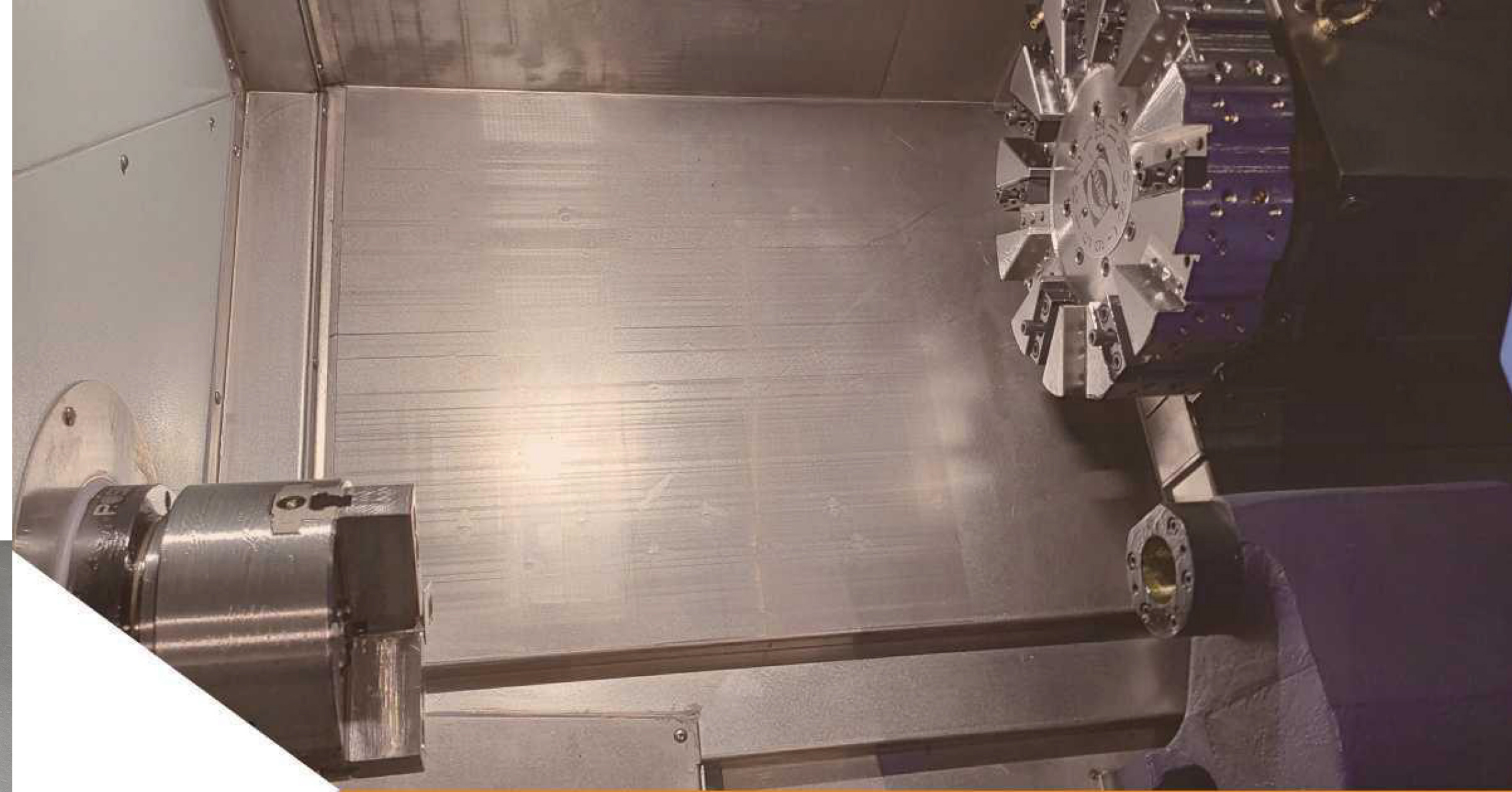


STS Numerical Control Co.,Ltd



STS Numerical Control Co., Ltd.

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(2022)

CATALOGUE

Headquarters: Plant #1



Production Plant #2



01 Company Profile	01
Introduction	01
Production Ability	03
02 Turret CNC Lathe	05
CT series	05
03 CNC Turning Lathe	07
H series	07
C series	09
G series	11
A series	13
CP series	15
04 Turning & Milling Composite Machine	17
CX series	17
HX series	19
HXY series	21
GX series	23
YX series	25
YXB series	27
05 Twin-spindle CNC Turning Machine	29
D series	29
06 Automatic Production line	31
Articulated robot integration	31
Automotation manufacturing solutions	32
07 Optional Accessories	33
Optional Driven Head	33
08 Exhibition	35
Processing Sample	35



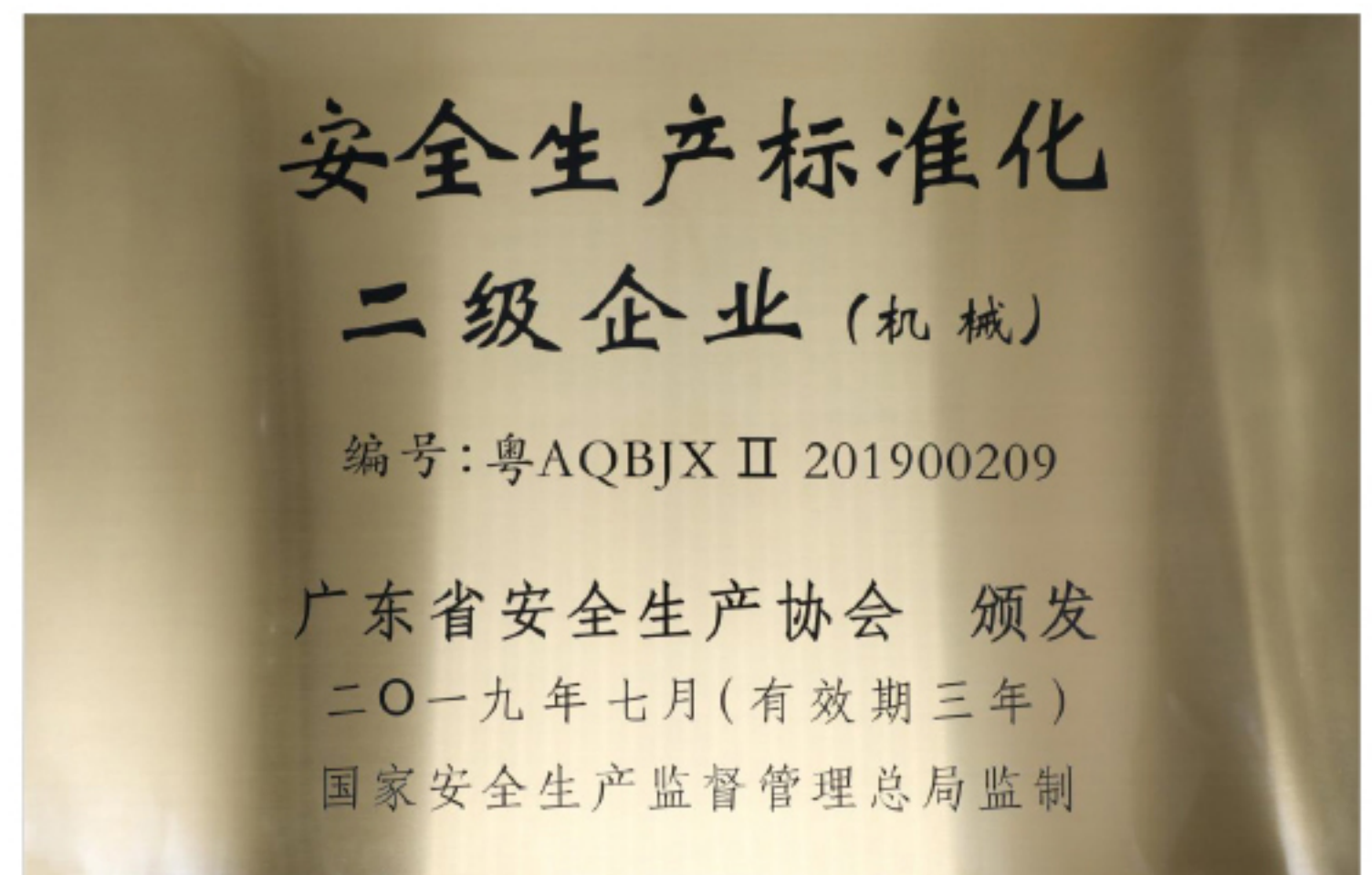
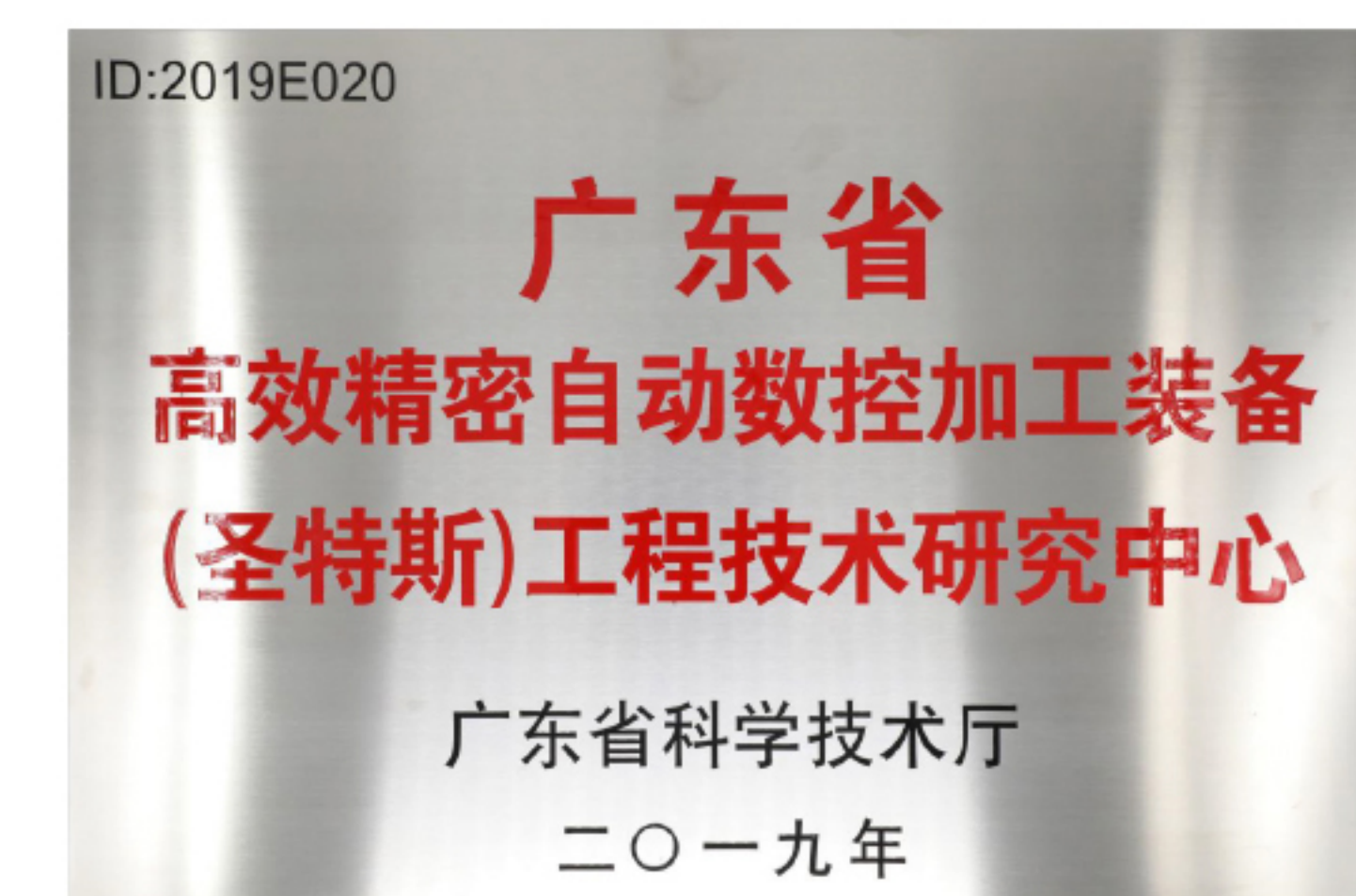
Introduction

STS Numerical Control Co., Ltd. was established in 2002. Our company is specialized in the development, design, production and sales of CNC lathe. We are the high-end CNC equipment integrated solution service provider.

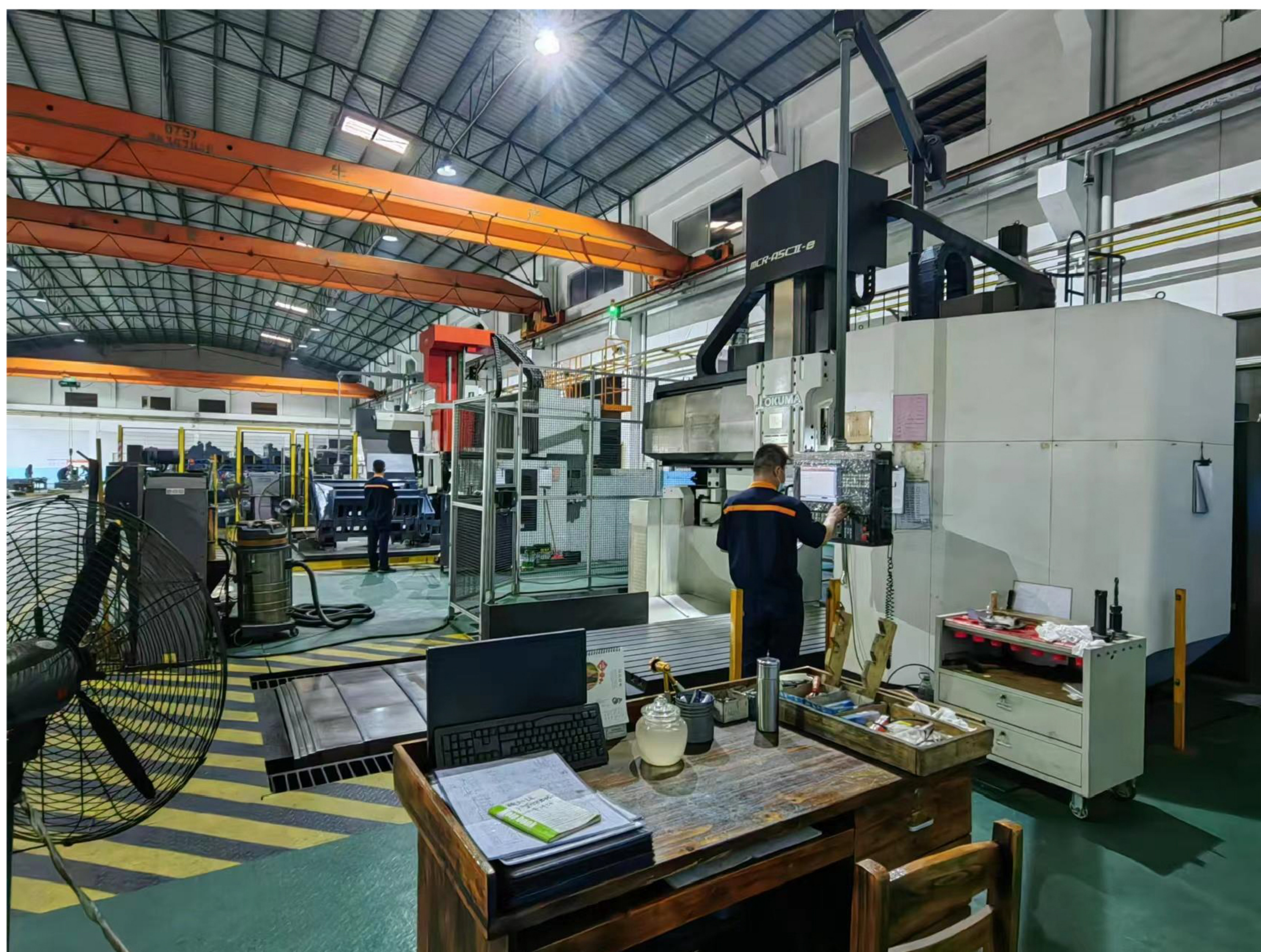
Adhering to the business philosophy of “people-oriented, pursuit of excellence, customer first”, we provide all of our products with sincere dedication. With infinite technology, infinite creation, and the pursuit of excellence, we will provide more quality products and services for our customers with more extraordinary confidence, and join hands with customers to contribute to the long-term development of China’s manufacturing industry.

STS is located in Foshan City China. Our company has several modern production plants with total area of 50,000 square meters.

We focus on R&D investment and product quality management, have obtained more than 50 patents, many high performance imported machining machines, and maintain ISO9001 and ISO14001 system all year round. Therefore, we are capable of guaranteeing the technology and quality of our machine tools and providing equipment and related services to leading companies in the automotive, home appliance, hardware and optoelectronic industries, as well as many Fortune 500 multinational companies.



Production Ability



CNC Turret Lathe — CT series

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation.
- The 45° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- Standard parts including servo turret, fast tool change and multi-tool positions.
- Full-proof internal protection, effectively separating the machining area with better oil-proof, water-proof and dust-proof effect.
- Tailstock has the function of fast forward and then slow forward.



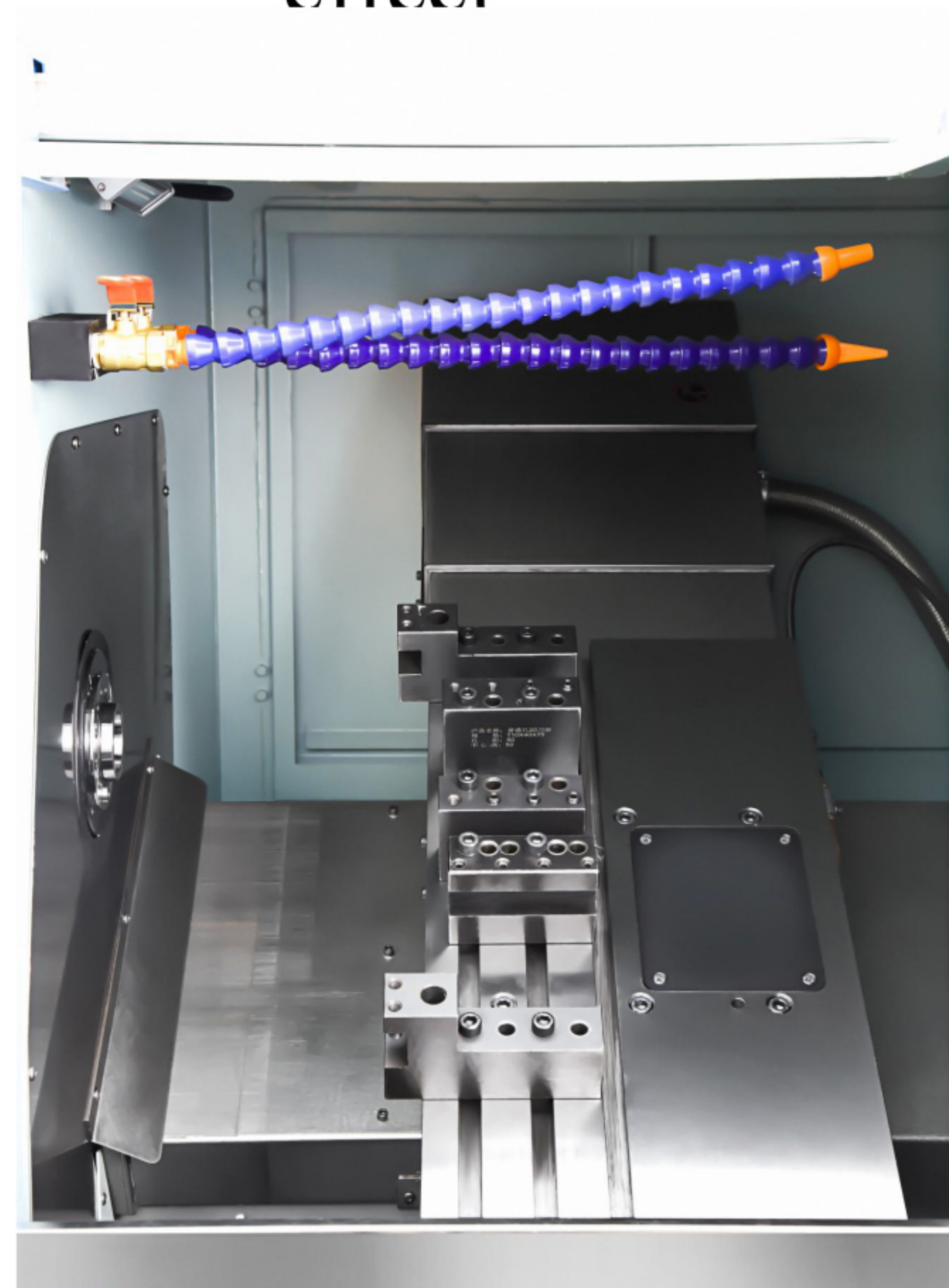
Specifications		Units	CT46	CT52	CT72
Machining capacity	Max. swing over bed diameter	mm	Φ380		
	Max. turning diameter	mm	Φ320		
	X-axis travel	mm	210		
	Z-axis travel	mm	500		
	Y-axis travel	mm	—		
	Tailstock travel	mm	500		
	Spindle height from center of tool holder plate	mm	—		
Spindle	Spindle center height	mm	1105		
	Spindle end specification	—	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	6	8	10
	Spindle bore diameter	mm	Φ56	Φ62	Φ85
	Max. bar size	mm	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	3500	3000
	Spindle motor power	kw	7.5	11	11
Feeding axis	Spindle drive power	kw	11	15	15
	Repeat positioning accuracy	mm	±0.0025		
	Max. traverse speed	M/min	20		
Equipment specification	Power of feed axis motor	kw	1.3		
	Overall dimensions (L*W*H)	mm	2760 × 1600 × 1870		
	Power capacity	kw	10	12	14.5
	Net weight	kg	3000	3100	3200

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle		√
CNC System	SYNTEC	√	
	FANUC		√
Turret	12-station 20-tool shank	√	
	8-station 25-tool shank		√
Tailstock	MT5	√	
Fixture	Back pull collet		√
	Chuck		√
Optional item	Part catcher		√
	Feeding device		√
	Chip conveyor		√
	Automatic manipulator		√

Note: Z-axis 300mm optional, more flexible for small-size workpiece production.

CNC Turning Lathe — H series

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation
- The 45° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency
- Full-proof internal protection, effectively separating the machining area with better oil-proof, water-proof and dust-proof effect



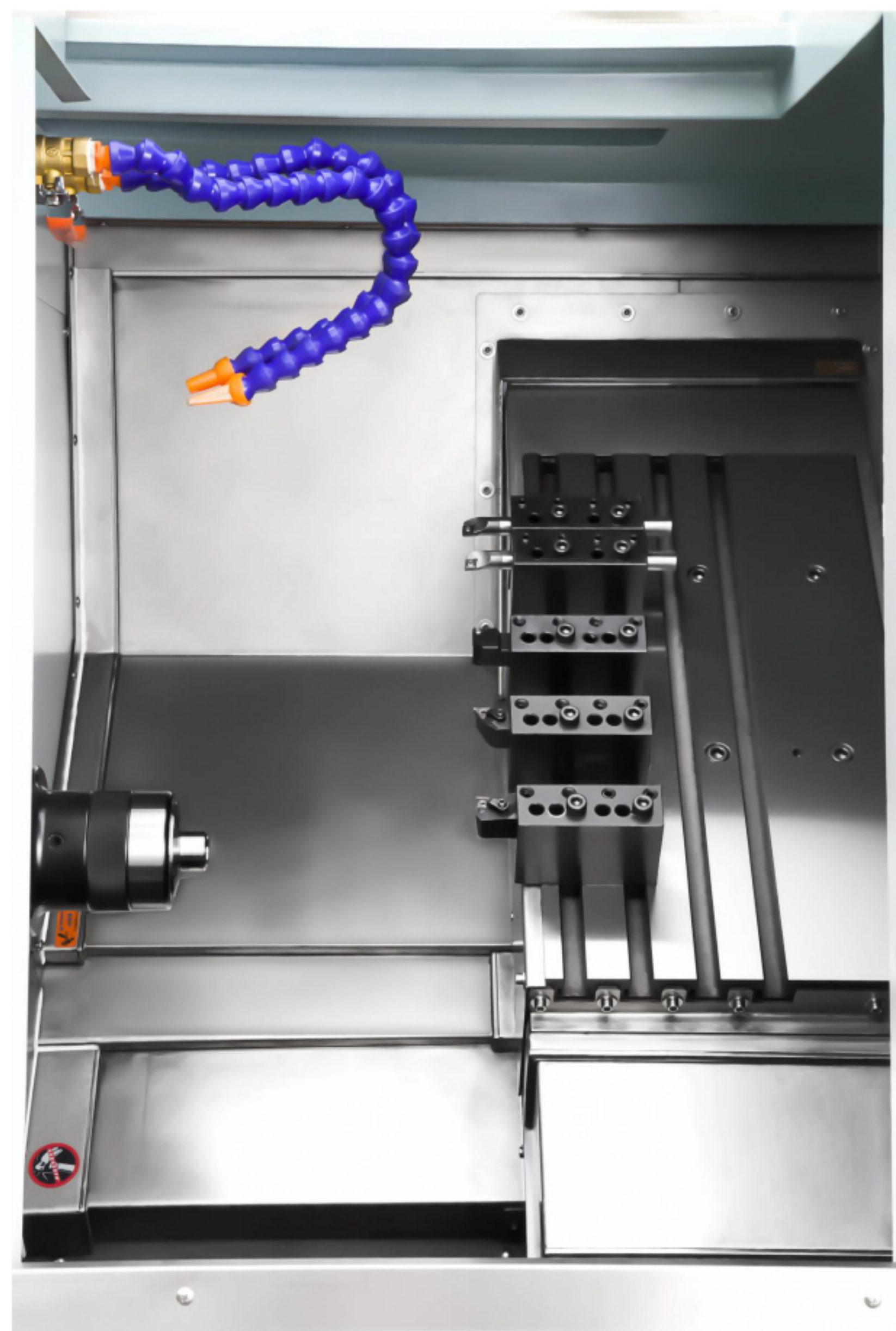
Specifications		Units	H36	H46	H52	H72
Machining capacity	Max. swing over bed diameter	mm	Φ400			
	Max. turning diameter	mm	Φ380			
	X-axis travel	mm	800			
	Z-axis travel	mm	250			
	Spindle height from center of tool holder plate	mm	50			
	Spindle center height	mm	1140			
Spindle	Spindle end specification	—	A2-4	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	5	6	8	10
	Spindle bore diameter	mm	Φ43	Φ56	Φ62	Φ86
	Max. bar size	mm	Φ35	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	4000	3500	3000
	Spindle motor power	kw	3.7	5.5	7.5	11
	Spindle drive power	kw	5.5	7.5	11	15
Feeding axis	Repeat positioning accuracy	mm	±0.0025			
	Max. traverse speed	M/min	25			
	Power of feed axis motor	kw	1.3			
Equipment specification	Overall dimensions (L*W*H)	mm	2230 × 1560 × 1770			
	Power capacity	kw	9	11	13	15.5
	Net weight	kg	2400	2400	2500	2600

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	✓	
	Electric spindle		✓
CNC System	SYNTEC	✓	
	FANUC		✓
Driven Head / Turret	Edge milling driven head		✓
	Turret		✓
Fixture	Front push collet		✓
	Back pull collet		✓
	Chuck		✓
Optional item	Part catcher		✓
	Feeding device		✓
	Chip conveyor		✓
	Automatic manipulator		✓

Note: Support extended-version customization, Z-axis stroke can be increased by 80mm, the working area is more spacious, to meet individual machining needs (extended-version equipment length can be increased by 150mm, height increased by 120mm, weight increased by 200kg)

CNC Turning Lathe — C series

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation
- The 30° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency
- Longer tool row holder with plenty of space to install the tool holder after installing the driven head

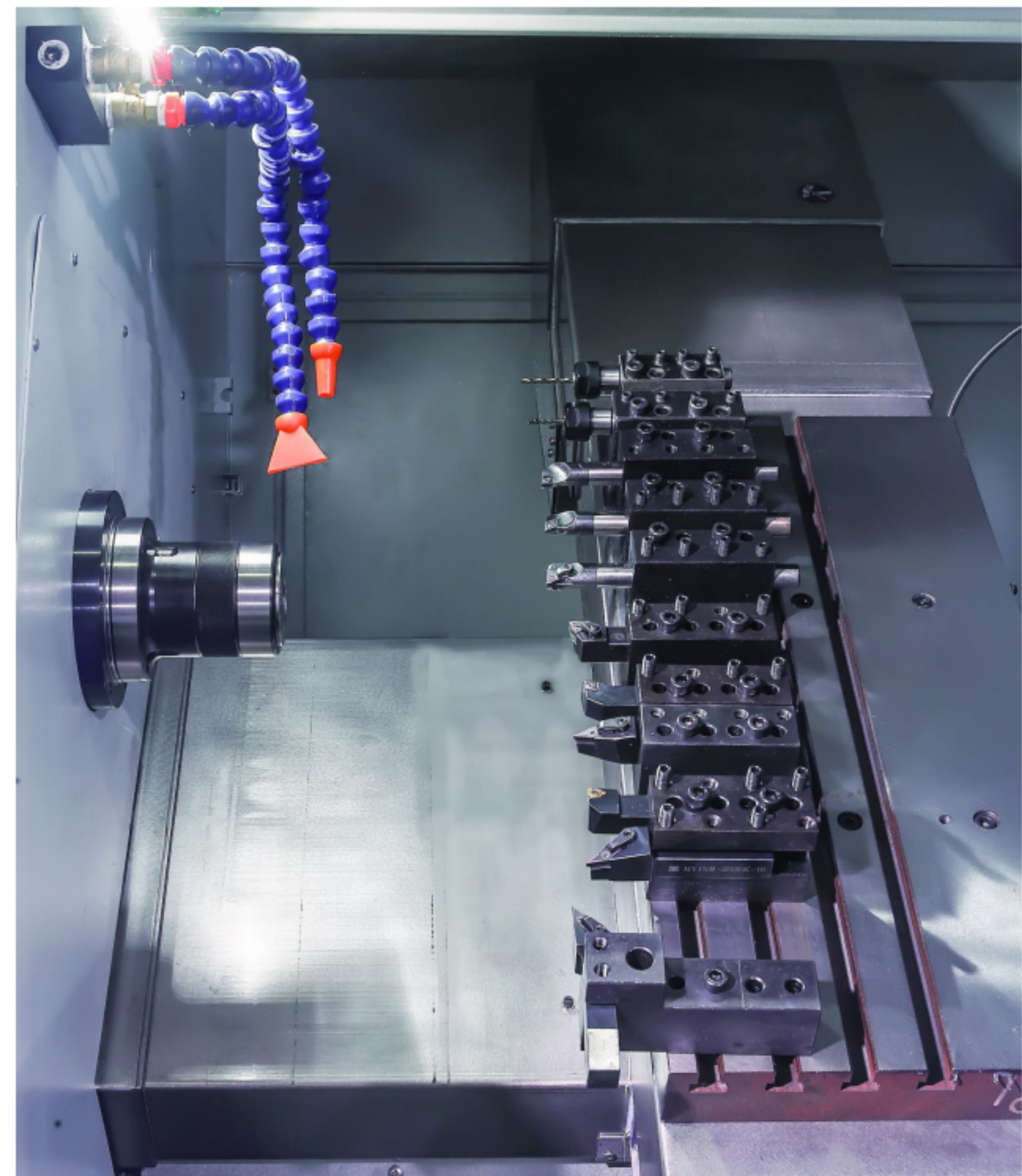


Specifications		Units	C36	C46	C52	C72
Machining capacity	Max. swing over bed diameter	mm	Φ400			
	Max. turning diameter	mm	Φ380			
	X-axis travel	mm	800			
	Z-axis travel	mm	250			
	Spindle height from center of tool holder plate	mm	50			
	Spindle center height	mm	1040			
Spindle	Spindle end specification	—	A2-4	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	5	6	8	10
	Spindle bore diameter	mm	Φ43	Φ56	Φ62	Φ86
	Max. bar size	mm	Φ35	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	4000	3500	3000
	Spindle motor power	kw	3.7	5.5	7.5	11
	Spindle drive power	kw	5.5	7.5	11	15
Feeding axis	Repeat positioning accuracy	mm	±0.0025			
	Max. traverse speed	M/min	25			
	Power of feed axis motor	kw	1.3			
Equipment specification	Overall dimensions (L*W*H)	mm	1950 × 1520 × 1720			
	Power capacity	kw	9	11	13	15.5
	Net weight	kg	2600	2600	2700	2800

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	✓	
	Electric spindle		✓
CNC System	SYNTEC	✓	
	FANUC		✓
Driven Head / Turret	Edge milling driven head		✓
	Turret	—	
Fixture	Front push collet		✓
	Back pull collet		✓
	Chuck		✓
Optional item	Part catcher		✓
	Feeding device		✓
	Chip conveyor		✓
	Automatic manipulator	—	

CNC Turning Lathe — G series

- High-weight bed and base provides excellent vibration resistance.
- The 45° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency.
- Longer tool row holder with plenty of space to install the tool holder after installing the driven head.



Specifications		Units	G36	G46	G52	G72
Machining capacity	Max. swing over bed diameter	mm	Φ580			
	Max. turning diameter	mm	Φ480			
	X-axis travel	mm	1200			
	Z-axis travel	mm	350			
	Spindle height from center of tool holder plate	mm	50			
	Spindle center height	mm	1260			
Spindle	Spindle end specification	—	A2-4	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	5	6	8	10
	Spindle bore diameter	mm	Φ43	Φ56	Φ62	Φ86
	Max. bar size	mm	Φ35	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	4000	3500	3000
	Spindle motor power	kw	3.7	5.5	7.5	11
	Spindle drive power	kw	5.5	7.5	11	18
Feeding axis	Repeat positioning accuracy	mm	±0.0025			
	Max. traverse speed	M/min	20			
	Power of feed axis motor	kw	1.3			
Equipment specification	Overall dimensions (L*W*H)	mm	2350 × 1650 × 2000			
	Power capacity	kw	8	10	12	14.5
	Net weight	kg	3400	3400	3500	3600

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle		√
CNC System	SYNTEC	√	
	FANUC		√
Driven Head / Turret	Edge milling driven head		√
	Turret		√
Fixture	Front push collet		√
	Back pull collet		√
	Chuck		√
Optional item	Part catcher		√
	Feeding device		√
	Chip conveyor		√
	Automatic manipulator		√

CNC Turning Lathe — A series

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation.
- The 45° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency.
- Small footprint, large stroke and high space utilization.
- Fast movement, fast response and high efficiency .

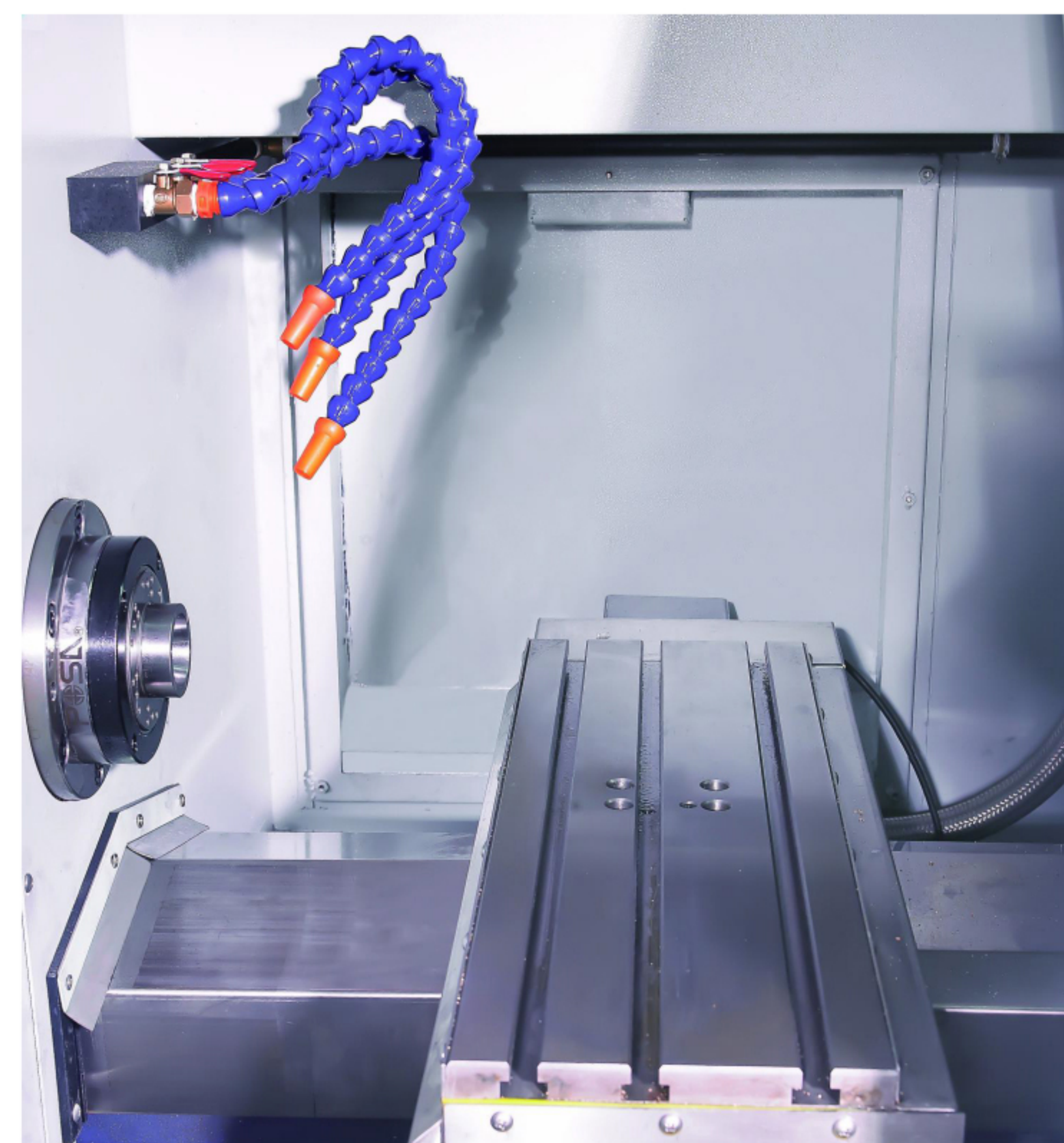


Specifications		Units	A36
Machining capacity	Max. swing over bed diameter	mm	Φ400
	Max. turning diameter	mm	Φ380
	X-axis travel	mm	800
	Z-axis travel	mm	250
	Spindle height from center of tool holder plate	mm	50
Spindle	Spindle center height	mm	1045
	Spindle end specification	—	A2-4
	Hydraulic chuck size	in.	5
	Spindle bore diameter	mm	Φ43
	Max. bar size	mm	Φ35
	Spindle max. speed	r/min	5000
	Spindle motor power	kw	3.7
Feeding axis	Spindle drive power	kw	5.5
	Repeat positioning accuracy	mm	±0.0025
	Max. traverse speed	M/min	25
Equipment specification	Power of feed axis motor	kw	0.85
	Overall dimensions (L*W*H)	mm	1870 ×1400 ×1750
	Power capacity	kw	8.5
	Net weight	kg	2000

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	✓	
	Electric spindle		✓
CNC System	SYNTEC	✓	
	FANUC		✓
Driven Head / Turret	Edge milling driven head		✓
	Turret	—	
Fixture	Front push collet		✓
	Back pull collet		✓
	Chuck		✓
Optional item	Part catcher		✓
	Feeding device		✓
	Chip conveyor		✓
	Automatic manipulator	—	

CNC Turning Lathe — CP series

- Linear guide rail, compact and solid roller screw structure, fast moving speed, high efficiency.
- Convenient loading of tool row structure, rich matching methods, fast and easy.
- The spindle chuck is hidden in the spindle with good precision and high speed. Suitable for



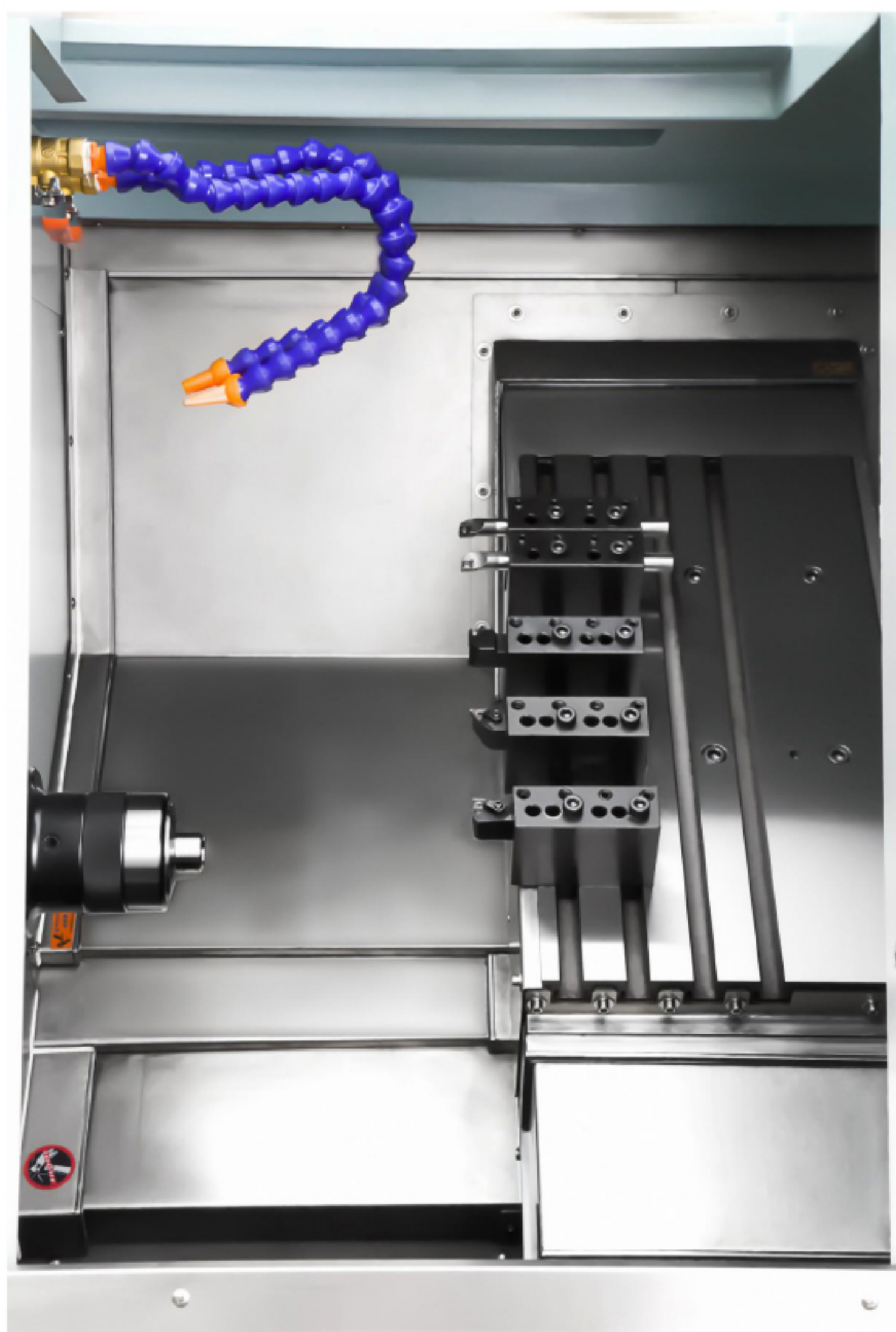
Specifications		Units	CP-20N
Machining capacity	Max. swing over bed diameter	mm	Φ200
	Max. turning diameter	mm	Φ100
	X1-axis travel	mm	560
	Z1-axis travel	mm	175
	Spindle height from center of tool holder plate	mm	70
	Spindle center height	mm	1000
Spindle	Spindle end specification	—	Elastic Collect
	Hydraulic chuck size	in.	5
	Spindle bore diameter	mm	Φ43
	Max. bar size	mm	Φ35
	Spindle max. speed	r/min	5000
	Spindle motor power	kw	3.7
	Spindle drive power	kw	5.5
Feeding axis	Repeat positioning accuracy	mm	±0.0025
	Max. traverse speed	M/min	25
	Power of feed axis motor	kw	0.85
Equipment specification	Overall dimensions (L*W*H)	mm	1870 × 1400 × 1750
	Power capacity	kw	8.5
	Net weight	kg	2000

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	Electric spindle		✓
CNC System	SYNTEC	✓	
	FANUC		✓
Driven Head	ER16 Side driven head		✓
	ER16 End driven head		✓
Paraxial Knife Frame	Plug-in end driven head		✓
	Dovetail row tool holder		✓
Fixture	Front push collet		✓
	Back pull collet		✓
Optional item	Part catcher		✓
	Feeding device		✓
	Chip conveyor		✓

CX series

Turning & milling composite machine

- High-weight bed and base provides excellent vibration resistance.
- The 45° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency.
- X-axis stroke is increased to 1200mm, allowing more tool holders to be installed.



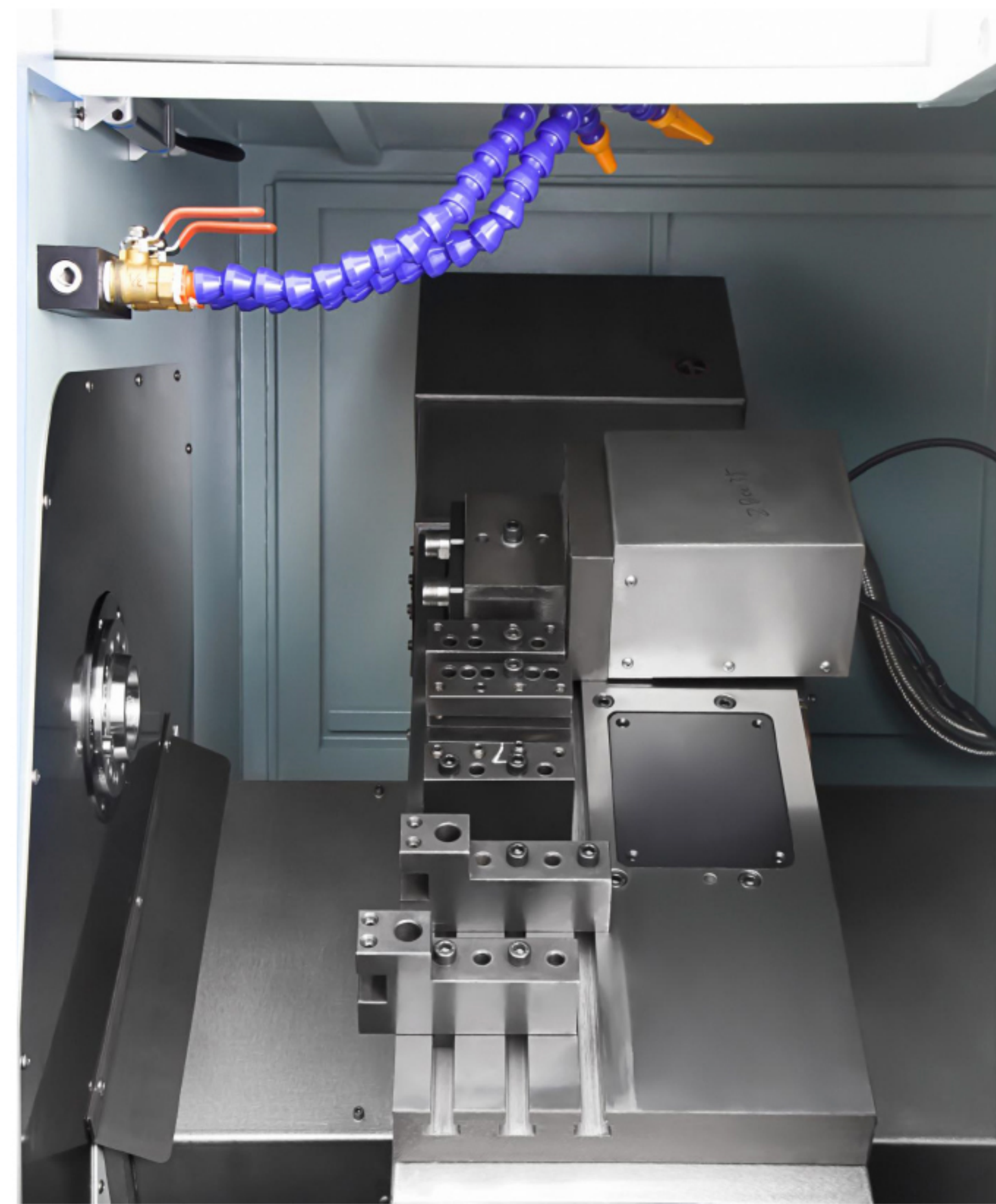
Specifications		Units	CX36	CX46	CX52	CX72
Machining capacity	Max. swing over bed diameter	mm	Φ400			
	Max. turning diameter	mm	Φ380			
	X-axis travel	mm	800			
	Z-axis travel	mm	250			
	Y-axis travel	mm	—			
	Tailstock travel	mm	—			
	Spindle height from center of tool holder plate	mm	50			
	Spindle center height	mm	1040			
Spindle	Spindle end specification	—	A2-4	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	5	6	8	10
	Spindle bore diameter	mm	Φ43	Φ56	Φ62	Φ86
	Max. bar	mm	Φ35	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	4000	3500	3000
	Spindle motor power	kw	5.5	5.5	7.5	11
	Spindle drive power	kw	11	11	11	18.5
Feeding axis	Repeat positioning accuracy	mm	±0.0025			
	Max. traverse speed	M/min	25			
	Power of feed axis motor	kw	1.3			
Equipment specification	Overall dimensions (L*W*H)	mm	1950 × 1520 × 1720			
	Power capacity	kw	9	11	13	15.5
	Net weight	kg	2600	2600	2700	2800

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle		√
CNC System	SYNTEC	√	
	FANUC		√
Driven Head / Turret	Edge milling driven head		√
	Side driven head		√
	End driven head		√
	Turret	—	
Fixture	Front push collet		√
	Back pull collet		√
	Chuck		√
Optional item	Part catcher		√
	Feeding device		√
	Chip conveyor		√
	Automatic manipulator	—	
Holding brake	Hydraulic holding brake	√	
	Pneumatic holding brake		—

HX series

Turning & milling composite machine

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation.
- The 30° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency.
- Longer tool row holder with plenty of space to install the tool holder after installing the driven head.



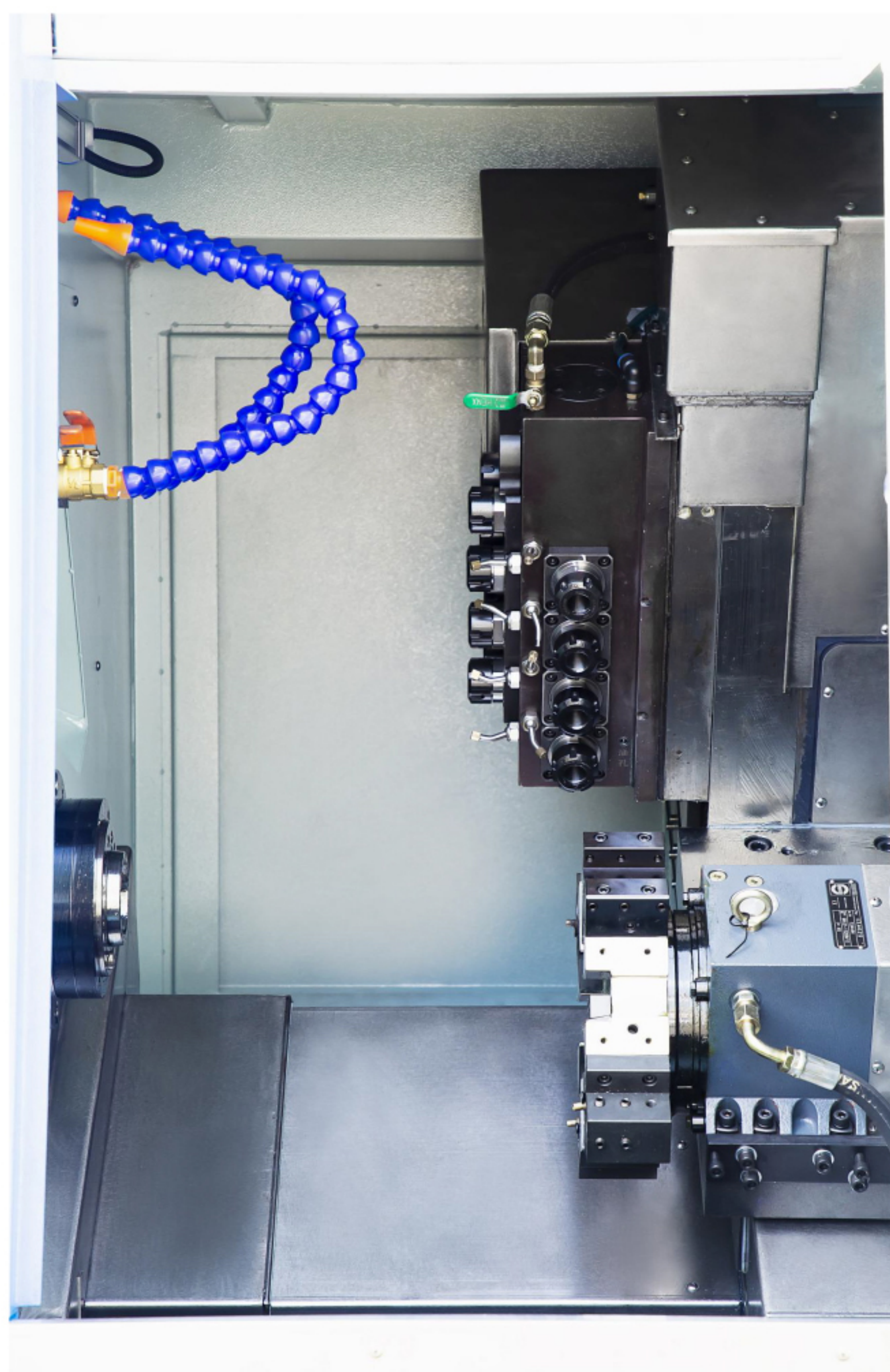
Specifications		Units	HX36	HX46	HX52	HX72
Machining capacity	Max. swing over bed diameter	mm	Φ400			
	Max. turning diameter	mm	Φ380			
	X-axis travel	mm	800			
	Z-axis travel	mm	250			
	Y-axis travel	mm	—			
	Tailstock travel	mm	—			
	Spindle height from center of tool holder plate	mm	50			
Spindle center height	mm	1140				
Spindle	Spindle end specification	—	A2-4	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	5	6	8	10
	Spindle bore diameter	mm	Φ43	Φ56	Φ62	Φ86
	Max. bar size	mm	Φ35	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	4000	3500	3000
	Spindle motor power	kw	5.5	5.5	7.5	11
	Spindle drive power	kw	11	11	11	18.5
Feeding axis	Repeat positioning accuracy	mm	±0.0025			
	Max. traverse speed	M/min	25			
	Power of feed axis motor	kw	1.3			
Equipment specification	Overall dimensions (L*W*H)	mm	1950 × 1520 × 1720			
	Power capacity	kw	9	11	13	15.5
	Net weight	kg	2400	2400	2500	2600

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle		√
CNC System	SYNTEC	√	
	FANUC		√
Driven Head / Turret	Edge milling driven head		√
	Side driven head		√
	End driven head		√
	Turret		√
Fixture	Front push collet		√
	Back pull collet		√
	Chuck		√
Optional item	Part catcher		√
	Feeding device		√
	Chip conveyor		√
	Automatic manipulator		—
Holding brake	Hydraulic holding brake	√	
	Pneumatic holding brake		—

HXY series

Turning&milling composite machine

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation.
- The 30° slant bed design makes it easy for chips removal.
- Equipped with different combinations of driven heads for different machining requirements.



Specifications		Units	HXY36	HXY46	HXY52
Machining capacity	Max. swing over bed diameter	mm	Φ160		
	Max. turning diameter	mm	Φ150		
	X-axis travel	mm	800		
	Z-axis travel	mm	250		
	Y-axis travel	mm	200		
	Tailstock travel	mm	—		
	Spindle height from center of tool holder plate	mm	—		
Spindle	Spindle center height	mm	1165		
	Spindle end specification	—	A2-4	A2-5	A2-6
	Hydraulic chuck size	in.	5	6	8
	Spindle bore diameter	mm	Φ43	Φ56	Φ62
	Max. bar size	mm	Φ35	Φ45	Φ51
	Spindle max. speed	r/min	4000	4000	3500
	Spindle motor power	kw	5.5	5.5	7.5
Feeding axis	Spindle drive power	kw	11	11	11
	Repeat positioning accuracy	mm	±0.0025		
	Max. traverse speed	M/min	20 (X/Z-axis) / 10 (Y-axis)		
Equipment specification	Power of feed axis motor	kw	1.3		
	Overall dimensions (L*W*H)	mm	2100 × 1520 × 1940		
	Power capacity	kw	9	11	13
	Net weight	kg	2600	2600	2700

Configuration Items	Standard Configuration	Optional Configuration	
Spindle	High precision sleeve spindle	✓	
	Electric spindle		✓
CNC System	SYNTEC	✓	
	FANUC		✓
Driven Head / Turret	Edge milling driven head	—	
	Side driven head	✓	
	End driven head	✓	
	Turret		✓
Fixture	Front push collet		✓
	Back pull collet		✓
	Chuck		✓
Optional item	Part catcher		✓
	Feeding device		✓
	Chip conveyor		✓
	Automatic manipulator		✓
Holding brake	Hydraulic holding brake	✓	
	Pneumatic holding brake		—

GX series

Turning & milling composite machine

- High-weight bed and base provides excellent vibration resistance.
- The 45° slant bed design makes it convenient for the operator to install and remove workpiece, and easy for chips removal.
- T-shaped tool row plate reduces tool changing time and supports various tool arrangement combinations to improve production efficiency.
- Longer tool row holder with plenty of space to install the tool holder after installing the driven head.

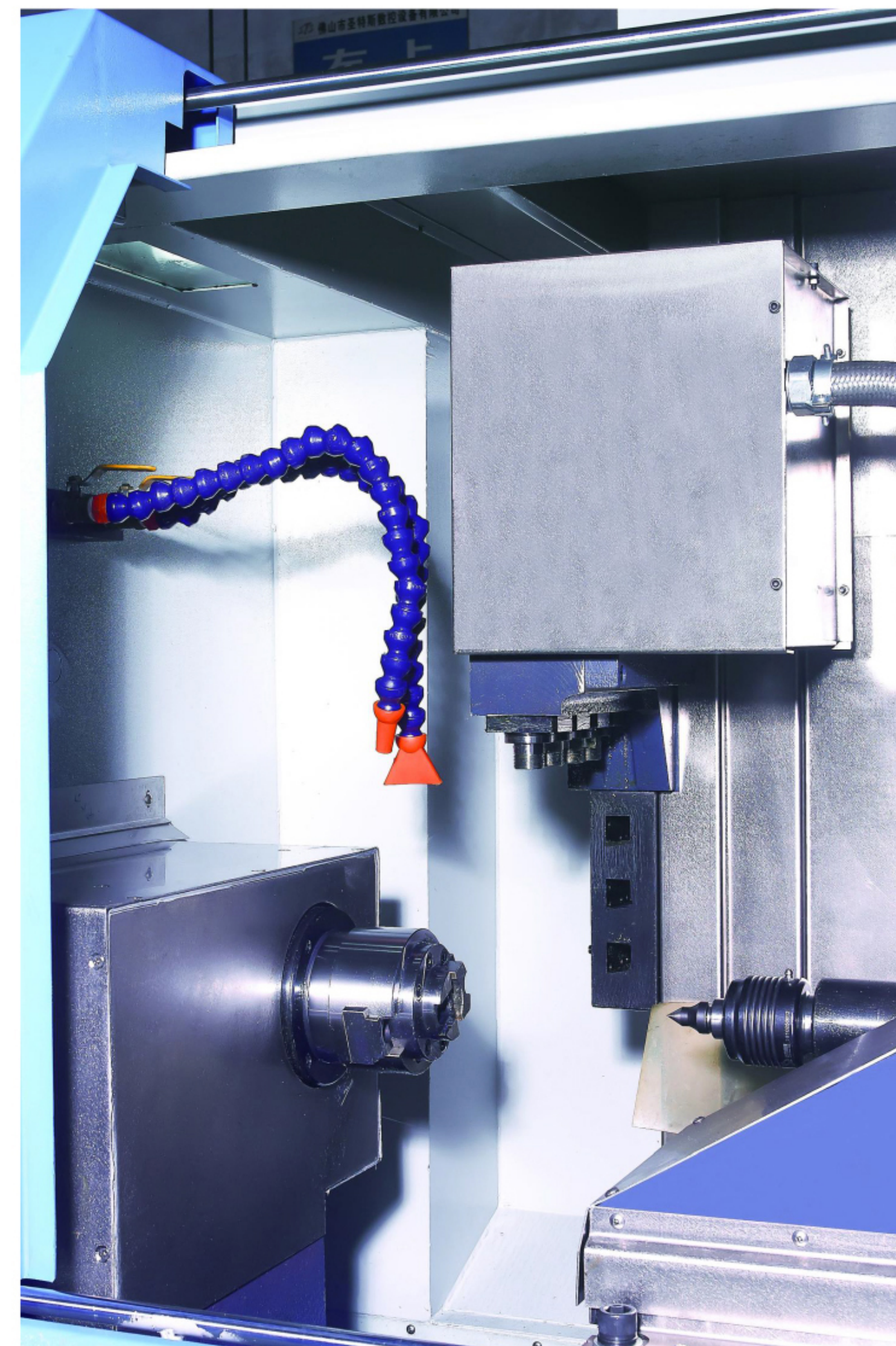


Specifications		Units	GX36	GX46	GX52	GX72
Machining capacity	Max. swing over bed diameter	mm	Φ580			
	Max. turning diameter	mm	Φ480			
	X-axis travel	mm	1200			
	Z-axis travel	mm	350			
	Y-axis travel	mm	—			
	Tailstock travel	mm	—			
	Spindle height from center of tool holder plate	mm	50			
	Spindle center height	mm	1260			
Spindle	Spindle end specification	—	A2-4	A2-5	A2-6	A2-8
	Hydraulic chuck size	in.	5	6	8	10
	Spindle bore diameter	mm	Φ43	Φ56	Φ62	Φ86
	Max. bar size	mm	Φ35	Φ45	Φ51	Φ71
	Spindle max. speed	r/min	4000	4000	3500	3000
	Spindle motor power	kw	5.5	5.5	7.5	11
	Spindle drive power	kw	11	11	11	18.5
Feeding axis	Repeat positioning accuracy	mm	±0.0025			
	Max. traverse speed	M/min	25			
	Power of feed axis motor	kw	1.3			
Equipment specification	Overall dimensions (L*W*H)	mm	2100 × 1650 × 2000			
	Power capacity	kw	8	10	12	14.5
	Net weight	kg	3400	3400	3500	3600

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	✓	
	Electric spindle		✓
CNC System	SYNTEC	✓	
	FANUC		✓
Driven Head / Turret	Edge milling driven head		✓
	Side driven head		✓
	End driven head		✓
	Turret		✓
Fixture	Front push collet		✓
	Back pull collet		✓
	Chuck		✓
Optional item	Part catcher		✓
	Feeding device		✓
	Chip conveyor		✓
	Automatic manipulator		✓
Holding brake	Hydraulic holding brake	✓	
	Pneumatic holding brake		—

YX series

Turning & milling composite machine



Specifications		Units	YX46
Machining capacity	Max. swing over bed diameter	mm	Φ320
	Max. turning diameter	mm	Φ300
	X-axis travel	mm	200
	Z-axis travel	mm	280
	Y-axis travel	mm	180
	Tailstock travel	mm	180
	Spindle height from center of tool holder plate	mm	—
	Spindle center height	mm	—
Spindle	Spindle end specification	—	A2-5
	Hydraulic chuck size	in.	6
	Spindle bore diameter	mm	Φ56
	Max. bar size	mm	Φ45
	Spindle max. speed	r/min	3000
	Spindle motor power	kw	4.4
	Spindle drive power	kw	5.5
Feeding axis	Repeat positioning accuracy	mm	±0.0025
	Max. traverse speed	M/min	20
	Power of feed axis motor	kw	2
Equipment specification	Overall dimensions (L*W*H)	mm	2070 × 1500 × 1910
	Power capacity	kw	10
	Net weight	kg	2800

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle	—	
CNC System	SYNTEC	√	
	FANUC		√
Driven Head / Turret	Edge milling driven head	—	
	Side driven head		√
	End driven head	—	
	Turret	—	
Fixture	Front push collet		√
	Back pull collet		√
	Chuck		√
Optional item	Part catcher	—	
	Feeding device	—	
	Chip conveyor	—	
	Automatic manipulator		√
Holding brake	Hydraulic holding brake	√	
	Pneumatic holding brake	—	

YXB series

Turning & milling composite machine

- The machine bed is an integrated cast high-rigidity bed with large anti-vibration damping and small deformation.
- Full-proof internal protection, effectively separating the machining area with better oil-proof, water-proof and dust-proof effect.
- Equipped with oil bath feeder.
- Capable of machining long bar type workpieces with turning and milling functions.



Specifications		Units	YXB46	YXB52
Machining capacity	Max. swing over bed diameter	mm	Φ320	
	Max. turning diameter	mm	Φ300	
	X-axis travel	mm	200	
	Z-axis travel	mm	350	
	Y-axis travel	mm	180	
	Tailstock travel	mm	180	
	Spindle height from center of tool holder plate	mm	—	
	Spindle center height	mm	1070	
Spindle	Spindle end specification	—	A2-5	A2-6
	Hydraulic chuck size	in.	6	8
	Spindle bore diameter	mm	Φ56	Φ62
	Max. bar size	mm	Φ45	Φ51
	Spindle max. speed	r/min	4000	
	Spindle motor power	kw	5.5	7.5
	Spindle drive power	kw	11	
Feeding axis	Repeat positioning accuracy	mm	±0.0025	
	Max. traverse speed	M/min	20	
	Power of feed axis motor	kw	1.3	
Equipment specification	Overall dimensions (L*W*H)	mm	2070 × 1500 × 1910	
	Power capacity	kw	14	
	Net weight	kg	3200	

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle		—
CNC System	SYNTEC	√	
	FANUC		√
Driven Head / Turret	Edge milling driven head		—
	Side driven head	√	
	End driven head		—
	Turret		—
Fixture	Front push collet		√
	Back pull collet		√
	Chuck		√
Optional item	Part catcher		√
	Feeding device		√
	Chip conveyor		√
	Automatic manipulator		—
Holding brake	Hydraulic holding brake	√	
	Pneumatic holding brake		—

Twin-spindle turning machine — D series

- Complete workpiece machining in one clamping.
- Capable of machining with oil bath feeder.
- Good concentricity of machined products.
- Automatic loading and unloading to save labor cost.
- Different driven heads according to different workpieces.
- Smaller footprint.

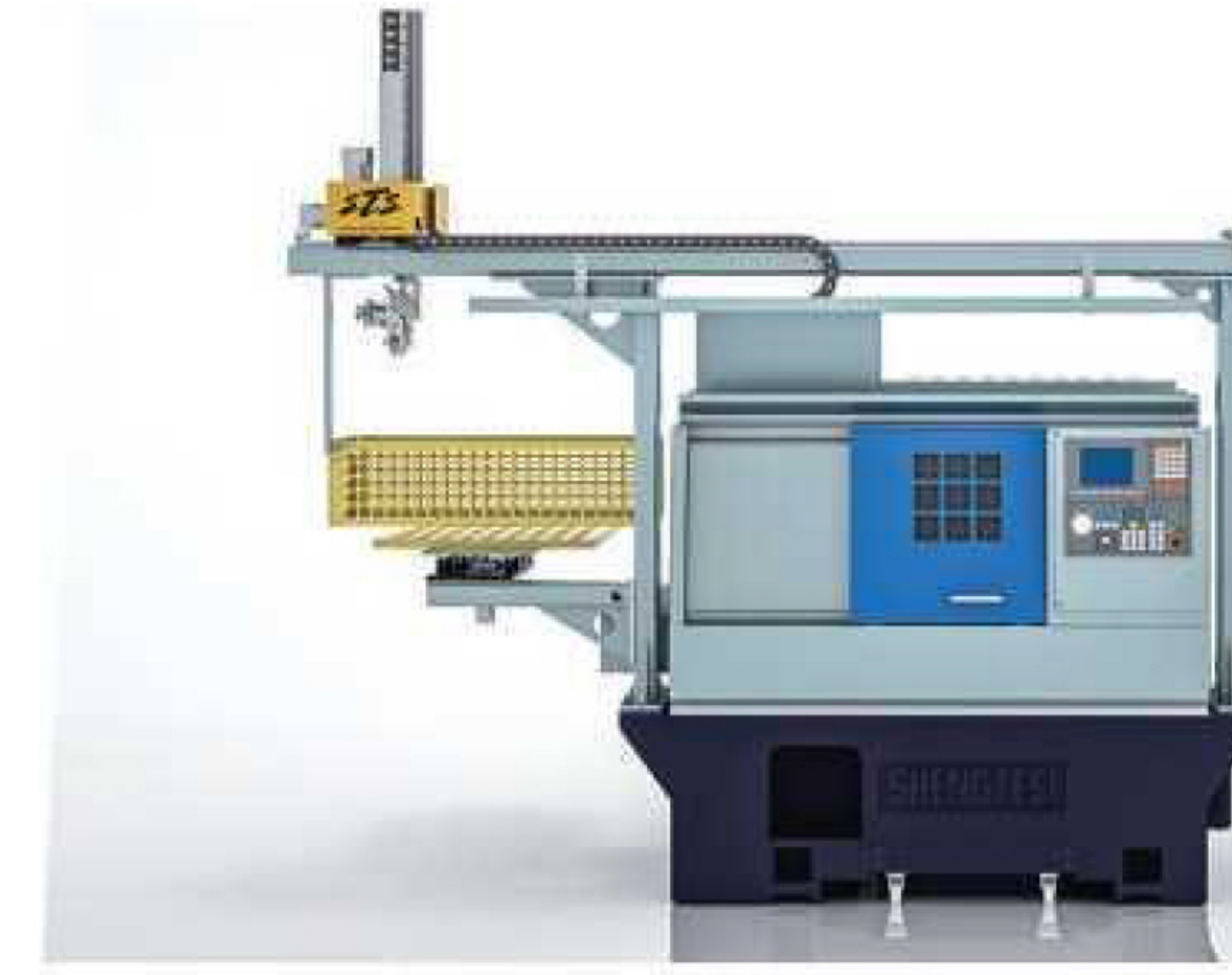


Specifications		Units	D36	D46
Machining capacity	Max. swing over bed diameter	mm	Φ90	
	Max. turning diameter	mm	Φ44	
	X1-axis travel	mm	400	
	X2-axis travel	mm	350	
	Z1-axis travel	mm	180	
	Z2-axis travel	mm	200	
Spindle	Spindle end specification	—	A2-4	A2-5
	Spindle bore diameter	mm	Φ34	Φ45
	Max. bar size	mm	Φ34	Φ44
	Spindle max. speed	r/min	spindle 1:4000	spindle 2:3000
	Spindle motor power	kw	1:3.7 & 2:3.7	1:5.5 & 2:3.7
	Spindle torque	nm	spindle 1:35	spindle 2:24
Feeding axis	Repeat positioning accuracy	mm	±0.0025	
	Max. traverse speed	M/min	20	
	Power of feed axis motor	kw	1.3	
Equipment specification	Overall dimensions (L*W*H)	mm	2275 × 1724 × 1950	

	Configuration Items	Standard Configuration	Optional Configuration
Spindle	High precision sleeve spindle	√	
	Electric spindle		√
CNC System	SYNTEC	√	
	FANUC		√
Fixture	Front push collet		√
	Back pull collet		√
Optional item	Part catcher		√
	Feeding device		√
	Chip conveyor		√
	Automatic manipulator		√

Automatic Production Solutions from STS

Adhering to the concept of “technology first, innovative development” , in response to the national call of “Made in China 2025” , STS insists on customer-oriented and is committed to research and development, and design of intelligent manufacturing solutions for high-end CNC machine tools with robot integration. Our intelligent manufacturing solutions have been applied in the fields of home appliance parts, auto parts, optical instruments and 3C products parts, etc. The solutions can improve the product qualification rate and per capita efficiency, and are highly praised by our customers.



Single equipment automation



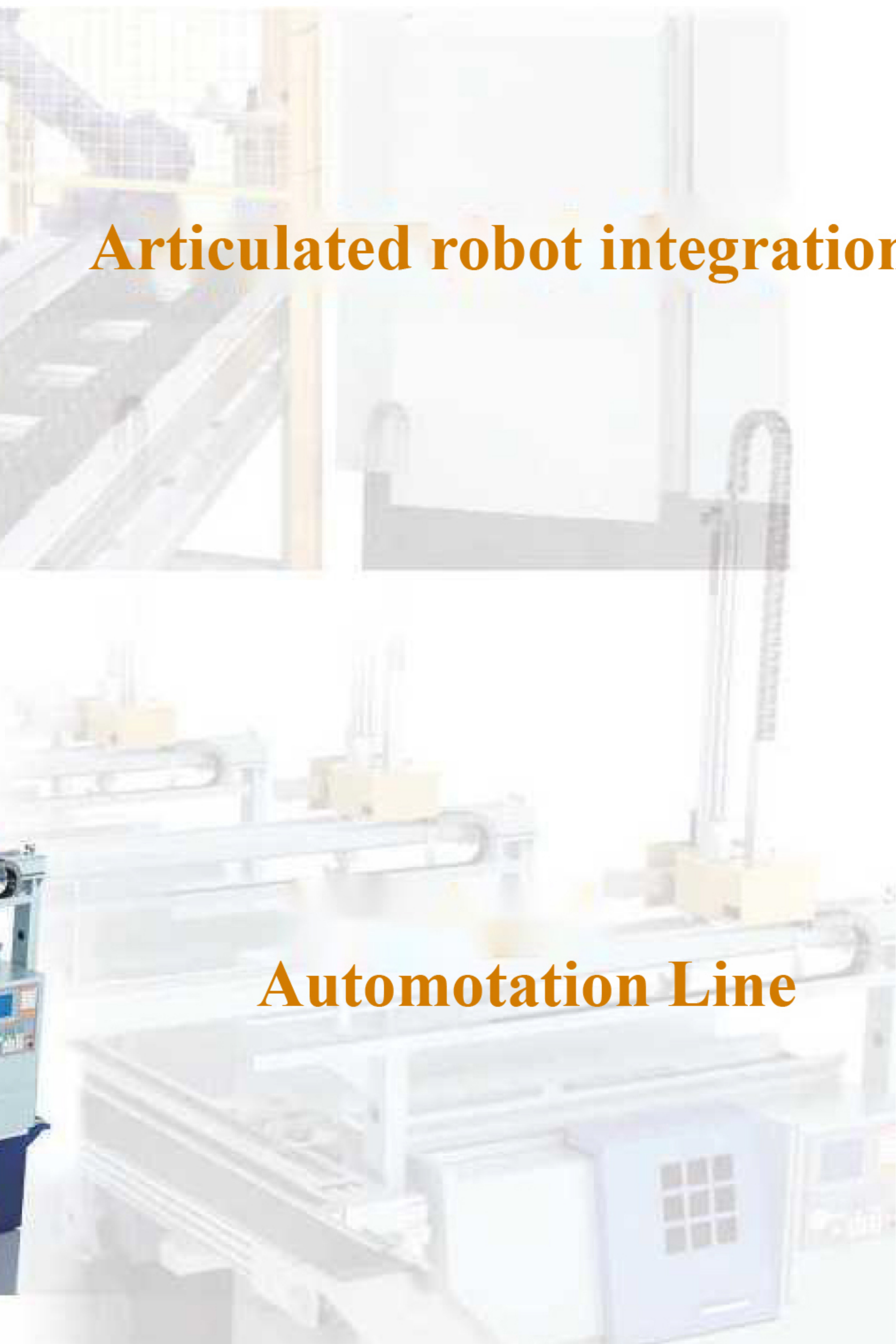
Multi-device automation



Articulated robot integration



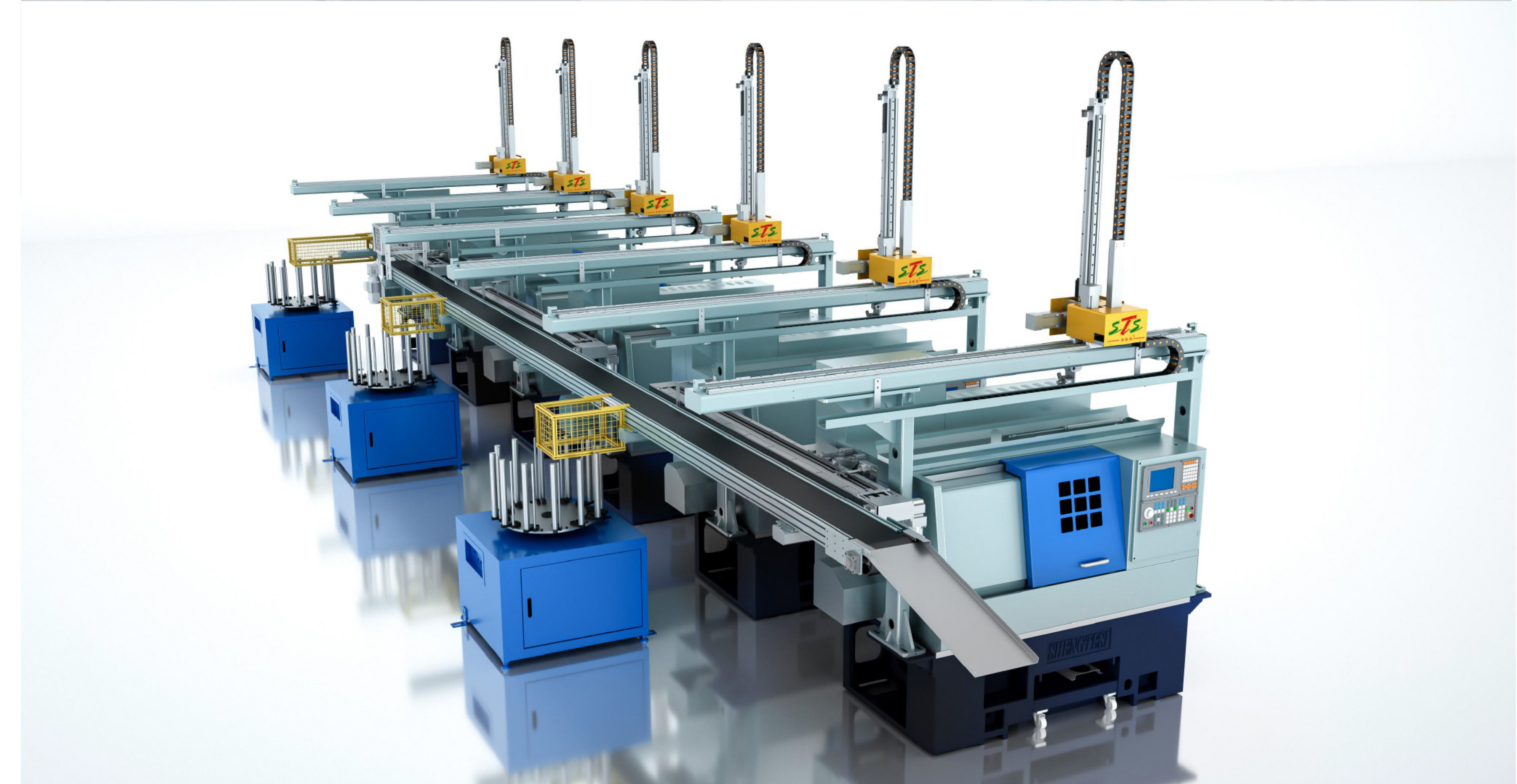
Automotization Line



Specialized equipment customization



Articulated robot integration



Automotation manufacturing solutions

For workpieces that require multi-process machining, we use machine tools and robotic arms integrated, assisted by head-turning devices and crawler-type transport belts to meet the demand for multi-process automated machining. The solution can realize 24-hour operation without manning, and significantly increase the output value per capital.

Program highlights

High efficiency: 24-hour operation, precisely control production, effectively improve output and reduce costs.

High quality: accurate positioning, effectively reduce defective rate.

Safe and reliable: simple operation, reasonable protection, less human influence, stable output.

Processing Sample

