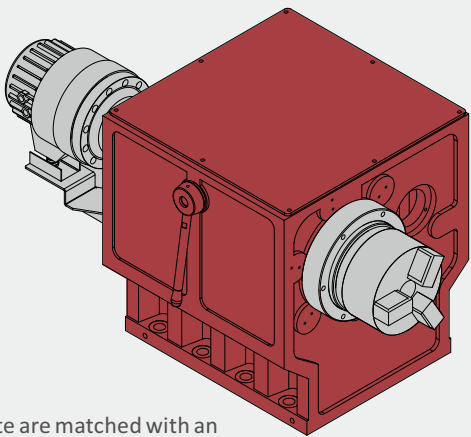
- 09
- 1 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting. A pair of 60° angular contact precision bearings are used for high speed and precision.
 - 2 The linear guideways, manufactured in Taiwan, utilize the roller-type slide rails, offering rigidity comparable to harden guideways while retaining the high-speed advantages of linear guideways. Even during high-speed machining, the machine tool maintains consistent precision and superior surface quality
 - 3 The lathe adopts an integral bed structure, which can still maintain the stability of the machine tool's precision during heavy cutting.
 - 4 Hydraulic pressure is adjusted via panel knobs with dial display, ensuring safe and convenient operation.



Spindle

The spindle assembly integrates double-row short cylindrical roller bearings with bidirectional thrust ball bearings. Powered by a main servo motor featuring 3-range gear shifting with stepless speed regulation within each range, it guarantees high torque output, exceptional rigidity, and sustained precision for heavy-duty cutting operations.

Spindle Power: 11 kW
Spindle Taper Hole: Φ86 mm

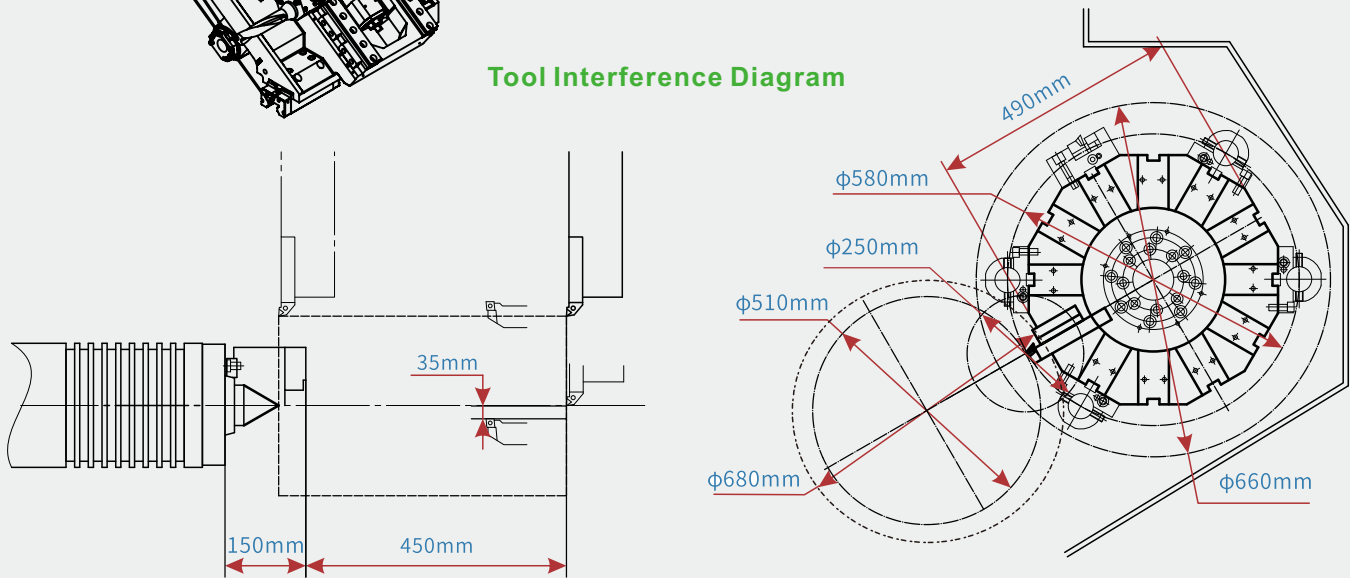


Integrated Servo Turret

The integrated motor base and slide plate are matched with an integrated turret. It has good strength, reduces the assembly precision error, and ensures the precision of the machine tool.

X/Z-axis Travel: 290/600 mm
X/Z-axis Rapid Traverse Speed: 25/25 m/min

Tool Interference Diagram



Technical Parameters



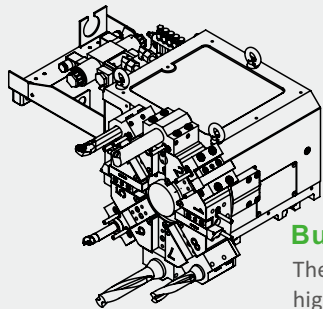
CONFIGURATION			C680K	C680K-B	C680KM
Machining Capacity	Max. Swing Over Bed	mm	Φ680	Φ680	Φ680
	Max. Swing Over Slide	mm	Φ320	Φ320	Φ320
	Max. Processing Length	mm	500	500	500
	Max. Turning Diameter	mm	Φ500	Φ500	Φ420
	Max. Diameter of Bar	mm	Φ74	Φ74/φ90 (optional)	φ74 (optional 90)
Spindle	Spindle Type		Gear	Servo	Servo
	Spindle Head Type	GB59001	A2-8	A2-8	A2-8
	Spindle Taper Hole	mm	Φ86	Φ86/φ102 (optional)	Φ86/φ102
	Spindle Speed Range	R/min	10-300;300-700;700-1000	50-2000	50-2000
	Spindle Output Torque	N·m	2200	220	220
	Chuck Type		Hydraulic Through chuck	Hydraulic Through chuck	Hydraulic Through chuck
	Chuck Size	Inch	10"	10"/12" (optional)	10"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25	25	25
	Rapid Traverse Speed on Z-axis	m/min	25	25	25
	Servo Motor Torque on X-axis	N·m	18	18	18
	Servo Motor Torque on Z-axis	N·m	18	18	18
	X-axis Travel	mm	290	290	290
	Z-axis Travel	mm	600	600/580 (optional)	550
	Guideway Type		Roller Linear Guideway	Roller Linear Guideway	Roller Linear Guideway
Turret	Turret Type		Hydraulic Servo 12 Post Tool Turret	Hydraulic Servo 12 Post Tool Turret	12 Post Driven Tool Turret(BMT65)
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face	1U, 2 Boring, 1 Face	1U, 2 Boring, 1 Face
	Tool Size	Mm	25×25/φ40	25×25/φ40	25×25/φ40/ER40
Power Source	Rated Total Power	KW	25	23	29
	Rated Total Current	A	55	48	60
Dimension	Machine Weight	Kg	5000	5000	5000/5150
	Machine Size	L×W×H(mm)		2680×1940×1960	
Other	Optional			Chip conveyor	

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CDS100

Stepped Guideway Bed/Built-in Spindle A2-5/Hydraulic Through Chuck 6-inch/Servo Turret 8 or 12-Station
Servo Programmable Tailstock/ Roller Linear Guideway

- 11
- 1 The lathe uses an integrated hydraulic servo turret with high positioning accuracy, fast tool change time, and minimal deformation under heavy cutting.
 - 2 The linear rolling guideway enables high-speed, high-efficiency operation. It reduces friction, temperature-rise deformation, boosts processing accuracy, and ensures long-term cutting accuracy stability.
 - 3 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting. . A pair of 60° angular contact precision bearings are used for high speed and precision.
 - 4 Hydraulic pressure is adjusted via panel knobs with dial display, ensuring safe and convenient operation.
 - 5 Full-guideway protection is provided. The cooling tank and chip conveyor are separated from the main machine to ensure that the machine tool accuracy is not affected by heat generated during cutting.



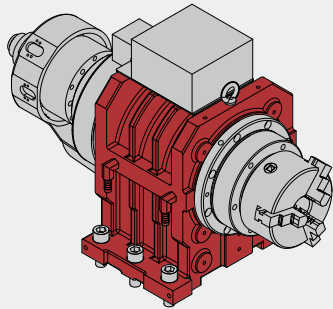
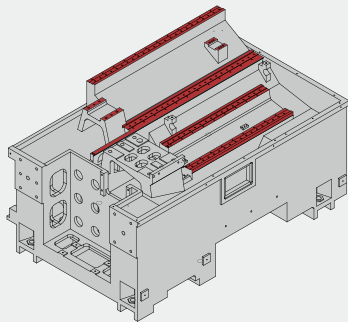
Integrated Servo Turret

The integrated turret has high structural rigidity and short tool-change time. These features reduce assembly accuracy deviation, ensure the accuracy of the machine tool, and improve processing efficiency.

Built-In Spindle

The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

Spindle Speed: 5000rpm
Spindle Power: 12.3 kW
Spindle Taper Hole: Φ56 mm

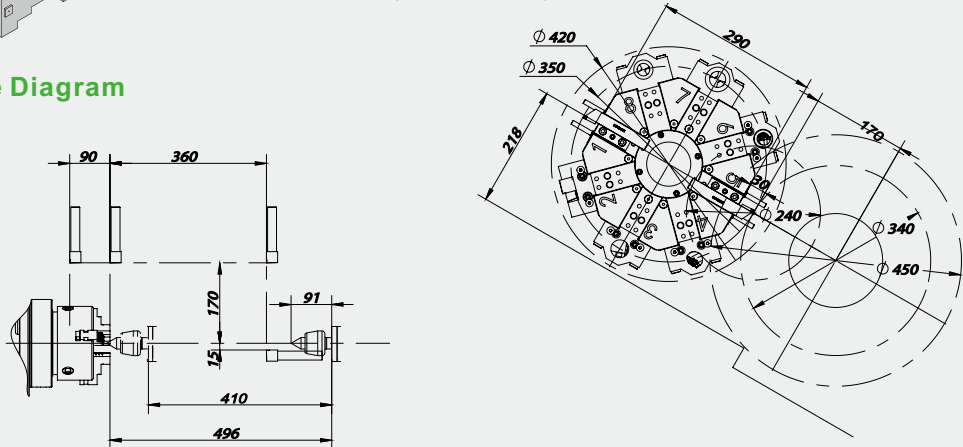


Guideway of the Bed

The bed guideway adopts the 30° high-low rail structure used in Japanese-style machine tools, ensuring the rigidity, precision, and stability of the machine during heavy-cutting operations. The automated loading and unloading unit (optional) is integrated with the machine, significantly reducing the floor space.

X/Z-axis Travel: 155/362 mm
X/Z-axis Rapid Traverse Speed: 25/30 m/min

Tool Interference Diagram



Technical Parameters



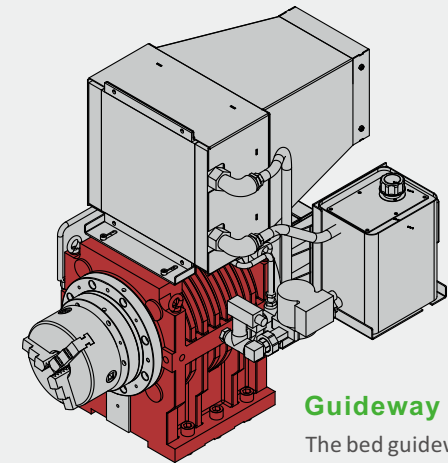
CONFIGURATION			CDS100
Machining Capacity	Max. Swing Over Bed	mm	φ450
	Max. Swing Over Bed	mm	φ230
	Max. Processing Length	mm	360
	Max. Turning Diameter	mm	φ230
	Max. Diameter of Bar	mm	φ45
Spindle	Spindle Type		Built-in Spindle
	Spindle Head Type	GB59001	A2-5
	Spindle Taper Hole	mm	φ56
	Spindle Speed Range	r/min	50-5000
	Spindle output torque	N·m	Rated 39, Max 110
	Spindle Power	KW	12.3
	Chuck Type		Hydraulic Through chuck
	Chuck Size	Inch	6"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	30
	Rapid Traverse Speed on Tailstock	m/min	12
	Servo Motor Torque on X-axis	N·m	6
	Servo Motor Torque on Z-axis	N·m	6
	X-axis Travel	mm	155
	Z-axis Travel	mm	362
	Guideway Type		Roller Linear Guideway
Turret	Turret Type		Hydraulic Servo 8/12 Post Tool Turret
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face
	Tool Size	mm	20×20/φ25
Tailstock	Tailstock Type		Servo programmable
	Servo Motor Torque on Tailstock	N·m	4
	Tailstock Travel	mm	360
	Tailstock Sleeve Diameter	mm	φ65
Power Source	Tailstock Sleeve Taper	kW	MT4
	Rated Total Power	A	20
Dimension	Rated Total Current	kg	52
	Machine Weight	L×W×H(mm)	2400
Other	Machine Size		1940×1370×1710
	Optional		Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CDS200/CDS200L

Stepped Guideway Bed/Built-in Spindle A2-6/Hydraulic Through Chuck 8-inch/Servo Turret 8 or 12-Station
Servo Programmable Tailstock/Roller Linear Guideway

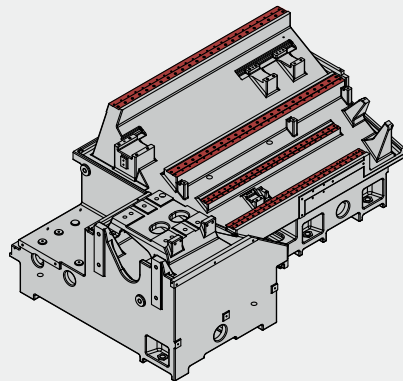
- 13
- 1 The synchronous built-in spindle drive promises superior output torque, and liquid cooling and air cooling are combined to ensure motor heat dissipation, guaranteeing the service life and machining precision of the spindle.
 - 2 The integrated hydraulic servo turret is compact and reliably precise.
 - 3 The bed guideway adopts a high and low rail design and is integrally cast with resin sand. With multiple aging and heat treatment processes, the machine can maintain optimal precision and rigidity for a long time.
 - 4 Hydraulic monitoring and adjustment can be easily operated using knobs on the front panel.
 - 5 The ergonomic machine adopts 30° internal design, which makes the workpiece closer to the human body and facilitates chip discharge (rear or side chip discharge as needed).



Built-In Spindle

The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

Spindle Speed: 4000rpm
Spindle Power: 18.5 kW
Spindle Taper Hole: Φ62 mm

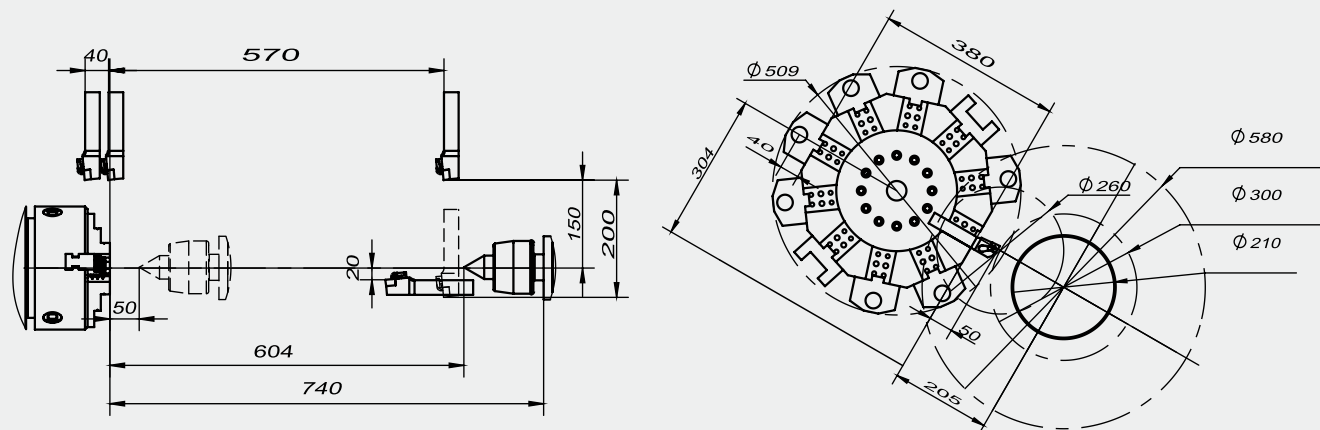


Guideway of the Bed

The bed guideway adopts the 30° high-low rail structure used in Japanese-style machine tools, ensuring the rigidity, precision, and stability of the machine during heavy-cutting operations. The automated loading and unloading unit (if selected) is integrated with the machine, significantly reducing the floor space.

X/Z-axis Travel: 190/400 mm
X/Z-axis Rapid Traverse Speed: 25/25 m/min

Tool Interference Diagram



Technical Parameters



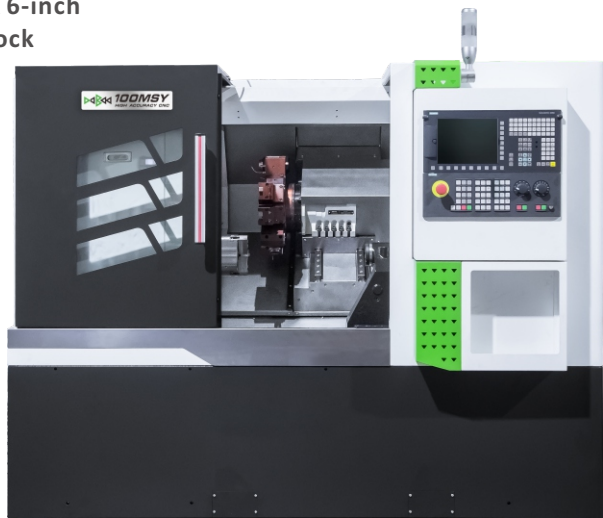
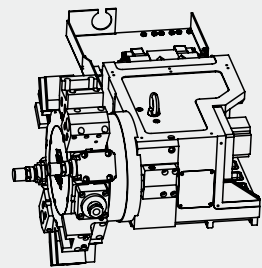
CONFIGURATION			CDS200	CDS200L
Machining Capacity	Max. Swing Over Bed	mm	φ580	φ580
	Max. Processing Length	mm	370	570
	Max. Turning Diameter	mm	φ260	φ260
	Max. Diameter of Bar	mm	φ50	φ50
Spindle	Spindle Type		Built-in Spindle	Built-in Spindle
	Spindle Head Type	GB59001	A2-6	A2-6
	Spindle Taper Hole	mm	φ62	φ62
	Spindle Speed Range	r/min	50-4000	50-4000
	Spindle output torque	N·m	109	109
	Spindle Power	KW	18.5	18.5
	Chuck Type		Hydraulic Through chuck	Hydraulic Through chuck
	Chuck Size	Inch	8"/10"	8"/10"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25	25
	Rapid Traverse Speed on Z-axis	m/min	25	25
	Rapid Traverse Speed on Tailstock	m/min	15	15
	Servo Motor Torque on X-axis	N·m	10	10
	Servo Motor Torque on Z-axis	N·m	10	10
	X-axis Travel	mm	190	190
	Z-axis Travel	mm	400	600
	Guideway Type/Width		Roller Linear Guideway	Roller Linear Guideway
Turret	Turret Type		Hydraulic Servo 8/12 Post	Hydraulic Servo 8/12 Post
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face	1U, 2 Boring, 1 Face
	Tool Size	mm	25×25/φ40	25×25/φ40
Tailstock	Tailstock Type		Servo programmable	Servo Programmable
	Servo Motor Torque on Tailstock	N·m	6	6
	Tailstock Travel	mm	320	520
	Tailstock Sleeve Diameter	mm	φ74	φ74
	Tailstock Sleeve Taper	kW	MT5	MT5
Power Source	Rated Total Power	A	40	40
	Rated Total Current	kg	70	70
Dimension	Machine Weight	L×W×H(mm)	3700	4000
	Machine Size		2310×1820×1920	2510×1820×1920
Other	Optional		Chip conveyor	Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

100MY

Interpolation Y Axis/Built-in Spindle A2-5/Hydraulic Through Chuck 6-inch
BMT45 Lifting Milling Turret 12-Station/Servo Programmable Tailstock

- 15
- 1 The high-rigidity Y-axis is realized through the movement of the middle (inclined) and large (horizontal) slides, which involves continuous two-axis interpolation. This enables milling operations with maximum rigidity.
 - 2 The roller linear guideway meets the requirements of high speed and high efficiency, reduces frictional resistance and deformation due to temperature rise, improves the machining precision, and ensures the long-term stability of cutting machining precision.
 - 3 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting. A pair of 60° angular contact precision bearings are used for high speed and precision.
 - 4 The programmable tailstock is equipped with overload protection and is driven by a servo motor for movement and clamping. This significantly improves machining efficiency.



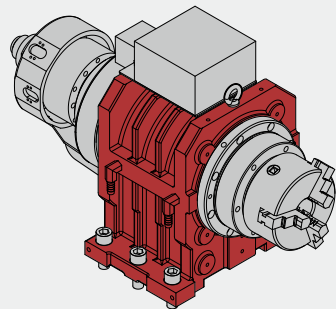
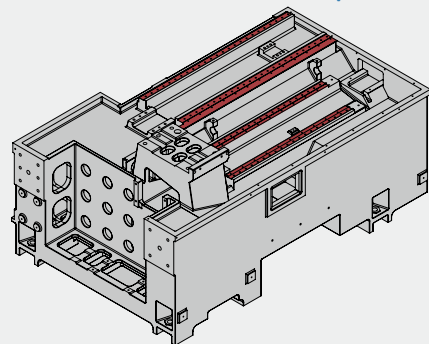
Integrated Driven Tool Turret

The driven tool turret is characterized by high positioning accuracy, a compact design, and fast. It enables tool changes without lifting, thereby boosting machining efficiency.

Built-In Spindle

The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

Spindle Speed: 5000rpm
Spindle Power: 12.3 kW
Spindle Taper Hole: Φ56 mm

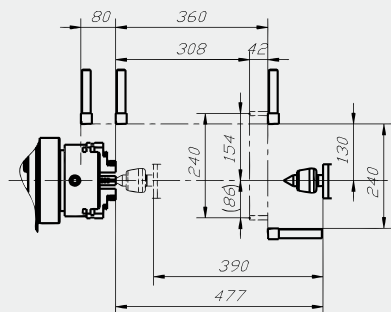
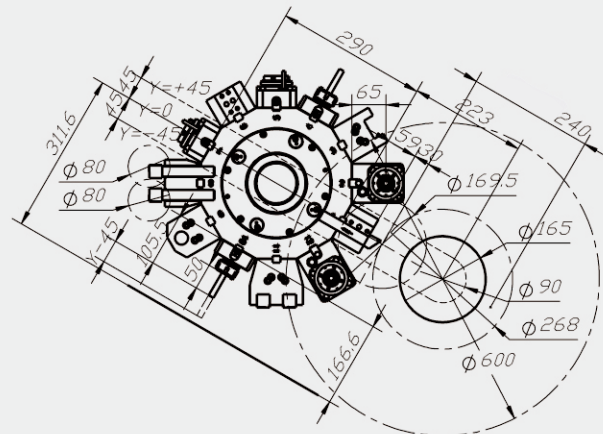


Guideway of the Bed

The bed guideway adopts 35-type roller linear guideway and 6 sliders to maintain the rigidity, accuracy and stability of the machine tool during heavy cutting. The automated loading and unloading unit (optional) is integrated with the machine, significantly reducing the floor space.

X/Y/Z-axis Travel: 125/±40/360mm
X/Y/Z-axis Rapid Traverse Speed: 25/10/25 m/min

Tool Interference Diagram



Technical Parameters



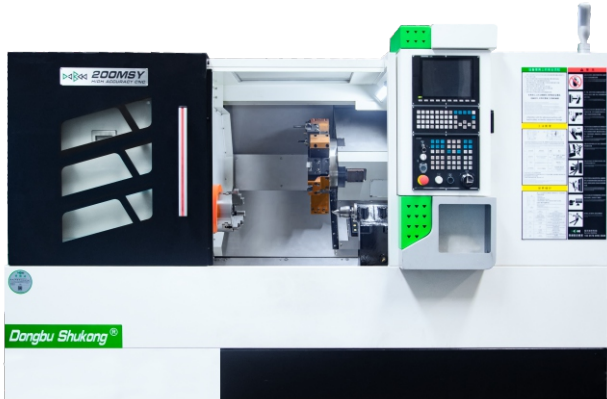
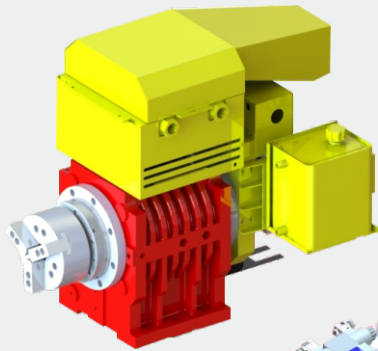
CONFIGURATION			100MY
Machining Capacity	Max. Swing Over Bed	mm	φ450
	Max. Swing Over Slide	mm	φ230
	Max. Processing Length	mm	350
	Max. Turning Diameter	mm	φ230
	Max. Diameter of Bar	mm	φ45
Spindle	Spindle Type		Built-in Spindle
	Spindle Head Type	GB59001	A2-5
	Spindle Taper Hole	mm	φ56
	Spindle Speed Range	r/min	50-5000
	Spindle output torque	N·m	110
	Spindle Power	KW	12.3
	Chuck Type		Hydraulic Through chuck
Feed Rate	Chuck Size	Inch	6"
	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Y-axis	m/min	10
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	10
	Servo Motor Torque on Y-axis	N·m	10
	Servo Motor Torque on Z-axis	N·m	10
	X-axis Travel	mm	125
	Y-axis Travel	mm	±40
	Z-axis Travel	mm	440 or 360
	Guideway Type/Width		Roller Linear Guideway
Turret	Turret Type		12Post Driven Tool Turret(BMT45)
	Number of Tool Holders	Pc(s)	1U, 2 ID, 1 Face, 4 OD
	Tool Size	mm	20×20/φ25/ER25
	Tailstock Type		Servo Programmable
Tailstock	Servo Motor Torque on Tailstock	N·m	4
	Tailstock Travel	mm	390
	Tailstock Sleeve Taper		MT4
Power Source	Rated Total Power	kW	25
	Rated Total Current	A	53
Dimension	Machine Weight	kg	3000
	Machine Size	L×W×H(mm)	2190×1903×1788
Other	Optional		Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

200MY

Interpolation Y Axis/Built-in Spindle A2-6/ Hydraulic Through Chuck 8-inch/BMT55 Lifting Milling Turret 12-Station
Servo Programmable Tailstock/Roller Linear Guideway

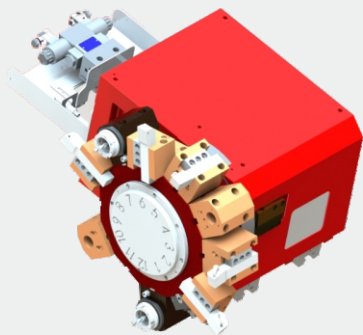
- 17
- 1 The high-rigidity Y-axis is realized through the movement of the middle (inclined) and large (horizontal) slides, which involves continuous two-axis interpolation. This enables milling operations with maximum rigidity.
 - 2 The driven tool turret integrates the slide and utilizes a high-precision three-piece contrate-gear clutch. This ensures high positioning accuracy, excellent repeatability, and strong clamping rigidity.
 - 3 The high-rigidity spindle employs both liquid and air cooling methods for motor heat dissipation. This approach guarantees the spindle's service life and machining precision.
 - 4 The programmable tailstock is equipped with overload protection and is driven by a servo motor for movement and clamping. This significantly improves machining efficiency.



Built-In Spindle

The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

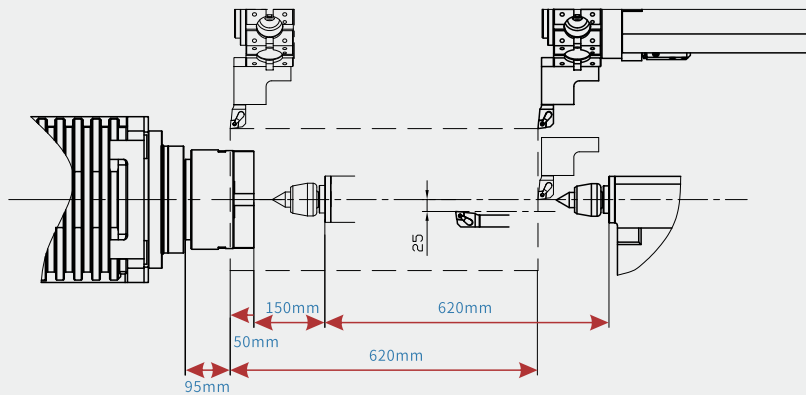
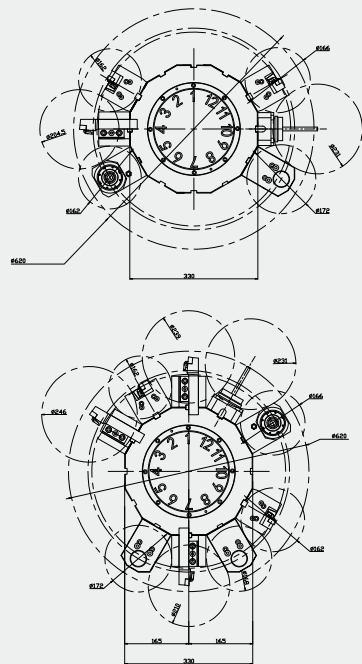
Spindle Speed: 4000rpm
Spindle Power: 18.5 kW
Spindle Taper Hole: Φ62 Mm



Integrated Driven Tool Turret

The driven tool turret is characterized by high positioning accuracy, a compact design, and fast. It enables tool changes without lifting, thereby boosting machining efficiency.

Tool Interference Diagram



Technical Parameters



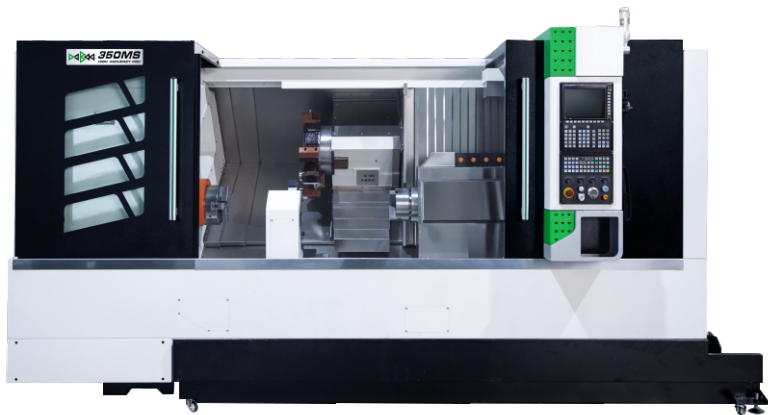
CONFIGURATION			200MY
Machining Capacity	Max. Swing Over Bed	mm	φ560
	Max. Swing Over Slide	mm	φ300
	Max. Processing Length	mm	560
	Max. Turning Diameter	mm	φ350
	Max. Diameter of Bar	mm	φ52
Spindle	Spindle Type		Built-in Spindle
	Spindle Head Type	Gb59001	A2-6
	Spindle Taper Hole	mm	φ62
	Spindle Speed Range	r/min	50-4000
	Spindle output torque	N·m	105
	Spindle Power	KW	18.5
	Chuck Type		Hydraulic Through chuck
Feed Rate	Chuck Size	Inch	8"
	Rapid Traverse Speed on X-axis	m/min	30
	Rapid Traverse Speed on Y-axis	m/min	10
	Rapid Traverse Speed on Z-axis	m/min	30
	Rapid Traverse Speed on Tailstock	m/min	25
	Servo Motor Torque on X-axis	N·m	15
	Servo Motor Torque on Y-axis	N·m	15
	Servo Motor Torque on Z-axis	N·m	15
	X-axis Travel	mm	180
	Y-axis Travel	mm	±50
	Z-axis Travel	mm	570
	Guideway Type/Width		Roller Linear Guideway
	Turret Type		12 Post Driven Tool Turret(BMT55)
Turret	Number of Tool Holders	Pc(s)	1U, 2 ID, 1 Face, 4 OD
	Tool Size	mm	25×25/φ40
Milling Head	Max. Speed	r/min	4500
	Tool Size		ER32
Tailstock	Tailstock Type		Servo Programmable
	Servo Motor Torque on Tailstock	N·m	7.2
	Tailstock Travel	mm	620
	Tailstock Sleeve Taper		MT5
Power Source	Rated Total Power	kW	43
	Rated Total Current	A	95
Dimension	Machine Weight	kg	4500
	Machine Size	L×W×H(mm)	2790×1900×1940
Other	Optional		Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

350/350MS

Built-in Spindle A2-8/ Servo Turret 12-Station/ Hydraulic Through Chuck 10-inch
Servo Programmable Tailstock/Roller Linear Guideway

- 19
- 1 The 350 series machine tools integrate the 35° stepped bed guideway, A2-8 high - power spindle, and servo turret or driven tool turret (milling turret).
 - 2 The servo tailstock is standard configuration. Additionally, optional functional components such as a programmable hydraulic steady rest and a sub-spindle are available for machining slender shafts.
 - 3 Multiple processes such as turning, milling, boring, drilling, tapping, and reaming can be completed with a single clamping. This can reduce the number of clampings, improve machining accuracy, shorten the product manufacturing process chain, and increase production efficiency.



Technical Parameters



CONFIGURATION		350	350MS
Machining Capacity	Max. Swing Over Bed	mm	φ720
	Max. Swing Over Slide	mm	φ400
	Max. Processing Length	mm	1500 (1650 without Steady Rest)
	Max. Turning Diameter	mm	φ400
	Max. Diameter of Bar	mm	φ74
Spindle	Spindle Type	Built-in Spindle	
	Spindle Head Type	GB59001	A2-8
	Spindle Taper Hole	mm	φ86
	Spindle Speed Range	r/min	30-3000
	Spindle Output Torque	N·m	220
	Spindle Power	KW	26.5
	Chuck Type	Hydraulic Through chuck	
	Chuck Size	Inch	10"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	20
	Rapid Traverse Speed on Z-axis	m/min	15
	Rapid Traverse Speed on Z1-axis	m/min	15
	Servo Motor Torque on X-axis	N·m	18
	Servo Motor Torque on Z-axis	N·m	22
	Servo Motor Torque on Z1-axis	N·m	15
	X-axis Travel	mm	320
	Z-axis Travel	mm	1500
	Z1-axis Travel	mm	1500
	Guideway Type	Roller Linear Guideway	
Turret	Turret Type	Hydraulic Servo 12 Post	
	Tool size	mm	25×25/φ40
Milling Head	Max. Speed	r/min	-
	Tool Size		ER40
Tailstock	Tailstock Type	Servo Programmable	
	Tailstock Travel	mm	1500
	Tailstock Sleeve Taper		MT5
Power Source	Rated Total Power	kW	48
	Rated Total Current	A	100
Dimension	Machine Weight	kg	8600
	Machine Size	L×W×H(mm)	4000×2100×2300
Other	Optional	Chip Conveyor	
	Optional	Steady Rest	

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

Built-In Spindle

The spindle is driven by a high-torque, high-efficiency, and high-performance permanent magnet synchronous motor. Additionally, P4 double-row short cylindrical roller bearings are adopted. This setup ensures the spindle's high precision, rigidity, and stability.

Spindle Speed: 3000rpm
Spindle Power: 26.5 kW
Spindle Taper Hole: Ø86 mm

Sub-spindle

The sub-spindle holds and turns a workpiece for it to be machined at the front and back sides. This means one clamping completes all or most of the turning processes, reducing manual intervention and improving the machining efficiency.

Sub-spindle Speed: 4000rpm
Sub-spindle Power: 22 kW

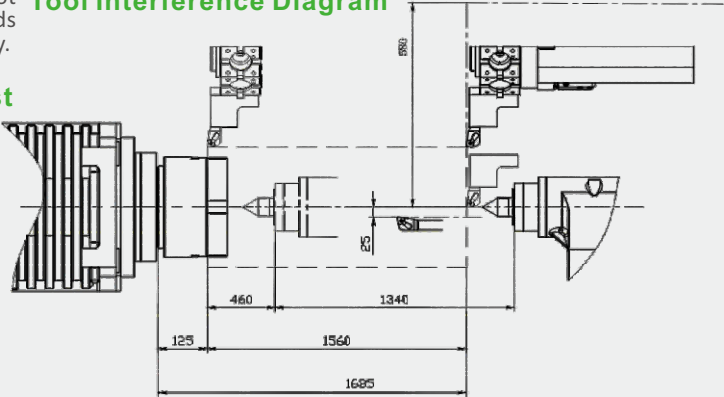
Integrated Driven Tool Turret

The driven tool turret is characterized by high positioning accuracy, a compact design, and fast. It enables tool changes without lifting, thereby boosting machining efficiency.

Servo Tailstock

Servo motor control enables a rapid response to control signals, guaranteeing precise adjustment of position and clamping force during machining. This significantly enhances production efficiency and machining precision.

Tool Interference Diagram

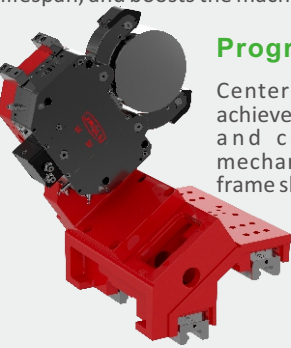


Integrated Servo Turret

The turret and the carriage are integrated and directly connected to the linear guideway, making the structure more compact. With the same structural dimensions, a larger end gear disc can be used, increasing rigidity and stability. When indexing and locking, the tool disc does not have a lifting action, which preserves precision, extends lifespan, and boosts the machine tool's machining efficiency.

Programmable Steady Rest

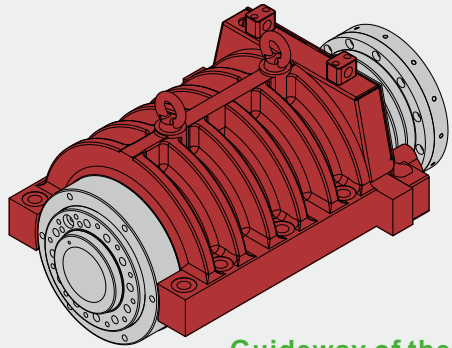
Center frame interpolation is achieved by using an independent and compact screw drive mechanism to pull the center frameslide.



Z600/Z700

A2-8 Servo Spindle + BBT40 Built-in Spindle with Live Tool/ Indexing Chuck or Hydraulic Chuck for Servo Spindle
Servo Turret + ATC 7 /Roller Linear Guideway

- 21
- 1 The integrated hydraulic servo turret is compact and reliably precise.
 - 2 The bed guideway adopts a high and low rail design and is integrally cast with resin sand. With multiple aging and heat treatment processes, the machine can maintain optimal precision and rigidity for a long time.
 - 3 Hydraulic monitoring and adjustment can be easily operated using knobs on the front panel.
 - 4 The ergonomic machine adopts 45° internal design, which makes the workpiece closer to the human body and facilitates chip discharge (rear or side chip discharge as needed).
 - 5 The machine with an electrical cabinet has good sealing performance and uses the heat exchanger to ensure normal operation in a high - temperature and high - humidity environment.



Headstock

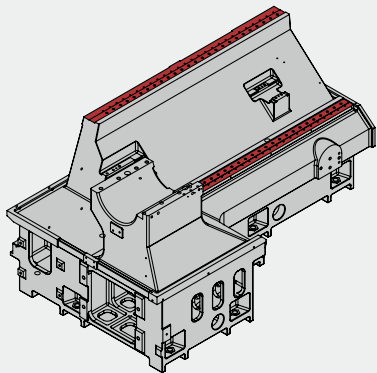
Improvements are made to the heat dissipation air duct and heat sink of the spindle headstock, reducing the temperature rise of the spindle box by **15%**.

Spindle Speed: 2000rpm
Spindle Power: 18.5kW
Spindle Taper Hole: Φ86 mm

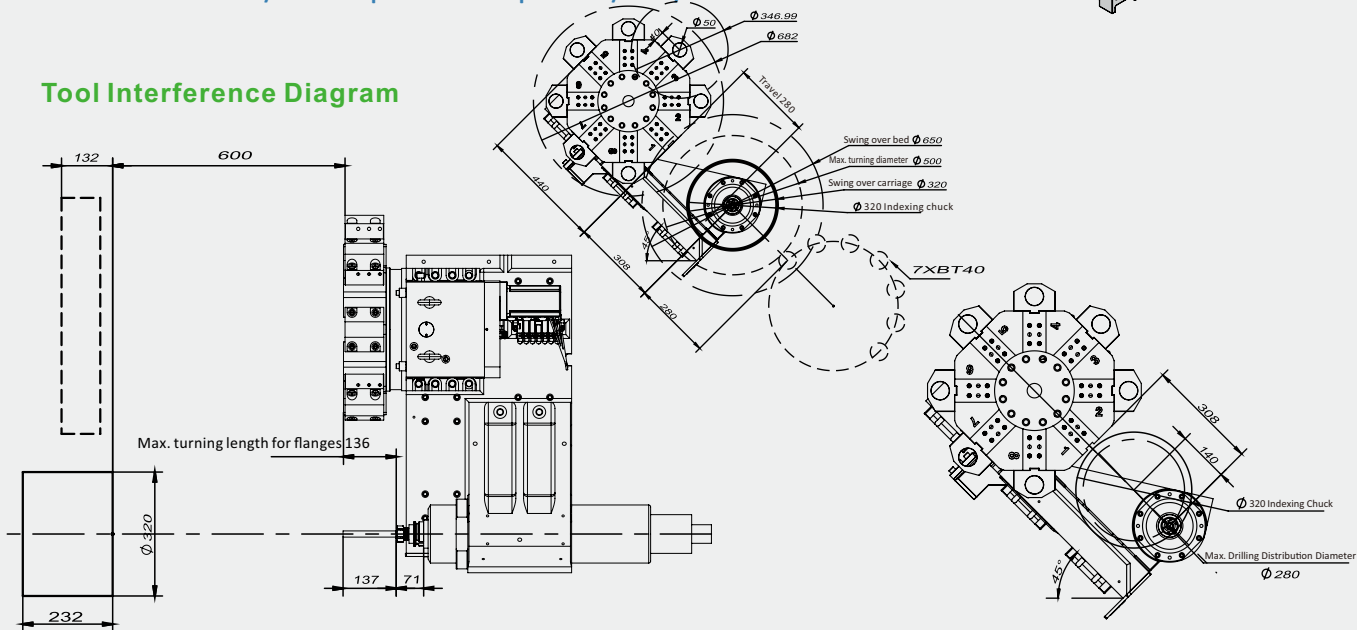
Guideway of the Bed

The bed guideway adopts the 45° high-low rail structure used in Japanese-style machine tools, ensuring the rigidity, precision, and stability of the machine during heavy-cutting operations. The automated loading and unloading unit (if selected) is integrated with the machine, significantly reducing the floor space.

X/Z-axis Travel: 270/600 mm
X/Z-axis Rapid Traverse Speed: 25/25 m/min



Tool Interference Diagram



Technical Parameters



22

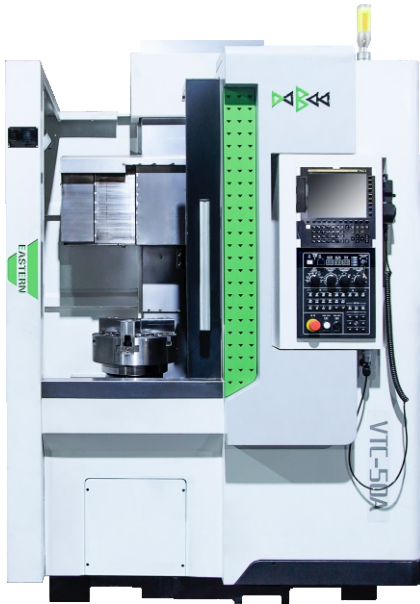
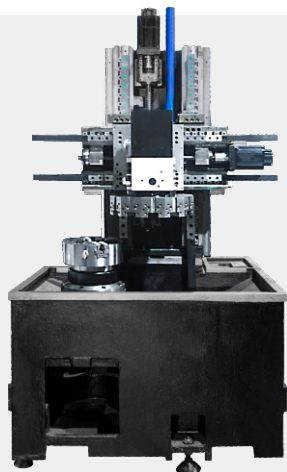
CONFIGURATION		Z600	Z700
Machining Capacity	Max. Swing Over Bed	mm	Φ500
	Max. Swing Over Slide	mm	Φ320
	Max. Processing Length	mm	600 (320,if with the indexing chuck)
	Max. Turning Diameter	mm	Φ450
	Max. Diameter of Bar	mm	Φ74
Spindle	Spindle Type	Servo Spindle	Servo Spindle
	Spindle Head Type	GB59001	A2-8
	Spindle Taper Hole	mm	Φ86
	Spindle Speed Range	r/min	50-2000
	Spindle Output Torque	N·m	220
	Chuck Type	Hydraulic Through Chuck	Hydraulic Through Chuck
Sub-spindle	Chuck Size	GB59001	10"
	Sub-Spindle Type	r/min	Built-in Spindle
	Sub-Spindle Head Type	N·m	BBT40
	Sub-Spindle Speed Range		50-4000
	Sub-Spindle Output Torque	Inch	81
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	22
	Servo Motor Torque on Z-axis	N·m	18
	X-axis Travel	mm	270
	Z-axis Travel	mm	600
	Guideway Type/Width	Roller Linear Guideway	Roller Linear Guideway
Turret	Turret Type	Hydraulic Servo 8 Post Tool Turret, BBT40 Live Tool on The Sub Spindle	Hydraulic Servo 8 Post Tool Turret ,BBT40 Live Tool on The Sub Spindle
	Number of Tool Holders	5 Boring, 1 Face	5 Boring, 1 Face
	Tool Size	mm	32×32/φ50
Tool magazine	Tool Magazine Type	Disc-type,servo drive	Disc-type, servo drive
	Tool Capacity		7
	U Drill Size		Φ32
Power Source	Rated Total Power	KW	48
	Rated Total Current	A	106
Dimension	Machine Weight	Kg	5000
	Machine Size	L×W×H(mm)	2800×1750×1950
Other	Optional		Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

VTC50

A2-8 Servo Spindle/Hydraulic None Through Chuck 12-inch
Servo Turret 12-station/Roller Linear Guideway

- 23
- 1 Built on cutting-edge technologies at home and abroad, the vertical lathe VTC50 is economical, efficient, energy-saving, and environmentally friendly, the first choice for machining complex disc and short shaft parts in automobile, water pump, motor, and other industries.
 - 2 This machine adopts an extended heavy-duty roller linear guideway, which has good cutting rigidity, dynamic response performance, good precision retention, and a long service life.
 - 3 This machine can turn various threads, arcs, cones, and inner and outer curved surfaces of rotating parts. It can also meet the speed requirement for cutting ferrous and non-ferrous metal materials.
 - 4 This machine is mainly used for machining large and heavy workpieces with large radial dimensions, small axial dimensions, and complex shapes. Additional devices can be installed for milling or grinding.



Bed Features

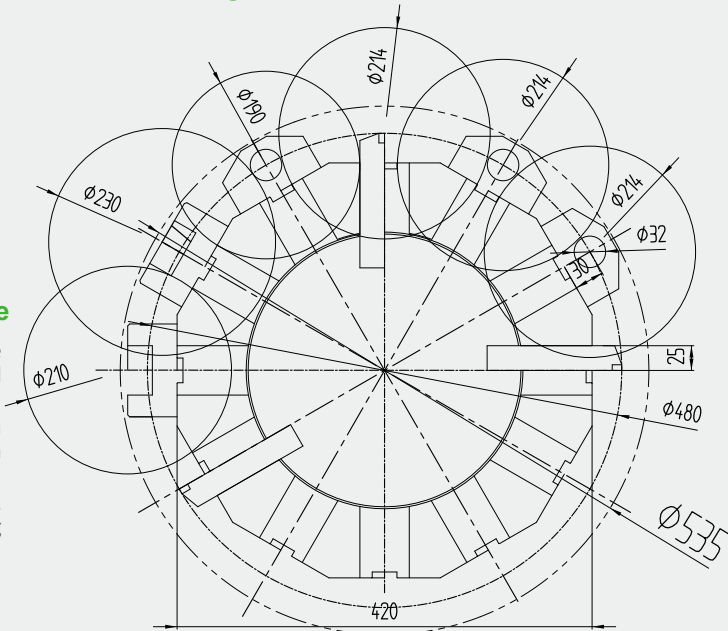
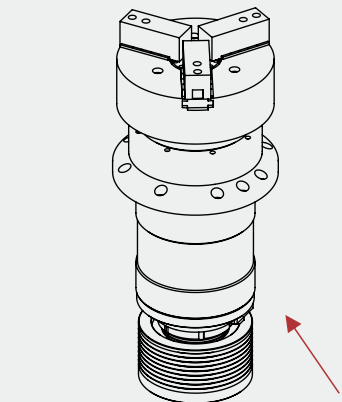
- 1 The bed features excellent shock absorption due to its high-strength inoculated cast iron construction.
- 2 One of the prominent bed features is the large chip discharge opening with a wide angle, which effectively dissipates cutting heat.
- 3 The bed features a rigid structure and good precision retention, thanks to the finite element analysis(FEA) and proper rib layout.

Nitrogen Balance System

- 1 The high-pressure nitrogen in the accumulator is used to balance the slide weight, which enables high-speed and high-precision machining, reduces the servo motor load, and maintains the machine precision in the long run.
- 2 The balancer requires no power system, which is energy-saving and environmentally friendly.



Tool Interference Diagram



High - Performance Integrated Unit Spindle

- 1 The integrated unit spindle meets the machine tool's demands for high rigidity, speed, and precision simultaneously.
- 2 With a 0.02mm gap from the machine bed and a large contact area, the spindle features high rigidity and good shock absorption.
- 3 The spindle has a tight seal against foreign objects, ensuring stable operation in harsh machining conditions.

Spindle Speed: 3000 rpm
Spindle Power: 15kW

Technical Parameters



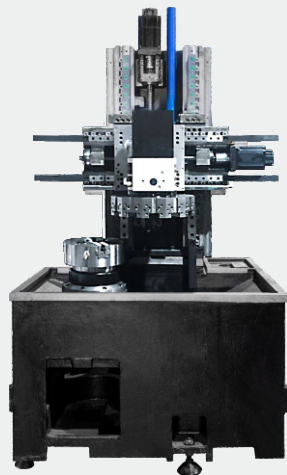
CONFIGURATION			VTC50
Machining Capacity	Max. Swing Over Bed	mm	Φ550
	Max. Turning Height	mm	390
	Max. Cutting Diameter	mm	Φ500
Spindle	Spindle Type		Servo
	Spindle Head Type	GB59001	A2-8
	Spindle Speed Range	R/min	50-3000
	Spindle Output Torque	N·m	300
	Spindle Power	KW	15
	Chuck Type		Hydraulic None Through chuck
Feed Rate	Chuck Size	Inch	12"
	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	10
	Servo Motor Torque on Z-axis	N·m	15
	X-axis Travel	Mm	255
	Z-axis Travel	Mm	390
Turret	Guideway Type		Roller Linear Guideway
	Turret Type		Hydraulic Servo 12 Post Tool Turret
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face
	External Turning Tool Size	mm	25×25
Power Source	Boring Tool Size	mm	Φ40
	Rated Total Power	KW	25
Dimension	Rated Total Current	A	52
	Machine Weight	Kg	5050
Machine Size		L×W×H(mm)	1600×1950×2450

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VTC65/VTC80

Modular Spindle/ Hydraulic None Through Chuck/Roller Linear Guideway

- 25
- 1 Built on cutting-edge technologies at home and abroad, the vertical lathe VTC65/VTC80 is economical, efficient, energy-saving, and environmentally friendly, the first choice for machining complex disc and short shaft parts in automobile, water pump, motor, and other industries.
 - 2 This machine adopts an extended heavy-duty roller linear guideway, which has good cutting rigidity, dynamic response performance, good precision retention, and a long service life.
 - 3 This machine can turn various threads, arcs, cones, and inner and outer curved surfaces of rotating parts. It can also meet the speed requirement for cutting ferrous and non-ferrous metal materials.
 - 4 This machine is mainly used for machining large and heavy workpieces with large radial dimensions, small axial dimensions, and complex shapes. Additional devices can be installed for milling or grinding.



Bed Features

- 1 The bed features excellent shock absorption due to its high-strength inoculated cast iron construction.
- 2 One of the prominent bed features is the large chip discharge opening with a wide angle, which effectively dissipates cutting heat.
- 3 The bed features a rigid structure and good precision retention, thanks to the finite element analysis (FEA) and proper rib layout.

Nitrogen Balance System

- 1 The high-pressure nitrogen in the accumulator is used to balance the slide weight, which enables high-speed and high-precision machining, reduces the servo motor load, and maintains the machine precision in the long run.
- 2 The balancer requires no power system, which is energy-saving and environmentally friendly.

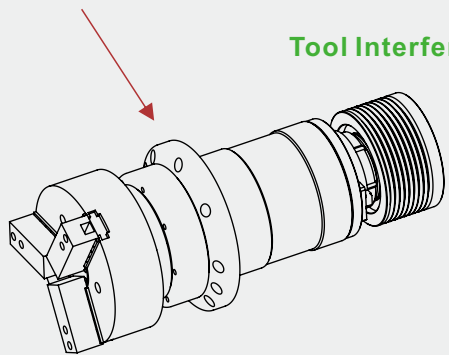


High - Performance Integrated Unit Spindle

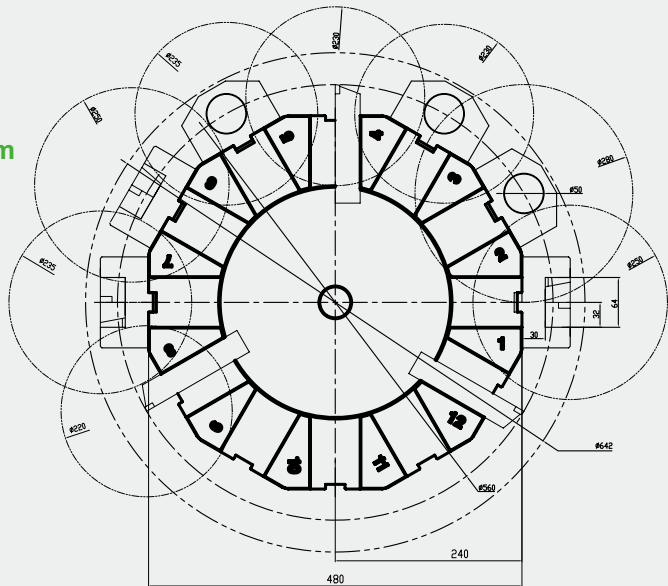
- 1 The integrated unit spindle meets the machine tool's demands for high rigidity, speed, and precision simultaneously.
- 2 With a 0.02mm gap from the machine bed and a large contact area, the spindle features high rigidity and good shock absorption.
- 3 The spindle has a tight seal against foreign objects, ensuring stable operation in harsh machining conditions.

Spindle Speed: 1800 rpm

Spindle Power: 18.5kW



Tool Interference Diagram



Technical Parameters



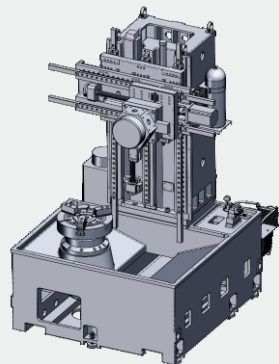
CONFIGURATION			VTC65	VTC80
Machining Capacity	Max. Swing Over Bed	mm	Φ720	Φ900
	Max. Turning Height	mm	650	650
	Max. Cutting Diameter	mm	Φ650	Φ800
Spindle	Spindle Type		Servo	Servo
	Spindle Head Type	GB59001	A2-11	A2-15
	Spindle Speed Range	R/min	50-1800	50-1200
	Spindle Output Torque	N·m	800	Rated 900, Max. 1200
	Spindle Power	KW	18.5	22
	Chuck Type		Hydraulic None Through Chuck	Hydraulic None Through Chuck
	Chuck Size	Inch	15"	21"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	25	25
	Rapid Traverse Speed on Z-axis	m/min	25	25
	Servo Motor Torque on X-axis	N·m	18	18
	Servo Motor Torque on Z-axis	N·m	22	22
	X-axis Travel	Mm	370	550 or 445
	Z-axis Travel	Mm	700	700 or 600
	Guideway Type		Roller Linear Guideway	Roller Linear Guideway
Turret	Turret Type		Hydraulic Servo 12 Tool Post Turret	Vertical 5 Tool Post Turret
	Number of Tool Holders	Pc(s)	1U, 2 Borings, 1 Face	2 Borings, 3 Squares
	External Turning Tool Size	mm	32×32	32×32
	Boring Tool Size	mm	Φ50	Φ50
Power Source	Rated Total Power	KW	30	37
	Rated Total Current	A	65	90
Dimension	Machine Weight	Kg	8500	9450
	Machine Size	L×W×H(mm)	1800×2000×3100	1900×2200×3100

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

VTC100

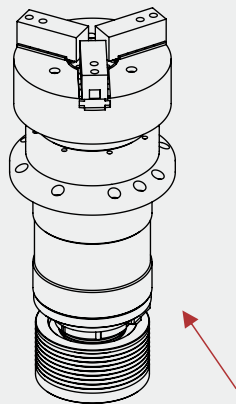
Modular Spindle/ A2-15/ Hydraulic None Through Chuck 21-inch
Vertical Five-station Tool Turret/Roller Linear Guideway

- 27
- 1 Built on cutting-edge technologies at home and abroad, the Vertical Lathe VTC100 is economical, efficient, energy-saving, and environmentally friendly, the first choice for machining complex disc and short shaft parts in automobile, water pump, motor, and other industries.
 - 2 This machine adopts an extended heavy-duty roller linear guideway, which has good cutting rigidity, dynamic response performance, good precision retention, and a long service life.
 - 3 This machine can turn various threads, arcs, cones, and inner and outer curved surfaces of rotating parts. It can also meet the speed requirement for cutting ferrous and non-ferrous metal materials.
 - 4 This machine is mainly used for machining large and heavy workpieces with large radial dimensions, small axial dimensions, and complex shapes. Additional devices can be installed for milling or grinding.



Bed Features

- 1 The bed features excellent shock absorption due to its high-strength inoculated cast iron construction.
- 2 One of the prominent bed features is the large chip discharge opening with a wide angle, which effectively dissipates cutting heat.
- 3 The bed features a rigid structure and good precision retention, thanks to the finite element analysis(FEA) and proper rib layout.

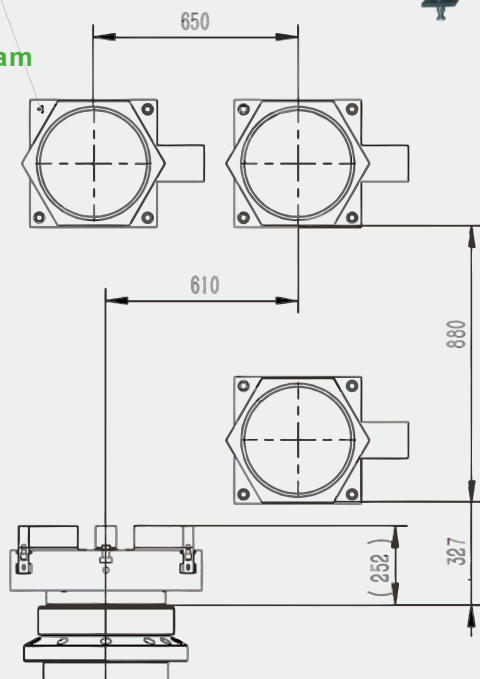


Nitrogen Balance System

- 1 The high-pressure nitrogen in the accumulator is used to balance the slide weight, which enables high-speed and high-precision machining, reduces the servo motor load, and maintains the machine precision in the long run.
- 2 The balancer requires no power system, which is energy-saving and environmentally friendly.



Tool Interference Diagram



High - Performance Integrated Unit Spindle

- 1 The integrated unit spindle meets the machine tool's demands for high rigidity, speed, and precision simultaneously.
- 2 With a 0.02mm gap from the machine bed and a large contact area, the spindle features high rigidity and good shock absorption.
- 3 The spindle has a tight seal against foreign objects, ensuring stable operation in harsh machining conditions.

Spindle Speed: 1000 rpm
Spindle Power: 22kW

Technical Parameters



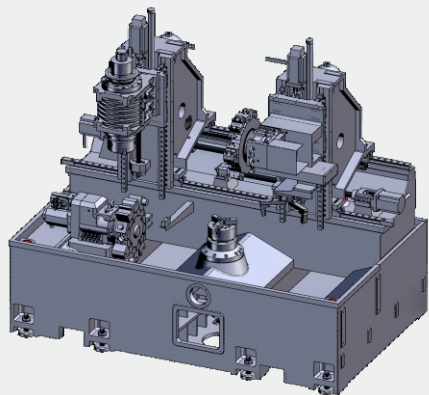
CONFIGURATION			VTC100
Machining Capacity	Max. Swing Over Bed	mm	Φ1100
	Max. Turning Height	mm	800
	Max. Cutting Diameter	mm	Φ1000
Spindle	Spindle Type		Servo
	Spindle Head Type	GB59001	A2-15
	Spindle Speed Range	R/min	50-1000
	Spindle Output Torque	N·m	1200
	Spindle Power	KW	22
	Chuck Type		Hydraulic None Through Chuck
Feed Rate	Chuck Size	Inch	21"
	Rapid Traverse Speed on X-axis	m/min	20
	Rapid Traverse Speed on Z-axis	m/min	15
	Servo Motor Torque on X-axis	N·m	22
	Servo Motor Torque on Z-axis	N·m	30
	X-axis Travel	Mm	650
	Z-axis Travel	Mm	880
Turret	Guideway Type		Roller Linear Guideway
	Turret Type		Vertical 5 Tool Post Turret
	Number of Tool Holders	Pc(s)	2 Boring, 3 Square
	External Turning Tool Size	mm	32×32
Power Source	Boring Tool Size	mm	Φ50
	Rated Total Power	KW	40
Dimension	Rated Total Current	A	85
	Machine Weight	Kg	13000
Dimension	Machine Size	L×W×H(mm)	2400×3600×3600

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

DVT300

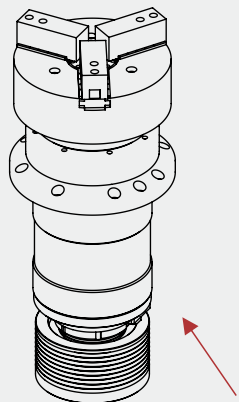
Built-in Spindle (A2-6)*2 /Hydraulic None Through Chuck (8-inch)*2
Turret*2/Roller Linear Guideway

- 29
- 1 Built on cutting-edge technologies at home and abroad, the Dual-mode Vertical Lathe DVT300 is economical, efficient, energy-saving, and environmentally friendly, the first choice for machining complex disc and short shaft parts in automobile, water pump, motor, and other industries.
 - 2 This machine adopts an extended heavy-duty roller linear guideway, which has good cutting rigidity, dynamic response performance, good precision retention, and a long service life.
 - 3 This machine can turn various threads, arcs, cones, and inner and outer curved surfaces of rotating parts. It can also meet the speed requirement for cutting ferrous and non-ferrous metal materials.
 - 4 This machine is mainly used for machining large and heavy workpieces with large radial dimensions, small axial dimensions, and complex shapes. Additional devices can be installed for milling or grinding.



Bed Features

- 1 The bed features excellent shock absorption due to its high-strength inoculated cast iron construction.
- 2 One of the prominent bed features is the large chip discharge opening with a wide angle, which effectively dissipates cutting heat.
- 3 The bed features a rigid structure and good precision retention, thanks to the finite element analysis(FEA) and proper rib layout.



High - Performance Integrated Unit Spindle

- 1 The integrated unit spindle meets the machine tool's demands for high rigidity, speed, and precision simultaneously.
- 2 With a 0.02mm gap from the machine bed and a large contact area, the spindle features high rigidity and good shock absorption.
- 3 The spindle has a tight seal against foreign objects, ensuring stable operation in harsh machining conditions.

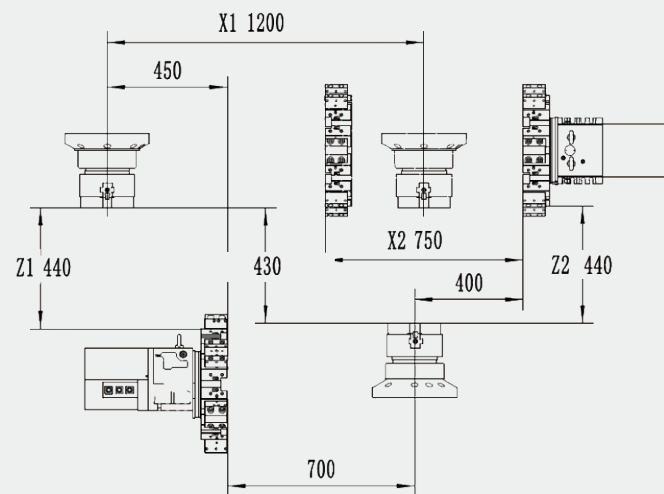
Spindle Speed: 4000 rpm
Spindle Power: 22KW

Nitrogen Balance System

- 1 The high-pressure nitrogen in the accumulator is used to balance the slide weight, which enables high-speed and high-precision machining, reduces the servo motor load, and maintains the machine precision in the long run.
- 2 The balancer requires no power system, which is energy-saving and environmentally friendly.



Tool Interference Diagram



Technical Parameters



CONFIGURATION			DVT300
Machining Capacity	Max. Swing Over Bed	mm	Φ450
	Max. Turning Height	mm	400
	Max. Cutting Diameter	mm	Φ300
Spindle	Spindle Type		Built-in spindle × 2
	Spindle Head Type	GB59001	A2-6
	Spindle Speed Range	R/min	50-4000
	Spindle Output Torque	N·m	286
	Spindle Power	KW	22
	Chuck Type		Hydraulic None Through Chuck
Feed Rate	Chuck Size	Inch	8"
	Rapid Traverse Speed on X-axis	m/min	25
	Rapid Traverse Speed on Z-axis	m/min	25
	Servo Motor Torque on X-axis	N·m	15
	Servo Motor Torque on Z-axis	N·m	10
	X-axis Travel	Mm	X1:1200 X2:750
	Z-axis Travel	Mm	Z1/Z2:750
Turret	Guideway Type		Roller Linear Guideway
	Turret Type		Hydraulic Servo 12 Tool Post Turret
	Number of Tool Holders	Pc(s)	1U, 2 Boring, 1 Face
	External Turning Tool Size	mm	25×25
Power Source	Boring Tool Size	mm	Φ40
	Rated Total Power	KW	36
Dimension	Rated Total Current	A	73
	Machine Weight	Kg	10000
Dimension	Machine Size	L×W×H(mm)	2900×2500×2600

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CK1000

A2-15 Servo Spindle/Manual 630mm Four-jaw Chuck/Manual Tailstock/Four-station Turret/Rectangular Guideway

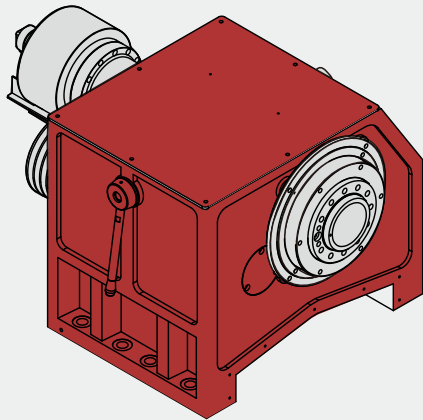
- 31
- 1 The machine tool has an integral flat bed, ensuring accuracy stability during heavy cutting. The X and Z axes feature square rectangular hardened guideways, suitable for heavy cutting and long - term accuracy maintenance.
 - 2 The spindle box uses three-speed transmission with a 1:30 ratio. Paired with heavy-duty bearings and a servo motor, it offers high torque, rigidity, and precision for continuous heavy cutting.
 - 3 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting.
 - 4 The lathe has full guideway protection. The coolant tank and chip conveyor are separated from the main unit to prevent thermal cutting from affecting machining accuracy. Edge design stops iron chips and coolant from splashing out during heavy cutting and high - pressure spraying.



Spindle

The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

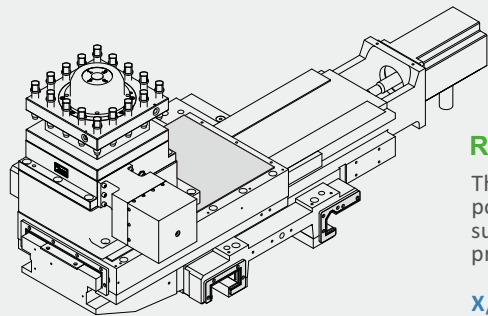
Spindle Power: 15 kW
Spindle Taper Hole: Φ121 mm



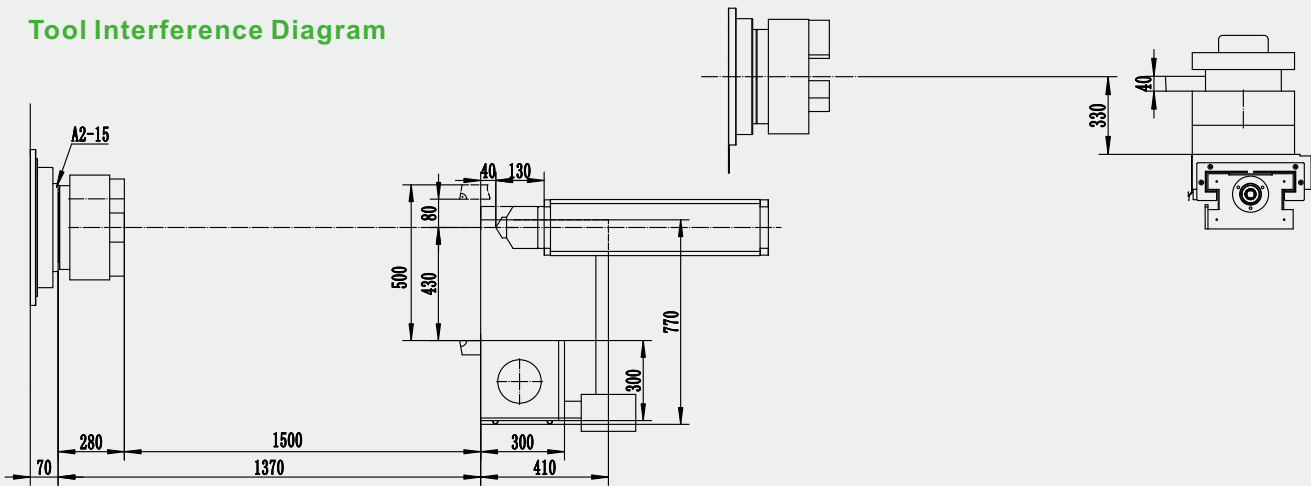
Rectangular Guideways

The flat bed structure is suitable for high speed machining with high positioning accuracy. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.

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



Tool Interference Diagram



Technical Parameters



CONFIGURATION			CK1000
Machining Capacity	Max. Swing Over Bed	mm	Φ1000
	Max. Swing Over Slide	mm	Φ630
	Max. Processing Length	mm	1500
	Max. Processing Diameter	mm	Φ850
Spindle	Spindle Shift Mode		Stepless Speed Variation within Each Gear
	Spindle Head Type	Gb59001	A2-15
	Spindle Taper Hole	mm	Φ121
	Spindle Speed Range	R/min	(3-Gear) A:50-300 B:300-700 ,C: 700-1000
	Spindle Output Torque	N·m	5000
	Main Motor Power	KW	15
	Chuck Type		Manual Chuck
	Chuck Size	mm	Φ630
Feed Rate	Rapid Traverse Speed on X-axis	m/min	10
	Rapid Traverse Speed on Z-axis	m/min	12
	Servo Motor Torque on X-axis	N·m	18
	Servo Motor Torque on Z-axis	N·m	22
	X-axis Travel	mm	500
	Z-axis Travel	mm	1600
	Guideway Width	mm	600
	Guideway Type	mm	Rectangular Guideway
Turret	Turret Type		Electric 4 Post Turret (Single)
	Tool Size	mm	40×40
	Turret Indexing Time	s	1.5/90 2.4/180 3.4/270
	Turret Indexing Repeatability	mm	0.008
Tailstock	Tailstock Type		Manual
	Tailstock Sleeve Diameter	mm	120
	Tailstock Sleeve Travel	mm	200
	Tailstock Sleeve Taper		Mt6
Power Source	Rated Total Power	KW	26
	Rated Total Current	A	54
Dimension	Machine Weight	Kg	9500
	Machine Size	L×W×H(mm)	4300×2300×1950

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CK800/CK800L

A2-11 Servo Spindle/Manual 500mm Three-jaw Chuck/Four-station Turret/Rectangular Guideway

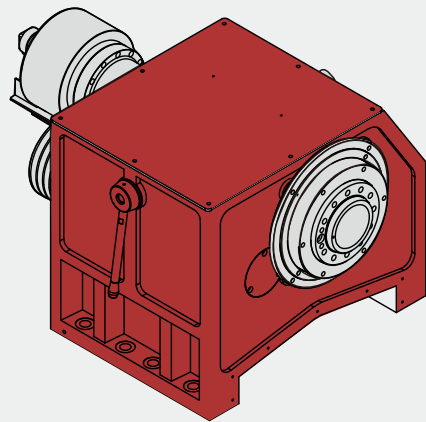
- 33
- 1 The machine tool has an integral flat bed, ensuring accuracy stability during heavy cutting. The X and Z axes feature square rectangular hardened guideways, suitable for heavy cutting and long - term accuracy maintenance.
 - 2 The spindle box uses three-speed transmission with a 1:30 ratio. Paired with heavy-duty bearings and a servo motor, it offers high torque, rigidity, and precision for continuous heavy cutting.
 - 3 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting.
 - 4 The lathe has full guideway protection. The coolant tank and chip conveyor are separated from the main unit to prevent thermal cutting from affecting machining accuracy. Edge design stops iron chips and coolant from splashing out during heavy cutting and high - pressure spraying.



Spindle

The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

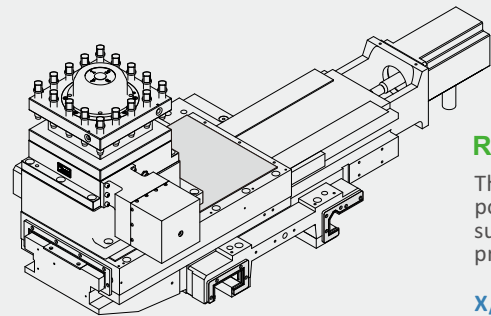
Spindle Power: 15 kW
Spindle Taper Hole: $\Phi 121$ mm



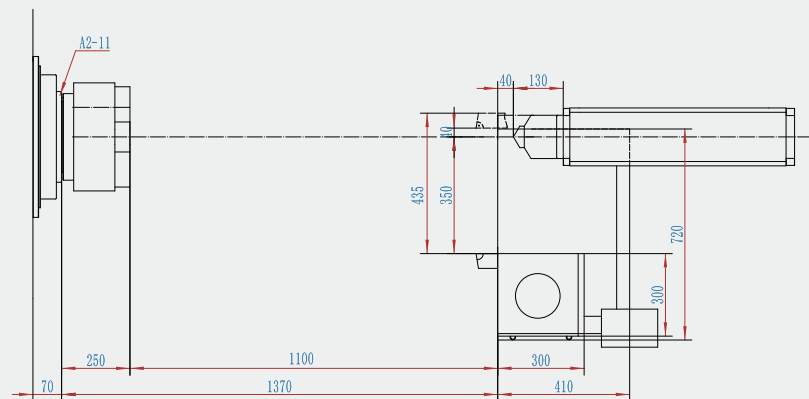
Rectangular Guideways

The flat bed structure is suitable for high speed machining with high positioning accuracy. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.

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



Tool Interference Diagram



Technical Parameters



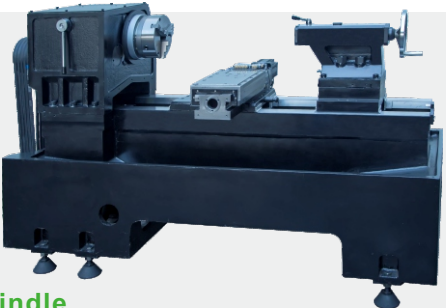
CONFIGURATION			CK800	CK800L
Machining Capacity	Max. Swing Over Bed	mm	$\Phi 860$	$\Phi 860$
	Max. Swing Over Slide	mm	$\Phi 550$	$\Phi 550$
	Max. Processing Length	mm	1000	1100
	Max. Processing Diameter	mm	$\phi 690$	$\Phi 700$
Spindle	Spindle Shift Mode	GB59001	Stepless Speed Variation within Each Gear	Stepless Speed Variation within Each Gear
	Spindle Head Type		A2-11	A2-11
	Spindle Taper Hole	mm	$\Phi 121$	$\Phi 121$
	Spindle Speed Range	R/min	(3-Gear) A:50-300 B:300-700 ,C: 700-1000	(3-Gear) A:50-300 B:300-700 ,C: 700-1000
	Spindle Output Torque	N·m	4100	4100
	Main Motor Power	KW	15	15
	Chuck Type		Manual chuck	Manual chuck
	Chuck Size	mm	$\Phi 500$	$\Phi 500$
Feed Rate	Rapid Traverse Speed on X-axis	m/min	10	10
	Rapid Traverse Speed on Z-axis	m/min	12	12
	Servo Motor Torque on X-axis	N·m	18	18
	Servo Motor Torque on Z-axis	N·m	22	22
	X-axis Travel	mm	445	480
	Z-axis Travel	mm	1100	1200
	Guideway Width	mm	600	600
	Guideway Type		Rectangular Guideway	Rectangular Guideway
Turret	Turret Type		Electric 4 Post Turret (2nd Turret is Optioanl)	Electric 4 Post Turret (Single Turret)
	Tool Size	mm	40×40	40×40
	Turret Indexing Time	S	1.5/90 2.4/180 3.4/270	1.5/90 2.4/180 3.4/270
	Turret Indexing Repeatability	mm	0.008	0.008
Tailstock	Tailstock Type		/	Manual
	Tailstock Sleeve Diameter	mm	/	120
	Tailstock Sleeve Travel	mm	/	130
	Tailstock Sleeve Taper		/	Mt6
Power Source	Rated Total Power	KW	26	26
	Rated Total Current	A	54	54
Dimension	Machine Weight	Kg	6800	8600
	Machine Size	L×W×H(mm)	3500×2300×1950	4060×2300×1950

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C6085/C6085-B

A2-8 Servo Spindle/ Manual 320mm Chuck/Four-station Turret/ Manual Tailstock/Rectangular Guideway

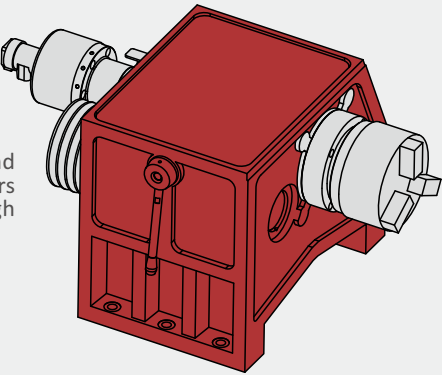
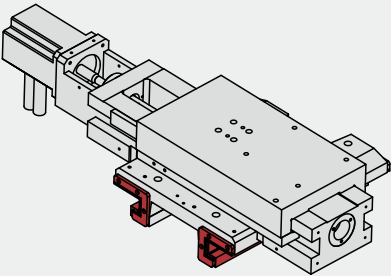
- 35
- 1 Integral fully enclosed protection, durable, stable operation, low noise, superior to similar products in waterproof, oil drain, dustproof and safety performance.
 - 2 The flat bed structure is suitable for high-speed machining and precise positioning. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.
 - 3 The spindle box adopts stepless speed change. Paired with heavy-duty bearings and a servo motor, it offers high torque, rigidity, and precision for continuous heavy cutting.
 - 4 The electrical cabinet has good sealing performance and is equipped with heat exchanger to ensure proper running of the CNC system in high-temperature and high-humidity environments.
 - 5 The optional chip conveyor is streamlined and has smooth chip removal. It is compact, efficient, safe, reliable, and operates with low noise, and it is equipped with overload protection.



Integrated Bed
This structure enables the resistance to deformation to be improved and the rigidity to be enhanced.

Spindle
The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

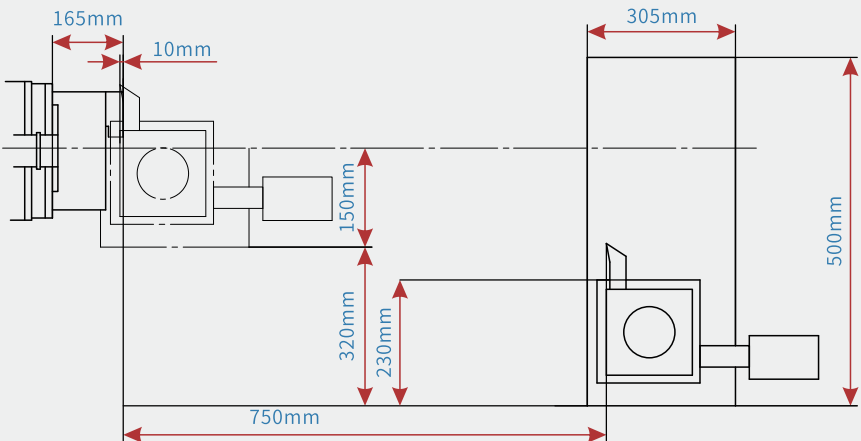
Spindle Power: 11kW
Spindle Taper Hole: Φ102 mm



Rectangular Guideways
The flat bed structure is suitable for high speed machining with high positioning accuracy. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.

X/Z-axis Travel: 310/900mm
X/Z-axis Rapid Traverse Speed: 15/20 m/min

Tool Interference Diagram



Technical Parameters

EASTCNC

CONFIGURATION			C6085	C6085-B
Machining Capacity	Max. Swing Over Bed	mm	Φ600	Φ600
	Max. Swing Over Slide	mm	Φ400	Φ400
	Max. Processing Length	mm	850	850
	Max. Processing Diameter	mm	Φ520	Φ520
Spindle	Spindle Shift Mode		Stepless Speed Variation within Each Gear	
	Spindle Head Type	GB59001	A2-8	A2-8
	Spindle Taper Hole	mm	Φ102	Φ102
	Spindle Speed Range	R/min	50-300; 300-700; 700-1000	50-1500
	Spindle Output Torque	N·m	2200	180
	Main Motor Power	KW	11	11
	Chuck Type		Manual chuck	Manual chuck
	Chuck Size	mm	Φ320	Φ320
Feed Rate	Rapid Traverse Speed on X-axis		15	15
	Rapid Traverse Speed on Z-axis		20	20
	Servo Motor Torque on X-axis	N·m	7.5	7.5
	Servo Motor Torque on Z-axis	N·m	10	10
	X-axis Travel	mm	310	310
	Z-axis Travel	mm	900	900
	Guideway Type		Rectangular Guideway	Rectangular Guideway
Turret	Turret Type		Electric 4 Post Turret	Electric 4 Post Turret
	Tool Size	mm	32×32	32×32
	Turret Indexing Time	S	1.5/90;2.4/180;3.4/270	1.5/90;2.4/180;3.4/270
	Turret Indexing Repeatability	mm	0.008	0.008
Tailstock	Tailstock Type		Manual	Manual
	Tailstock Sleeve Diameter	mm	Φ100	Φ100
	Tailstock Sleeve Travel	mm	200	200
	Tailstock Sleeve Taper		Mt6	MT6
Power Source	Rated Total Power	KW	17	17
	Rated Total Current	A	32	32
Dimension	Machine Weight	Kg	3715	3715
	Machine Size	L×W×H(mm)	3000×1540×1740	3000×1540×1740
Other	Optional		Chip conveyor	Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C5075/C5075-B

A2-8 Servo Spindle/Manual 250mm Chuck/ Four-station Turret/ Manual Tailstock/Rectangular Guideway

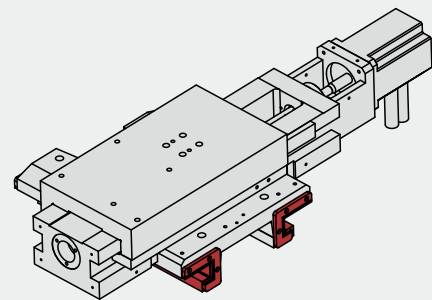
- 37
- 1 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting. A pair of 60° angular contact precision bearings are used for high speed and precision.
 - 2 The lathe has full guideway protection. The coolant tank and chip conveyor are separated from the main unit to prevent thermal cutting from affecting machining accuracy.
 - 3 Edge design stops iron chips and coolant from splashing out during heavy cutting and high - pressure spraying.
 - 4 The optional chip conveyor is streamlined and has smooth chip removal. It is compact, efficient, safe, reliable, and operates with low noise, and it is equipped with overload protection.



Spindle

The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

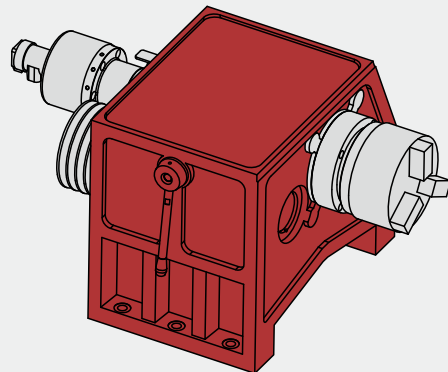
Spindle Power: 7.5kW
Spindle Taper Hole: Φ86 mm



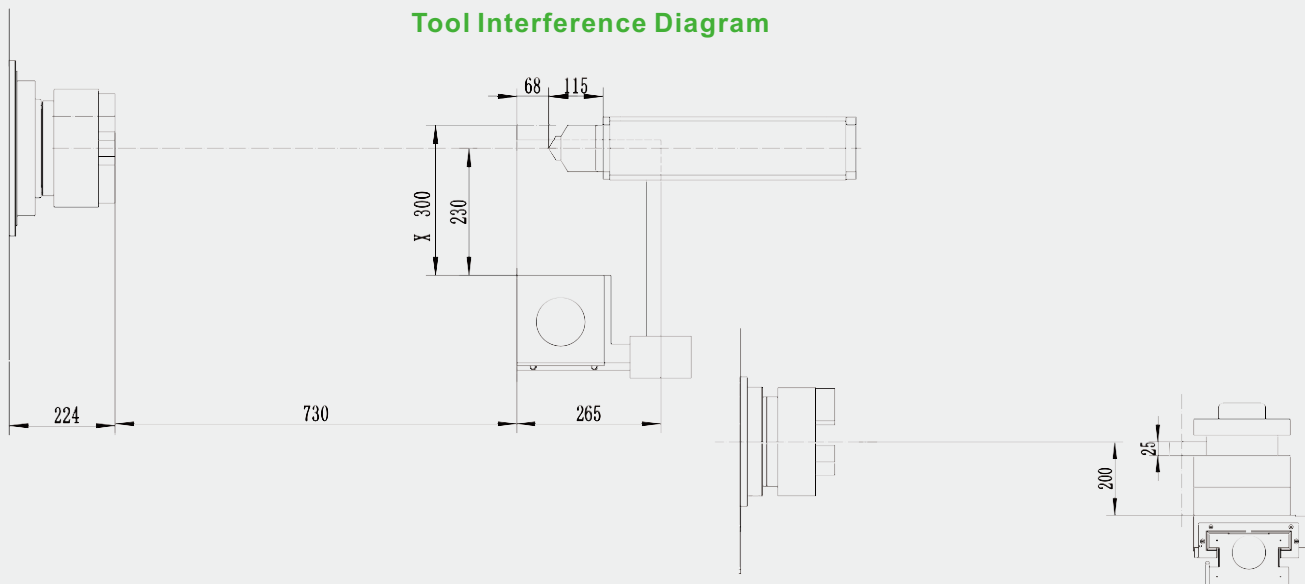
Rectangular Guideways

The flat bed structure is suitable for high speed machining with high positioning accuracy. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.

X/Z-axis Travel: 290/750 mm
X/Z-axis Rapid Traverse Speed: 16/16 m/min



Tool Interference Diagram



Technical Parameters



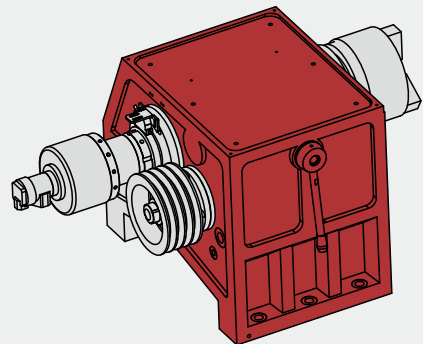
CONFIGURATION			C5075	C5075-B
Machining Capacity	Max. Swing Over Bed	mm	Φ500	Φ500
	Max. Swing Over Slide	mm	Φ400	Φ400
	Max. Processing Length	mm	720	720
	Max. Processing Diameter	mm	Φ450	Φ450
Spindle	Spindle Shift Mode		Stepless Speed Variation within Each Gear	
	Spindle Head Type		A2-8	
	Spindle Taper Hole		Φ86	
	Spindle Speed Range		10-200;200-600;600-1100	
	Spindle Output Torque		1600	
	Main Motor Power		7.5	
	Chuck Type		Manual chuck	
	Chuck Size		Φ250	
Feed Rate	Rapid Traverse Speed on X-axis		16	
	Rapid Traverse Speed on Z-axis		16	
	Servo Motor Torque on X-axis		7.5	
	Servo Motor Torque on Z-axis		7.5	
	X-axis Travel		290	
	Z-axis Travel		750	
	Guideway Type		Rectangular Guideway	
			Rectangular Guideway	
Turret	Turret Type		Electric 4 Post Turret	
	Tool Size		25×25	
	Turret Indexing Time		1.5/90; 2.4/180; 3.4/270	
	Turret Indexing Repeatability		0.008	
Tailstock	Tailstock Type		Manual	
	Tailstock Sleeve Diameter		Φ75	
	Tailstock Sleeve Travel		200	
	Tailstock Sleeve Taper		MT5	
Power Source	Rated Total Power		13	
	Rated Total Current		25	
Dimension	Machine Weight		3210	
	Machine Size		2660×1470×1780	
Other	Optional		Chip conveyor	

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C5055/C5055-B

Gear Shift/ 7.5KW Servo Main Motor/ A2-6/Hydraulic Through Chuck 8-inch/Four-station Turret
Rectangular Guideway/ No Tailstock

- 39
- 1 The flat bed structure and rectangular hard guideway are suitable for heavy cutting and ensure high rigidity and long-term cutting precision.
 - 2 The spindle box uses three-speed transmission. Paired with heavy-duty bearings and a servo motor, it offers high torque, rigidity, and precision for continuous heavy cutting.
 - 3 The integral bed structure could maintain the machining precision during heavy cutting.
 - 4 In addition to being controlled by the program, the clamping and unclamping of the hydraulic chuck can also be controlled by foot pedal switch for quick and easy control.
 - 5 Edge design stops iron chips and coolant from splashing out during heavy cutting and high - pressure spraying.
 - 6 Hydraulic pressure is adjusted via panel knobs with dial display, ensuring safe and convenient operation.



Spindle

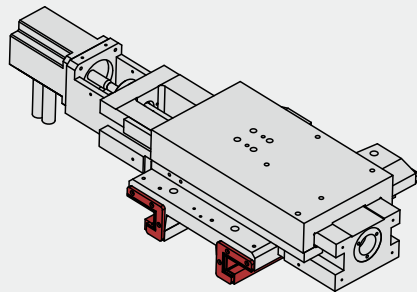
The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

Spindle Power: 7.5kW
Spindle Taper Hole: Φ70 mm

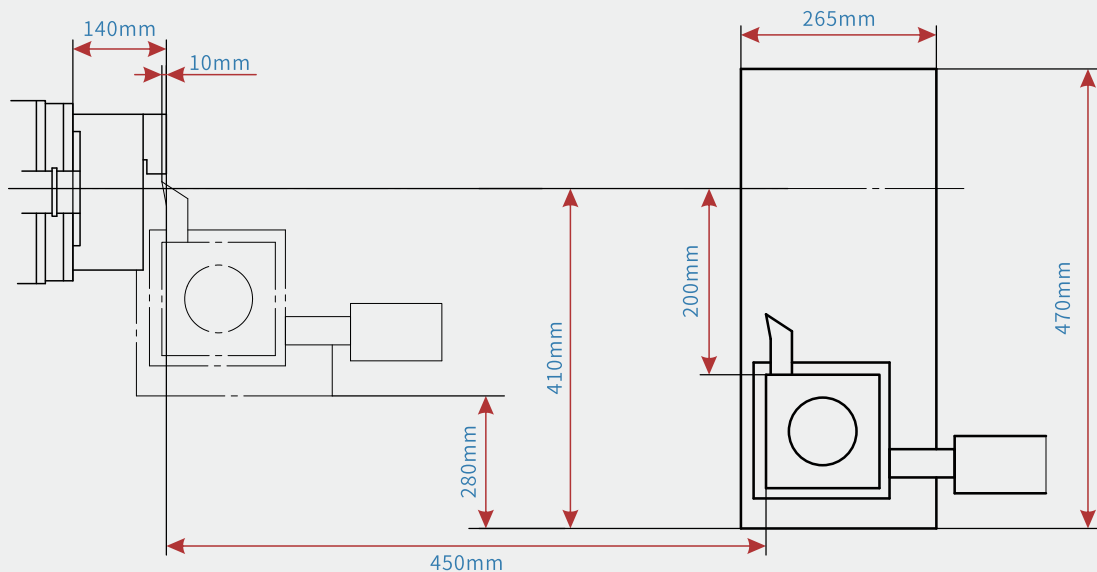
Rectangular Guideways

The flat bed structure is suitable for high speed machining with high positioning accuracy. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.

X/Z-axis Travel: 310/500 mm
X/Z-axis Rapid Traverse Speed: 15/15 m/min



Tool Interference Diagram



Technical Parameters



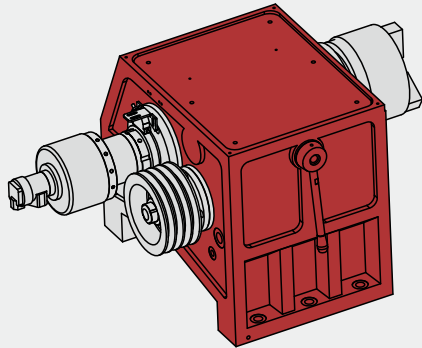
CONFIGURATION		C5055	C5055-B
Machining Capacity	Max. Swing Over Bed	mm	Φ500
	Max. Swing Over Slide	mm	Φ340
	Max. Processing Length	mm	450
	Max. Processing Diameter	mm	Φ400
Spindle	Spindle Shift Mode		Stepless Speed Variation within Each Gear
	Spindle Head Type	GB59001	A2-6
	Spindle Taper Hole	mm	Φ70
	Spindle Speed Range	R/min	26-200;200-655;655-1607
	Spindle Output Torque	N·m	1150
	Main Motor Power	KW	7.5
	Chuck Type		Hydraulic Through Chuck
	Chuck Size	inch	8"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	15
	Rapid Traverse Speed on Z-axis	m/min	15
	Servo Motor Torque on X-axis	N·m	5
	Servo Motor Torque on Z-axis	N·m	7.5
	X-axis Travel	mm	310
	Z-axis Travel	mm	500
	Guideway Type		Rectangular Guideway
Turret	Turret Type		Electric 4 Post Turret
	Tool Size	Mm	25×25/φ32
	Turret Indexing Time	S	1.5/90;2.4/180;3.4/270
	Turret Indexing Repeatability	mm	0.008
Power Source	Rated Total Power	KW	13
	Rated Total Current	A	25
Dimension	Machine Weight	Kg	2295
	Machine Size	L×W×H(mm)	2460×1600×1600
Other	Optional		Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

C5037

Gear Shift/ 7.5KW Servo Main Motor/ A2-6/Hydraulic Through Chuck 8-inch/Four-station Turret
Rectangular Guideway/No Tailstock

- 41
- 1 This lathe is developed using international technologies with high precision, speed, and rigidity. With a user-friendly design, an elegant appearance, and easy-to-maintain features, it integrates mechanical, electrical, and hydraulic systems to enhance the production efficiency.
 - 2 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting. A pair of 60° angular contact precision bearings are used for high speed and precision.
 - 3 The lathe has full guideway protection. The coolant tank and chip conveyor are separated from the main unit to prevent thermal cutting from affecting machining accuracy.
 - 4 The machine with an electrical cabinet has good sealing performance and uses the heat exchanger to ensure normal operation in a high-temperature and high-humidity environment.



Spindle

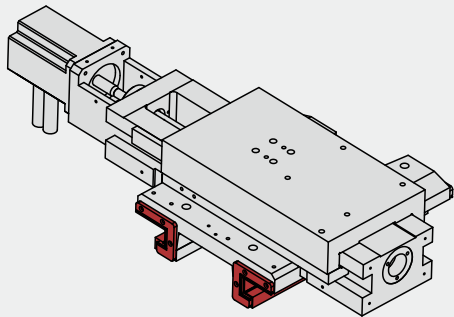
The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

Spindle Power: 7.5kW
Spindle Taper Hole: Ø61 mm

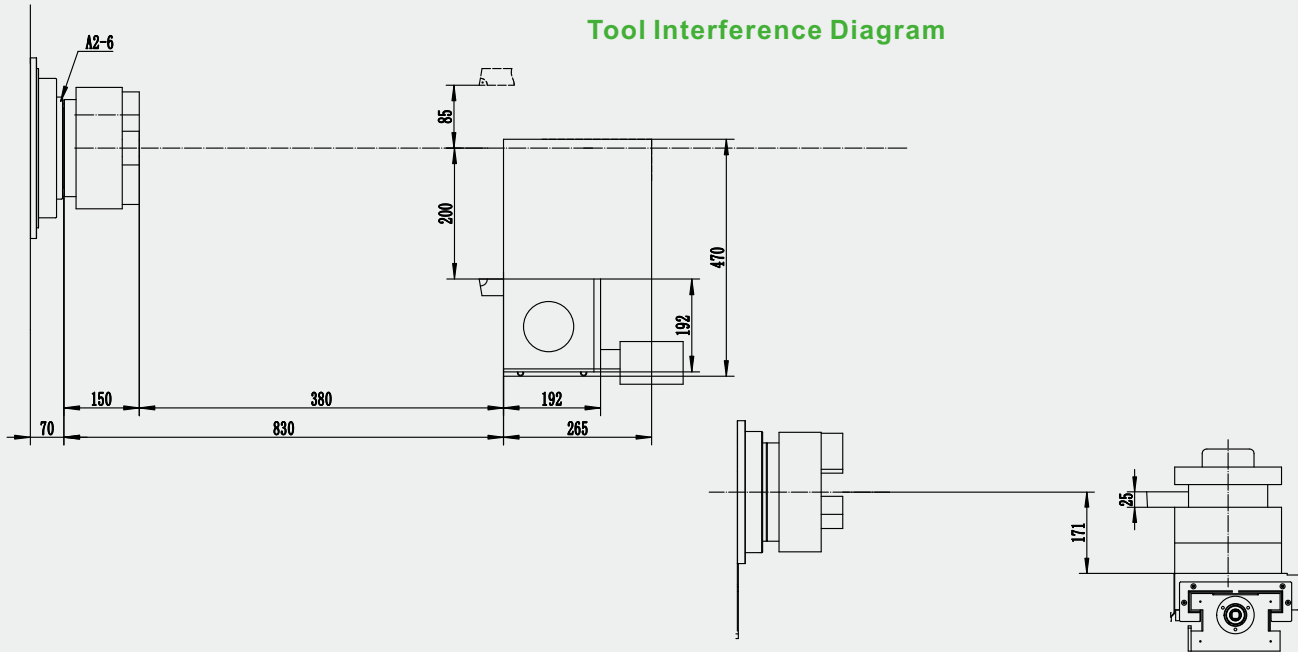
Rectangular Guideways

The flat bed structure is suitable for high speed machining with high positioning accuracy. The rectangular hard guideway of X and Z axes is suitable for heavy cutting and ensures high rigidity and long-term cutting precision.

X/Z-axis Travel: 310/430 mm
X/Z-axis Rapid Traverse Speed: 12/16 m/min



Tool Interference Diagram



Technical Parameters



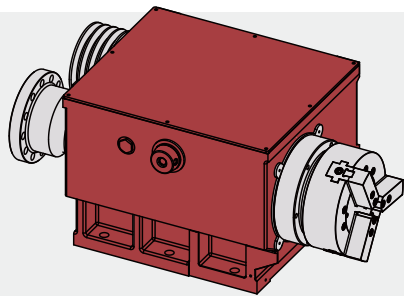
CONFIGURATION			C5037
Machining Capacity	Max. Swing Over Bed	mm	Φ500
	Max. Swing Over Slide	mm	Φ340
	Max. Processing Length	mm	370
	Max. Processing Diameter	mm	Φ400
Spindle	Spindle Shift Mode		Gear
	Spindle Head Type	GB59001	A2-6
	Spindle Taper Hole	mm	Φ61
	Spindle Speed Range	R/min	50-500;500-900;900-1400
	Spindle Output Torque	N·m	250
	Main Motor Power	KW	7.5
	Chuck Type		Hydraulic Through Chuck
	Chuck Size	Inch	8"
Feed Rate	Rapid Traverse Speed on X-axis	m/min	12
	Rapid Traverse Speed on Z-axis	m/min	16
	Servo Motor Torque on X-axis	N·m	5
	Servo Motor Torque on Z-axis	N·m	7.5
	X-axis Travel	mm	310
	Z-axis Travel	mm	430
	Guideway Type		Rectangular Guideway
Turret	Turret Type		Electric 4 Post Turret
	Tool Size	mm	25×25
	Turret Indexing Time	S	2.0/90;2.5/180;3.0/270
	Turret Indexing Repeatability	mm	0.008
Power Source	Rated Total Power	KW	13
	Rated Total Current	A	25
Dimension	Machine Weight	Kg	2500
	Machine Size	L×W×H(mm)	2230×1420×1530
Other	Optional		Chip conveyor

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CK6150/CK6150-B/CK6150-L

Gear Shift/ 7.5KW Servo Main Motor/ A2-8/ Manual 250mm Chuck/ Four-station Turret/ Manual Tailstock/Hard Guideway

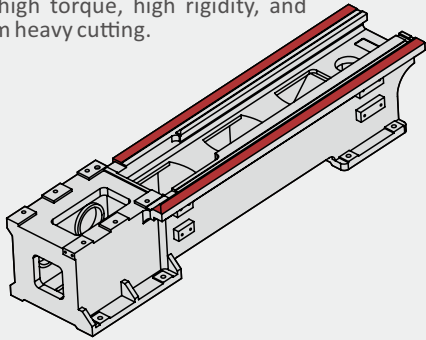
- 43
- 1 The machine is an optimized version of traditional CK6150 and features high precision, speed, and rigidity. It is ergonomic and easy to use. Integral protection is provided to keep the environment clean and tidy.
 - 2 The bed is integrally cast using the resin sand process. After multiple heat treatment processes such as aging and high-frequency quenching, the specially widened guideway can maintain optimal machining precision for a long Time.
 - 3 The machine tool features high-precision ball screws and angular contact ball bearings connected to the servo motor via a dedicated flexible coupling, enabling high transmission precision and a long service life.
 - 4 The servo spindle motor can achieve stepless speed change in the spindle gear to machine different workpieces, thereby optimizing the machining capacity and cutting performance.



Spindle

The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

Spindle Power: 7.5kW
Spindle Taper Hole: Φ86 mm



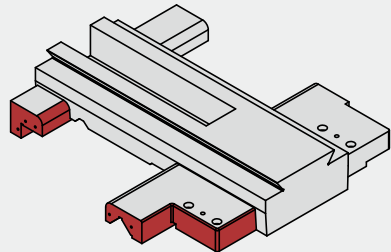
Widened Bed

The triangular rib is widened and thickened. The contact surface of the carriage is increased. The rigidity and seismic resistance are greatly improved.

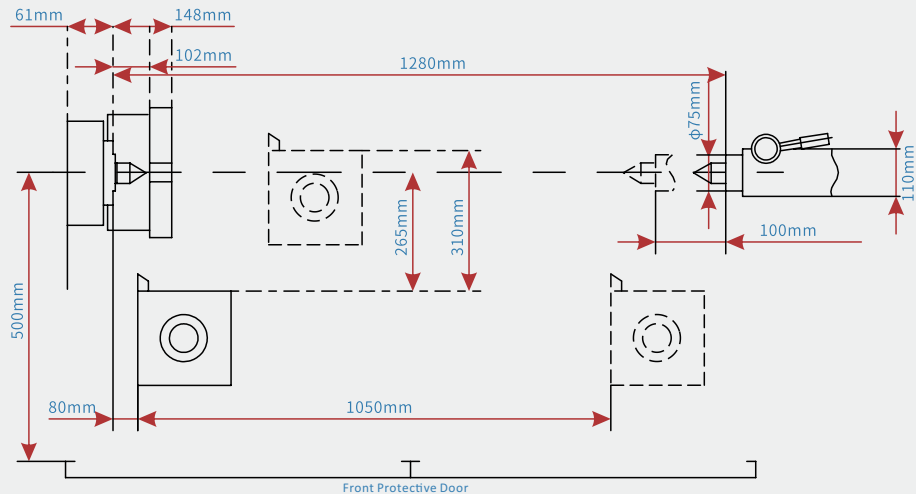
X/Z-axis Travel: 310/1050 mm
X/Z-axis Rapid Traverse Speed: 8/10 m/min

Slide

The front of the large slide is widened and lengthened to improve the cutting stability and rigidity by 30% and greatly extend the service life of the machine.



Tool Interference Diagram



Technical Parameters



CONFIGURATION		CK6150	CK6150-B	CK6150-L
Machining Capacity	Max. Swing Over Bed	mm	Φ500	Φ500
	Max. Swing Over Slide	mm	Φ300	Φ300
	Max. Processing Length	Chuck to Tailstock Center (Standard)	mm	1000
		Center to Center	mm	1090
	Max. Processing Diameter	mm	Φ500	Φ500
Spindle	Spindle Shift Mode		Gear	Servo
	Spindle Head Type	GB59001	A2-8	A2-8
	Spindle Taper Hole	mm	Φ86	Φ86
	Spindle Speed Range	R/min	50-300;300-789;655-1260	60-2000
	Spindle Output Torque	N·m	600	Rated 71,Max 100
	Main Motor Power	KW	7.5	7.5
	Chuck Type		Manual chuck	Manual chuck
	Chuck Size	mm	Φ250	Φ250
Feed Rate	Rapid Traverse Speed on X-axis	m/min	8	8
	Rapid Traverse Speed on Z-axis	m/min	10	10
	Servo Motor Torque on X-axis	N·m	5	5
	Servo Motor Torque on Z-axis	N·m	7.5	7.5
	X-axis Travel	mm	310	310
	Z-axis Travel	mm	1050	1050
	Guideway Type		Hard Guideway	Hard Guideway
Turret	Turret Type		Electric 4 Post Turret	Electric 4 Post Turret
	Tool Size	mm	25×25	25×25
Tailstock	Tailstock Type		Manual	Manual
	Tailstock Sleeve Diameter	mm	Φ75	Φ75
	Tailstock Sleeve Travel	mm	120	120
	Tailstock Sleeve Taper		MT5	MT5
Power Source	Rated Total Power	KW	11	11
	Rated Total Current	A	20	20
Dimension	Machine Weight	Kg	2385	2385
	Machine Size	L×W×H(mm)	2600×1220×1650	2600×1220×1650
Other	Optional		Hydraulic Chuck/ Hydraulic Tailstock	Hydraulic Chuck/ Hydraulic Tailstock

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

44

C6150Q/C6150Q-L

Gear Shift/ 5.5KW Servo Main Motor/ A2-6 / Manual 250 Chuck/ Manual Tailstock/Hard Guideway

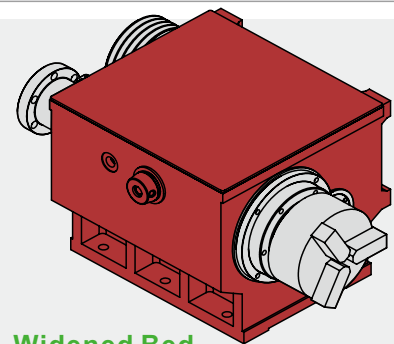
- 45
- 1 Integral fully enclosed protection, durable, stable operation, low noise, superior to similar products in waterproof, oil drain, dustproof and safety performance.
 - 2 The spindle adopts high-precision ball screws and double-row cylindrical combined bearings to support the rotation.
 - 3 Both the longitudinal and transverse directions of the slide adopt high-precision ball screws and 60-degree screw bearings. And also the integral bed feet and the fully enclosed protective structure ensure the overall rigidity and safety.
 - 4 The guideway is made of wear-resistant cast iron. After ultrasonic quenching and precision grinding, it can maintain the processing precision and service life for a long time.
 - 5 The standard workpiece clamping method is a manual three-jaw chuck. Hydraulic chuck or tailstock is optional too.



Spindle

The spindle box combines the double-row short cylindrical roller bearings and bidirectional thrust ball bearings. The main servo motor, paired with the three gears inside the box, enables stepless speed change within each gear, achieving high torque, high rigidity, and ensuring the accuracy during long-term heavy cutting.

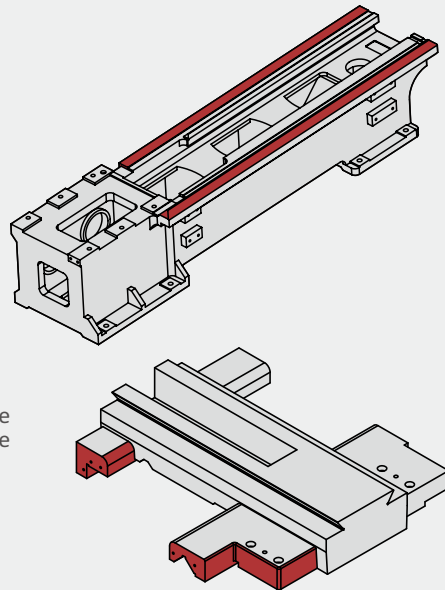
Spindle Power: 5.5kW
Spindle Taper Hole: $\Phi 70$ mm



Widened Bed

The triangular rib is widened and thickened. The contact surface of the carriage is increased. The rigidity and seismic resistance are greatly improved.

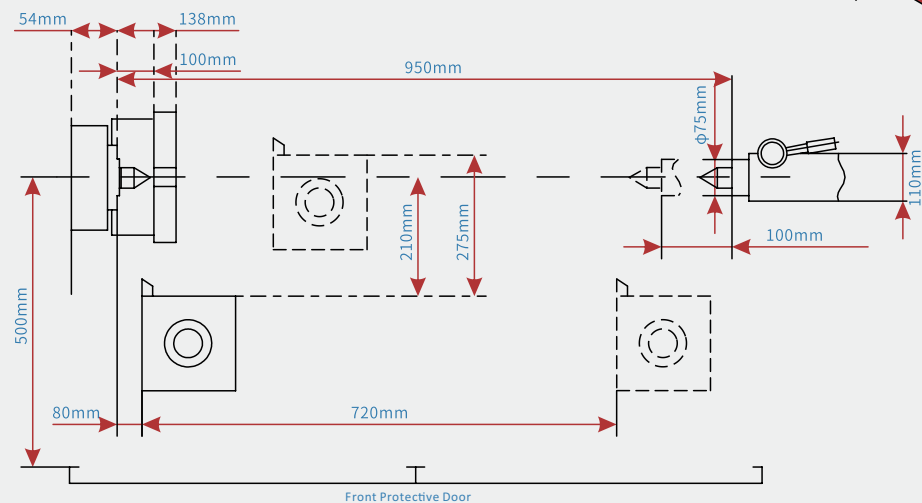
X/Z-axis Travel: 250/720 mm
X/Z-axis Rapid Traverse Speed: 8/10 m/min



Slide

The front of the large slide is widened and lengthened to improve the cutting stability and rigidity by 30% and greatly extend the service life of the machine.

Tool Interference Diagram



Technical Parameters



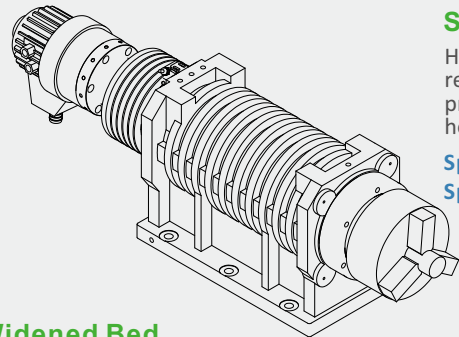
CONFIGURATION			C6150Q	C6150Q-L
Machining Capacity	Max. Swing Over Bed	mm	$\Phi 500$	$\Phi 500$
	Max. Swing Over Slide	mm	$\Phi 250$	$\Phi 250$
	Max. Processing Length	Chuck to Tailstock Center (Standard)	630	1000
		Center to Center	720	1090
	Max. Processing Diameter	mm	$\Phi 400$	$\Phi 400$
Spindle	Spindle Shift Mode		Gear	Gear
	Spindle Head Type	GB59001	A2-6	A2-6
	Spindle Taper Hole	mm	$\Phi 70$	$\Phi 70$
	Spindle Speed Range	r/min	50-460;460-930;930-1200	50-460;460-930;930-1200
	Spindle Output Torque	N·m	390	390
	Main Motor Power	KW	5.5	5.5
	Chuck Type		Manual chuck	Manual chuck
	Chuck Size	mm	$\Phi 250$	$\Phi 250$
Feed Rate	Rapid Traverse Speed on X-axis		8	8
	Rapid Traverse Speed on Z-axis		10	10
	Servo Motor Torque on X-axis	N·m	5	5
	Servo Motor Torque on Z-axis	N·m	7.5	7.5
	X-axis Travel	mm	250	250
	Z-axis Travel	mm	720	1100
	Guideway Type		Hard Guideway	Hard Guideway
Turret	Turret Type		Electric 4 Post Turret	Electric 4 Post Turret
	Tool Size	mm	25×25	25×25
Tailstock	Tailstock Type		Manual	Manual
	Tailstock Sleeve Diameter	mm	$\Phi 75$	$\Phi 75$
	Tailstock Sleeve Travel	mm	120	120
	Tailstock Sleeve Taper		MT5	MT5
Power Source	Rated Total Power	KW	10	10
	Rated Total Current	A	20	20
Dimension	Machine Weight	Kg	2300	2600
	Machine Size	L×W×H(mm)	2170×1220×1650	2600×1220×1650
Optional Spindle	Spindle Shift Mode		Servo Stepless Variable Speed	
	Spindle Taper Hole	mm	$\Phi 62$	
	Spindle Speed Range	R/min	60-3500	
Other	Optional		Hydraulic Chuck/ Hydraulic Tailstock	

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CK6136

5.5KW Servo Main Motor/A2-6 Spindle/ Stepless Speed Regulation/ Manual 200mm Chuck
Manual Tailstock/Hard Guideway

- 47
- 1 X-and Z-axis servo motors are directly connected to the precision ball screw through flexible couplings, and the screws are fixed at both ends. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting.
 - 2 Full guideway protection ensures the machine precision and prolongs the service life. Full cover protection prevents cutting liquid from coming out.
 - 3 Manual chuck as standard, power chuck as optioanl.
 - 4 The integral bed base improves rigidity. Centralized automatic lubrication increases the service life of the machine. Outer cylindrical surfaces, conical surfaces, curved surfaces, grooves, threads, etc. can be machined.



Spindle

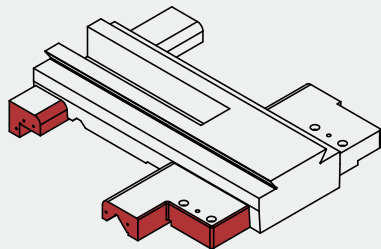
High-quality angular contact bearings (three in the front and two at the rear) and the main servo motor are adopted, It features high speed, high precision, low noise, high rigidity, high torque, and long-term stability of heavy cutting precision.

Spindle Power: 5.5kW
Spindle Taper Hole: Φ61mm

Widened Bed

The triangular rib is widened and thickened. The contact surface of the carriage is increased. The rigidity and seismic resistance are greatly improved.

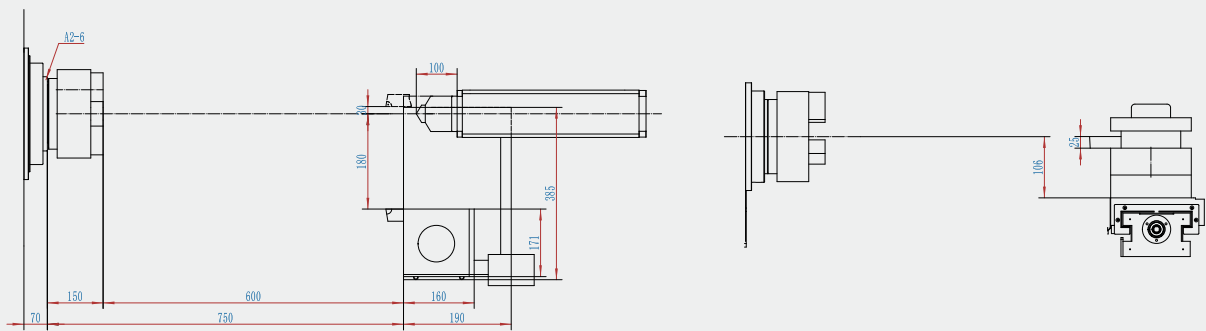
X/Z-axis Travel: 200/650 mm
X/Z-axis Rapid Traverse Speed: 8/10 m/min



Slide

The front of the large slide is widened and lengthened to improve the cutting stability and rigidity by 30% and greatly extend the service life of the machine.

Tool Interference Diagram



Technical Parameters



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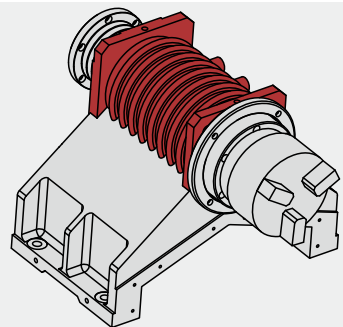
CONFIGURATION			CK6136
Machining Capacity	Max. Swing Over Bed	mm	Φ400
	Max. Swing Over Slide	mm	Φ180
	Max. Processing Length	mm	600
	Max. Processing Diameter	mm	Φ300
Spindle	Spindle Shift Mode		Servo
	Spindle Head Type	GB59001	A2-6
	Spindle Taper Hole	mm	Φ61
	Spindle Speed Range	r/min	60-3500
	Spindle Output Torque	N·m	72
	Main Motor Power	KW	5.5
	Chuck Type		Manual chuck
Feed Rate	Chuck Size	mm	Φ200
	Rapid Traverse Speed on X-axis	m/min	8
	Rapid Traverse Speed on Z-axis	m/min	10
	Servo Motor Torque on X-axis	N·m	4
	Servo Motor Torque on Z-axis	N·m	6
	X-axis Travel	mm	200
	Z-axis Travel	mm	650
Turret	Guideway Type		Hard Guideway
	Turret Type		Electric 4 Post Turret
Tailstock	Tool Size	mm	25×25
	Tailstock Type		Manual
	Tailstock Sleeve Diameter	mm	Φ60
	Tailstock Sleeve Travel	mm	120
Power Source	Tailstock Sleeve Taper		MT4
	Rated Total Power	KW	10
Dimension	Rated Total Current	A	20
	Machine Weight	Kg	1765
Other	Machine Size	L×W×H(mm)	1930×1180×1510
	Optional		Hydraulic Chuck/ Hydraulic Tailstock

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

CJK6130L

3.7KW Servo Main Motor/ A2-5 Spindle/Four-station Electric Turret/Hollow Hydraulic Collet/
One Linear Guideway and One Hard Guideway/Manual Tailstock

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- 1 The CJK6130L is a small-sized lathe, which is suitable for the high-efficiency machining of high-precision and complex small rotary parts in industries such as instrumentation, electronics, medical devices and aviation.
 - 2 X/Z-axis servo motors are directly connected to the precision ball screw through flexible couplings. The rigidity of mounting base is improved to minimize the screw deformation caused by frequent, high-speed positioning or heavy cutting.
 - 3 Full guideway protection is used. The plastic coating of the guideway also improves the wear resistance and increases the running speed of the machine.
 - 4 Full guideway protection also ensures the machine precision and prolongs the service life. Full cover protection prevents cutting liquid from coming out.
 - 5 Collect as the standard. The high-speed rotary cylinder and chucks are optional.
 - 6 It has functions such as turning outer cylindrical surfaces, conical surfaces, and circular arc surfaces, as well as grooving and threading.



Spindle

High-quality angular contact bearings (three in the front and two at the rear) and the main servo motor are adopted, It features high speed, high precision, low noise, high rigidity, high torque, and long-term stability of heavy cutting precision.

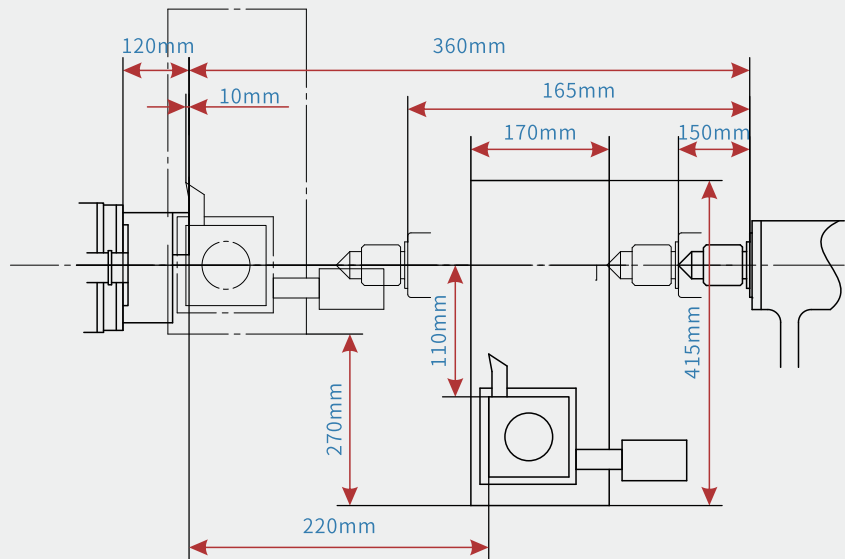
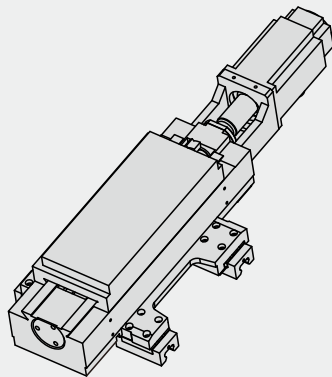
Spindle Speed:3000rpm
Spindle Power: 3.7kW
Spindle Taper Hole: Φ48mm

X-axis: Hard Guideway / Z-axis: Linear Guideway

X/Z-axis servo motors are directly connected to the precision ball screws through flexible couplings to achieve high-precision gapless transmission. Z-axis use high-precision linear guideway, X-axis uses dovetail hard guideway, enabling a fast moving speed and high machining accuracy.

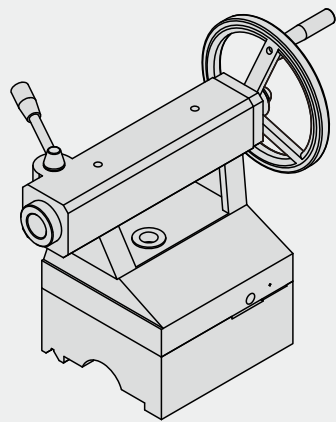
X/Z-axis Travel: 220/220 mm
X/Z-axis Rapid Traverse Speed: 12/20 m/min

Tool Interference Diagram



Manual Tailstock

Tailstock Sleeve Diameter: Φ54mm
Tailstock Sleeve Travel: 150 mm



Technical Parameters



CONFIGURATION			CJK6130L
Machining Capacity	Max. Swing Over Bed	mm	Φ275
	Max. Swing Over Slide	mm	Electric 4 Post Turre φ150 /Gang Tooling φ80
	Max. Processing Length	mm	220
	Max. Processing Diameter	mm	φ150
	Max. Diameter of Bar	mm	Φ35
Spindle	Spindle Shift Mode		servo stepless
	Spindle Head Type	GB59001	A2-5
	Spindle Taper Hole	Mm	Φ48
	Spindle Speed Range	R/min	50-3000
	Spindle Output Torque	N·m	45
	Main Motor Power	KW	3.7
	Chuck Type		Hydraulic Through Collect
Feed Rate	Chuck Size	mm	Manual Chuck Φ160mm Is Optioanl
	Rapid Traverse Speed on X-axis	m/min	12
	Rapid Traverse Speed on Z-axis	m/min	20
	Servo Motor Torque on X-axis	N·m	4
	Servo Motor Torque on Z-axis	N·m	6
	X-axis Travel	mm	220
	Z-axis Travel	mm	220
Turret	Guideway Type		X-Axis: Hard Guideway, Z-Axis: roller Linear Guideway
	Turret Type		Electric 4 Post Turret/Gang Tooling(Optional)
Tailstock	Tool Size	mm	20×20
	Tailstock Type		Manual
	Tailstock Sleeve Diameter	mm	Φ54
	Tailstock Sleeve Travel	mm	150
Power Source	Tailstock Sleeve Taper		MT4
	Rated Total Power	KW	8
Dimension	Rated Total Current	A	25
	Machine Weight	Kg	1450
Other	Machine Size	L×W×H(mm)	1840×1230×1680
	Optional		Hydraulic Chuck/ Hydraulic Tailstock

Kindly take note that this parameter and its appearance are might be changed without separate notification. Your understanding and cooperation are highly appreciated.

Modern Processing Solutions

Our full range of machine tools can be integrated with automatic loading/unloading systems to achieve automated production.

- 1 Robots enable single-operator control of 10+ devices simultaneously.
- 2 The robotic system operates 24/7, boosting efficiency, equipment utilization, and output value.
- 3 Program-controlled automation ensures consistent product quality.
- 4 The truss manipulator could integrate with machine tools for compact, aesthetic, and efficient automated processing.
- 5 We could provide the professional and efficient automated solution according to your drawings of the workpiece.

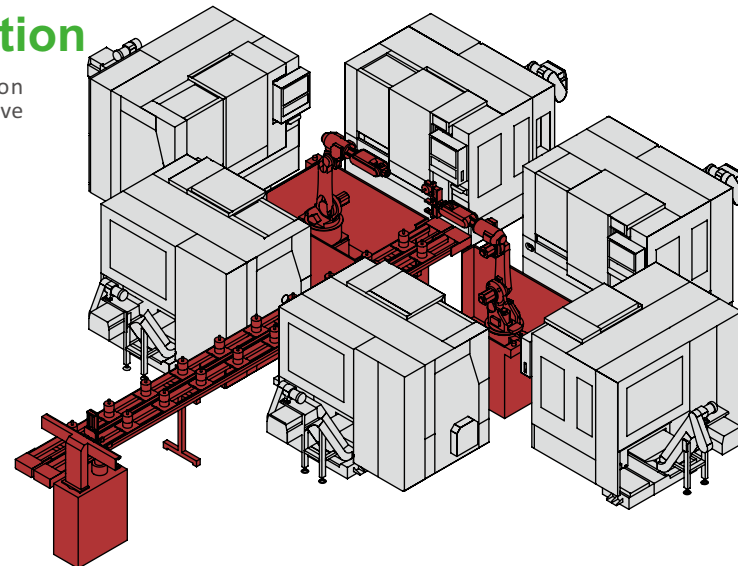


Articulated Robot Automation

Achieve wide application of highly flexible automation solutions to help companies provide productivity and improve product quality.

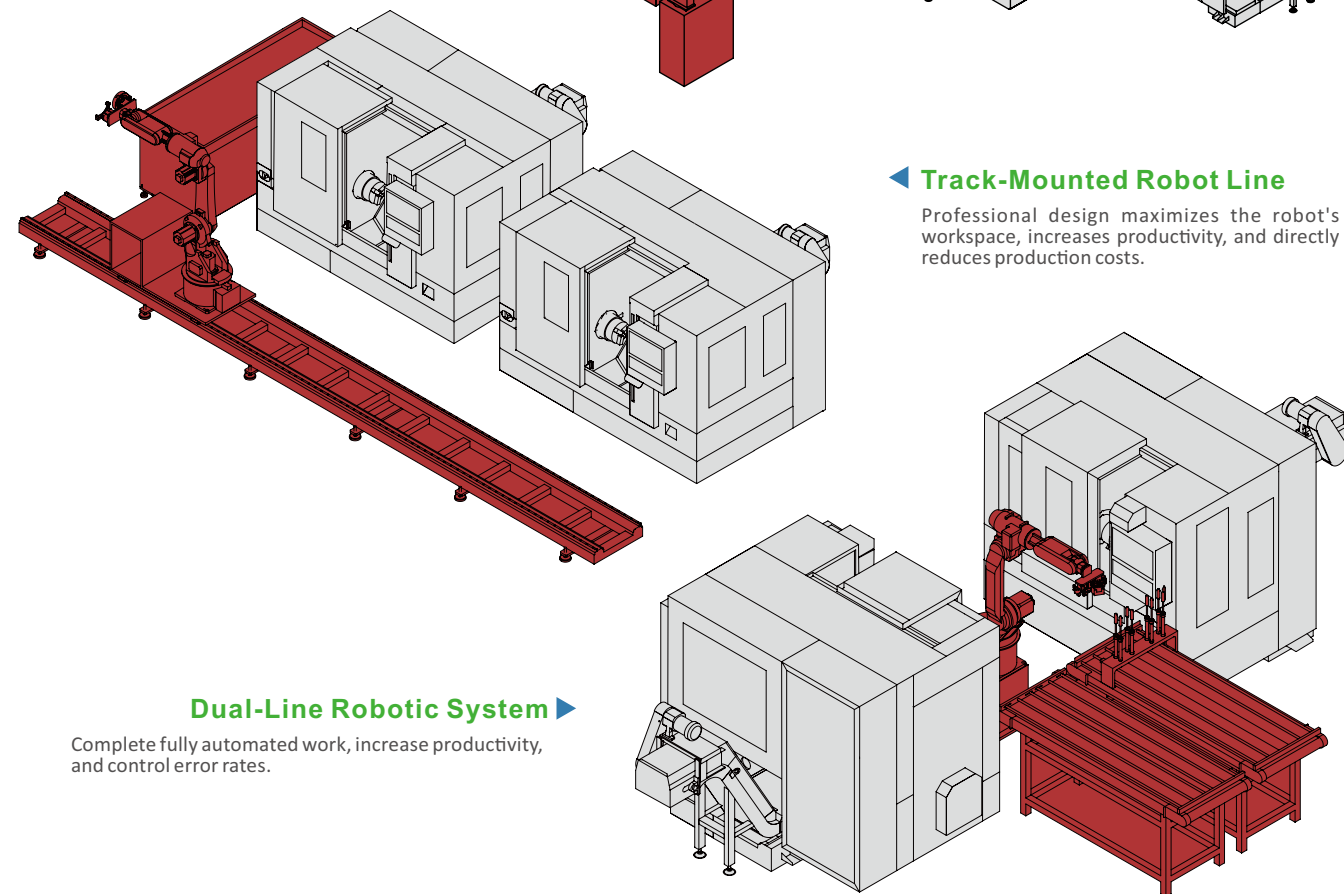
Multi-Line Robotic System ▶

Realize plant intelligence, visualize production data, transparent production process, and unmanned production site



◀ Track-Mounted Robot Line

Professional design maximizes the robot's workspace, increases productivity, and directly reduces production costs.



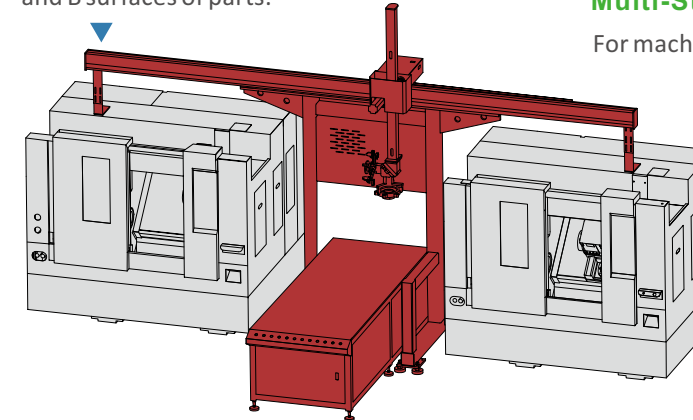
Dual-Line Robotic System ▶

Complete fully automated work, increase productivity, and control error rates.

ROBOT AGE Technology Leads The Future

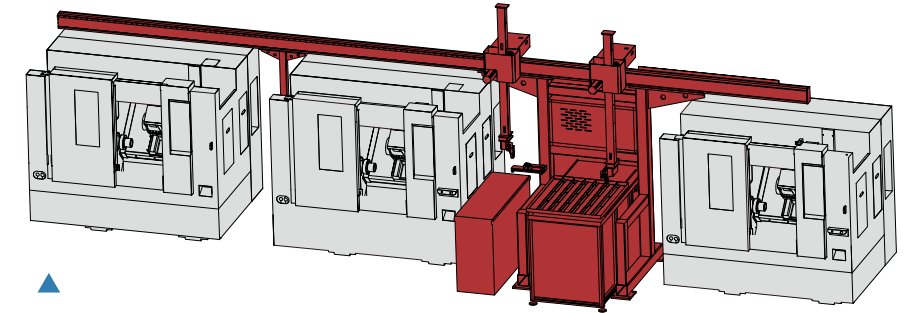
Twin-Cell Truss Automation

Suitable for the automatic machining of the A and B surfaces of parts.



Multi-Station Truss Automation

For machining complex multi-process components.

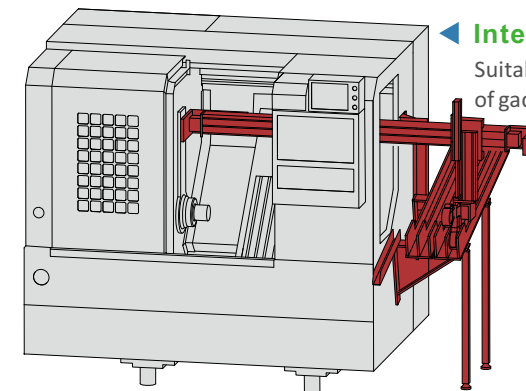


Truss-type Automated Design

The truss loader automatically transfers and processes the blanks on the silo. The truss automation is easy to access the machine and monitor the operation, program modification, warranty and so on. In addition, the installation area of the equipment is small, and the best layout in the factory can be realized.

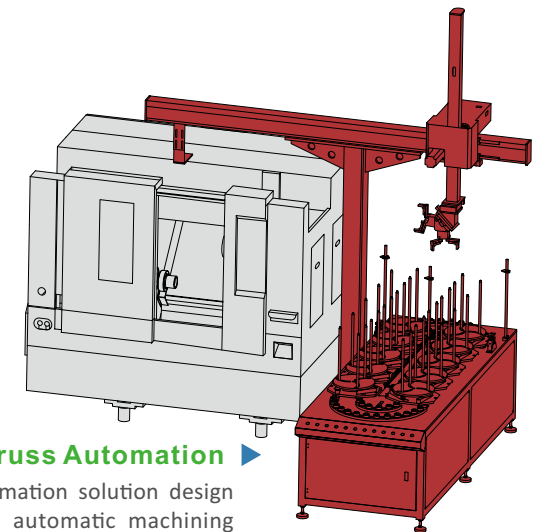
Internal Truss Automation

Suitable for automated processing of gadgets



External Truss Automation ▶

Universal automation solution design for unmanned automatic machining throughout the day.

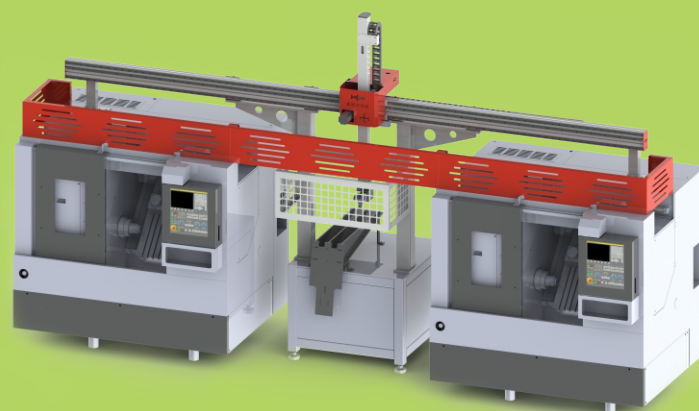


Configuration		Parameter	Configuration		Parameter
3-jaws Pneumatic Cylinder Dia	mm	Φ25—φ65	Travel Scope	mm	4—12mm (single side)
Allow Kinetic Energy	J	0.116	X-axis Max Running Speed	m/min	60—90
Swing Angle	°	0-190	Y-axis Max Running Speed	m/min	60—90
Stable Swing Time		0.2-0.7S/90°	Travel	Mm	7000*1400
Max Use Pressure	Mpa	0.6	Position Accuracy	mm	±0.05
Minimum Use Pressure	Mpa	0.1	Palletizing Tray		Customized
Mechanical Finger Max Clamping Force	N	118	Product		Can be Independently placed

EAST AUTOMATIC TECHNOLOGY CNC

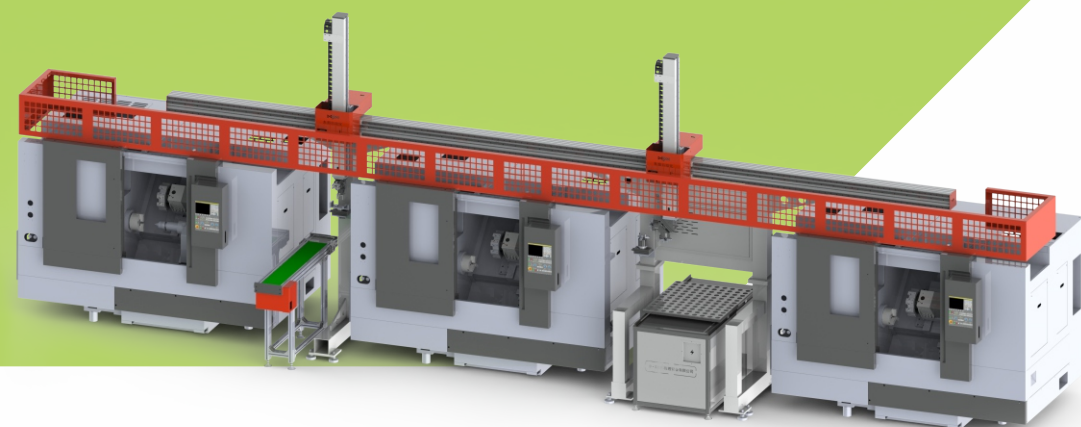
80160 Medium-sized K Series

Box-type One-to-two External Truss Manipulator



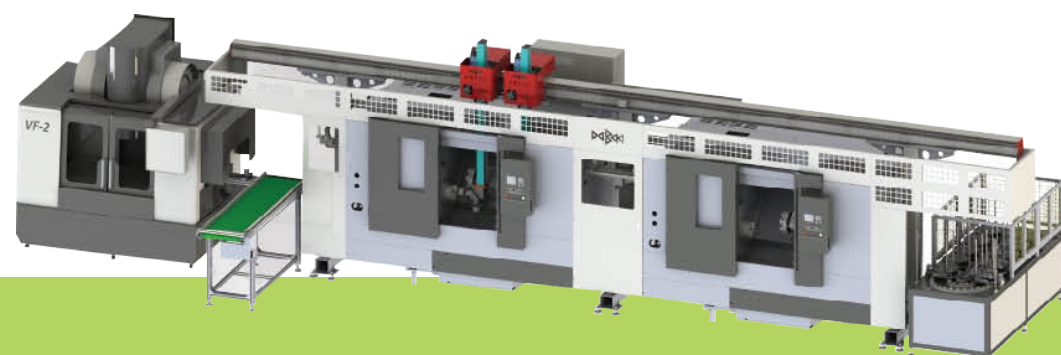
Double-arm N Series

One-to-three External Truss Manipulator



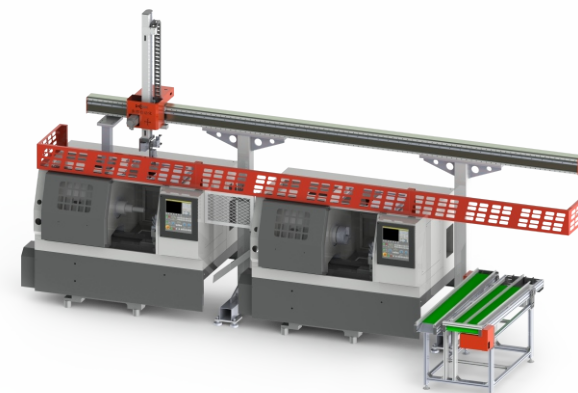
150200 Heavy-duty F Series

One-to-two External Truss Manipulator



150200 Heavy-duty F Series

One-to-two External Truss Manipulator



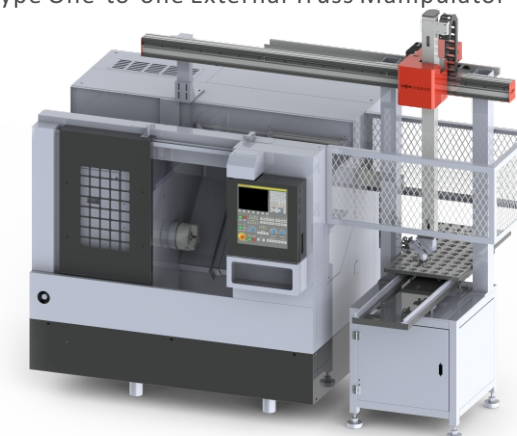
150200 Heavy-duty S Series

One-to-one External Truss Manipulator



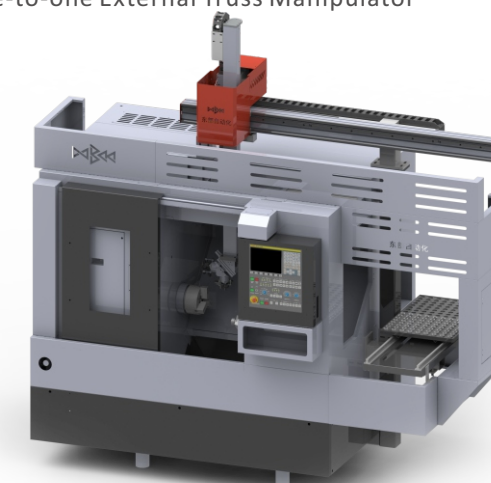
80120 Light-duty L Series

Box-type One-to-one External Truss Manipulator



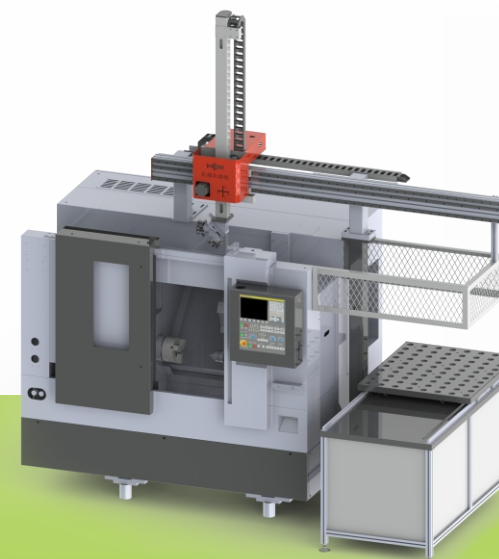
80120 Light-duty B Series

One-to-one External Truss Manipulator



80160 Medium-sized Y Series

One-to-one External Truss Manipulator



160160 Heavy-duty T Series

One-to-one External Truss Manipulator

