

# Turning and Milling Compound CNC lathe Machine

Model: CTX200S



**Supplier: Shanghai ANTS Machine Equipment Co.,Ltd**

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## Technical proposal

### Part 1: Technical parameter

Specifications		Units	CTX200S
Max. Swing over bed		mm	Φ 700
Swing over cross slide		mm	Φ 300
Maximum shaft length		mm	450
Maximum disk processing diameter			Φ 300
Maximum turning length		mm	450
Spindle	Spindle end type		A2-6
	Spindle through hole diameter	mm	Φ 66
	Bar diameter	mm	Φ 50
	Hydraulic chuck	mm	8 寸
	Hydraulic chuck tie rod through hole	mm	Φ 50
	Spindle taper hole taper	No	MT6#
	Spindle limit speed	rpm	4000rpm
Sub-spindle	Spindle end type		A2-6
	Spindle through hole diameter	mm	Φ 66
	Bar diameter	mm	Φ 50
	Hydraulic chuck	Inch	8
	Hydraulic chuck tie rod through hole	mm	Φ 50
	Spindle taper hole taper	No	70/1:20
	Spindle limit speed	rpm	4000rpm
Tool	Model		TYCSDY80HP-12T Powered turret
	Tool holder model		BMT55
	Y axis travel	mm	± 45
	Power motor torque	N.m	15
	Y-axis motor torque	N.m	6

Lead screw model	X direction		3210
	Z direction		4010
	Z2 direction (sub-spindle)		4010
Guide rail model	X direction		RGH35HA
	Z direction		RGH45CA
	Z2 direction (sub-spindle)		RGH45CA
X/Z/Z2 motor torque		N.M	15/15/15
X/Z/Z2 direction rapid movement speed		m/min	18/18/18
X-direction travel		mm	200
Z-direction travel		mm	520
Minimum setting unit		mm	0.001
Main motor power		KW	11
Total power		KW	32
Machine tool net weight		Kg	4200
Overall dimensions (length × width × height)		mm	4250*2000*2200


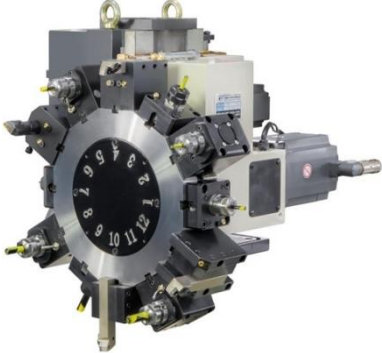

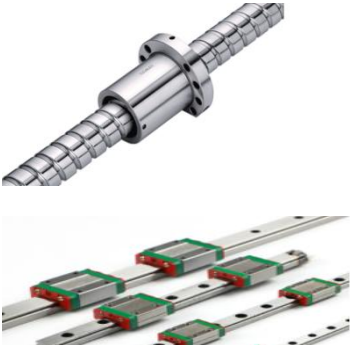
## Part 2 : Product reference picture



## Part 3: Equipment Introductions

### Product description

1. This series of machine tools is a mature product of ANTISHICNC. The machine has a compact structure, beautiful appearance, large spindle torque, high rigidity, stable and reliable performance, and excellent accuracy retention.
2. It adopts a 30° or 45° overall inclined bed structure and is equipped with high-precision preloaded Taiwan linear roller guides. The machine tool has high position accuracy, smooth chip removal, and is suitable for high-speed and high-precision machining.
3. It is precision assembled with high-precision spindle unit and spindle box, and the sub-spindle is precision assembled with high-precision electric spindle and sub-spindle box.

<p>Spindle</p>		<p>The spindle adopts a high-precision spindle bearing set and has been precision assembled and dynamically balanced tested to ensure high spindle accuracy, low noise and strong rigidity.</p>
<p>Tool holder</p>		<p>The tool changing speed is fast and the positioning accuracy is high. Commonly used is a Y-axis powered turret.</p>
<p>Chuck</p>		<p>The wedge-shaped through-hole chuck can quickly clamp and loosen the workpiece under the action of hydraulic pressure, with fast clamping speed and high precision.</p>
<p>Machine transmission</p>		<p>The screws and nuts are processed, ground, assembled and quality controlled in a constant-temperature workshop to ensure their high-precision stability. The linear rail has a small friction coefficient, fast movement speed and high precision.</p>

Sub-spindle		<p>The electric spindle uses a high-precision spindle bearing set and has been precisely assembled and dynamically balanced to ensure high spindle accuracy, low noise and strong rigidity.</p>
Machine tool lubrication		<p>Volumetric lubrication pump, automatic lubrication, mainly bed guide rails and The lubricating surface between the ball screw and nut is continuously supplied with oil.</p>

## Part 4: Standard Equipment&Optional Equipment

### Standard Equipment

Name		Specifications	Quantity	Supplier
Control System		SYNTEC	1 set	SYNTEC
Spindle motor		11KW	1 set	SYNTEC
Spindle unit		HN200	1 set	China
Guide	X direction	1 set	1 set	HIWIN/PMI
	Z direction	RGH45CA	2 sets	HIWIN/PMI
Ball screw	X direction	3210	1 set	HIWIN
	Z direction	4010	2 sets	HIWIN
Tool		TYCSDY80HP-12T	1 set	China
Automatic lubrication device		RBCLB-3ZK	1 set	China
cooling pump		550W	1 set	China

hydraulic station	1.5kw	1 set	China
Hydraulic chuck	KT08-3/A2-6	2 sets	Taiwan-China
Chip conveyor	Chain plate type	1 set	China

### Optional accessories

Name	Specifications	Quantity
Control System	Siemens/Fanuc	1 set

### Part 5 :Manufacturing Time

Around 60 days , the machine will be ready for FAT(Factory Acceptance Test) after received deposit and after confirmed contract and technical proposal.

Remark: If the customer has special requirements for the delivery time, please confirm with Shanghai ANTS machine

### Part 6 : Acceptance Test

Test items	Standard tolerance (mm)
Periodic axial play of the main shaft	0.005
Radial run-out of spindle chuck positioning cone	0.005
Position accuracy	Repeat positioning accuracy A
	±0.005
Diameter uniformity	0.01/150
Flatness	0.025/φ300
Thread pitch product error	0.010/100
Surface roughness	Ra1.6μm

### Part 7 : Quality Assurance & After-sales Service

Shanghai ANTS Machine Equipment Co., Ltd. fully fulfills the terms of machine tool technical services promised to users.

1. Since the final acceptance of the machine tool, all failures caused by quality problems will be guaranteed for one year free of charge.
2. Since the final acceptance of the machine tool, the failure of other parts caused by quality problems will be guaranteed for one year free of charge.
3. Since the final acceptance of the machine tool, we also guarantee to actively cooperate with the user to repair the failure caused by the quality of the machine tool, and free labor costs within one year.

4. Lifetime guarantee to provide spare parts supply at preferential prices.

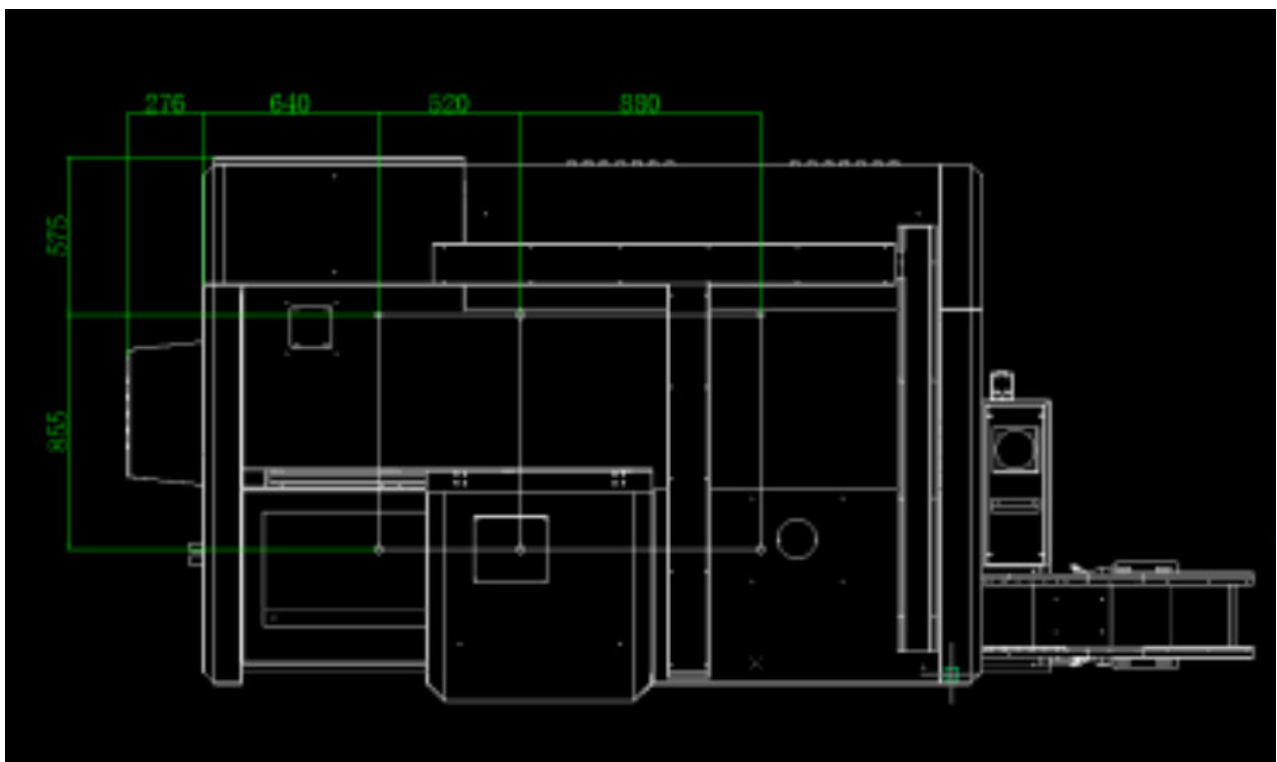
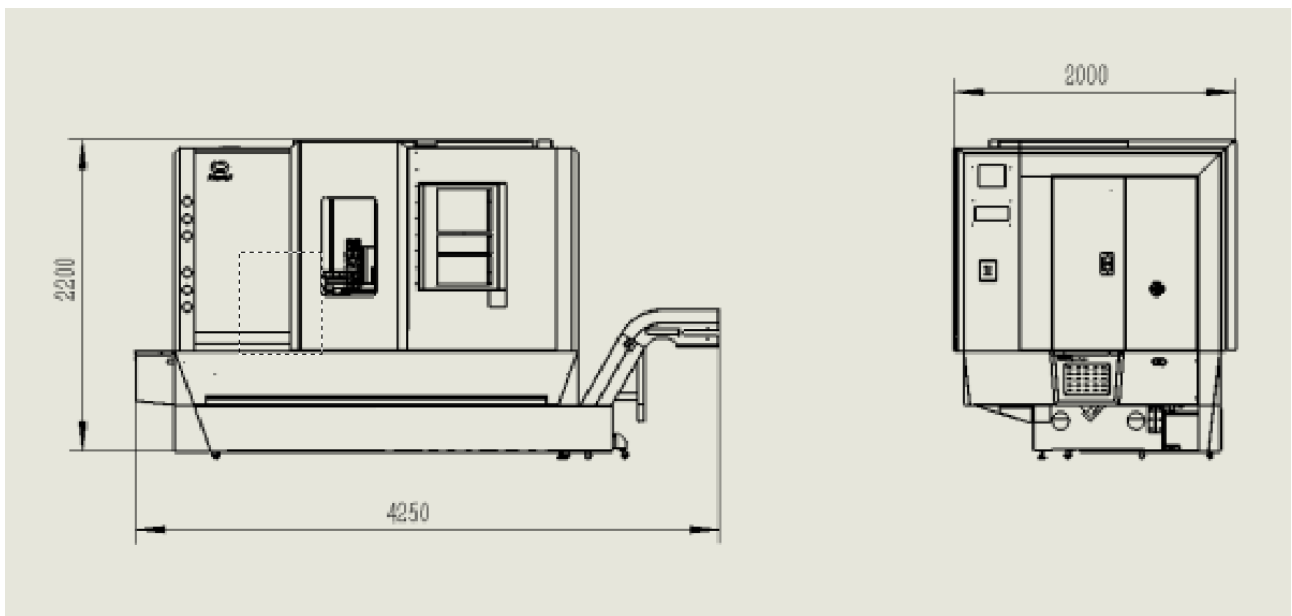
**Warranty service:**

one year warranty( 12 months since customer receive & use the machine).

The manufacturer guarantees to provide life-long paid maintenance services for the product.

**Part 8: Packing & Shipping Terms**

**1. Machine Dimensions&Foundation Drawing**



**2. Provide the following technical documents when the equipment is delivered**

Packing List 1 copy

Certificate of conformity (including precision inspection sheet) 1 copy

User's manual 1 copy

CNC system manual 1 copy

Electric tool holder manual 1 copy

Inverter manual 1 copy

Motor manual 1 copy

Driver Manual 1 copy

**3. Packaging and transportation**

Exporting standard wood box packing

The transportation is carried out in accordance with the contract terms.

**Part 9: Company Introduction**

Shanghai ANTS Machine Company is mainly engaged in Universal lathe, CNC lathe, Heavy duty lathe, Special purpose lathe, Sawing machine, Drilling machine, Milling Machine, VMC(Vertical Machining Centre), HLC(Horizontal Machining Centre), Gantry Machining Centre and other equipment. The products are sold to Hebei, Shaanxi, Hunan, Henan, Jiangsu, Shandong, Guangdong, Shanghai and other places. More than 300 professional after-sales service personnel in 83 offices across the country provide customers with pr-sales and after-sales services at any time. The products are deeply trusted by customers and are exported to more than 20 countries and regions such as the United States, Germany, Italy, India, Thailand, and Russia. Especially in recent years, they have been widely used in major domestic well-known enterprises such as China National Heavy Duty Truck, Ministry of Aeronautics and Space, Zhongyuan Special Steel, Zhengmei Machinery, Shanghai Heavy Industry, Wuhan Iron and Steel, Anshan Iron and Steel and Sany Heavy Industry have the characteristics of rich experience, excellent.

**Factory Pictures**



<b>ISO 14001 Environment Management System</b>	<b>ISO 9001 Quality Management System</b>	<b>European CE Certificate</b>
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**Part 10: Quotation & Transaction Terms**

## QUOTATION SHEET

CURRENCY UNIT : USD

HS Code : 8458110090

Date:February 2, 2024

Machine Type	Equipment Model	Technical Parameter	PRICE in USD (FOB Shanghai)
Turning and Milling Compound CNC lathe Machine	CTX200S	SYNTEC cnc system 12-station turret Chain plate type	- USD/set

\* The sea freight cost fluctuate everyday due to the global shipping situation, The final confirmed price can be checked when the machine is about to ship.

**Remarks :**

- 1. Origin:** The People's Republic of China
- 2. Delivery Time:** 60 Days ready for the factory acceptance test.
- 3. Payment terms:** 30% payment in advance for deposit,70% balance after the pre-acceptance test before shipment
- 4. Package:** Factory ordinary packaging, please confirm with the ANTISHI for more details
- 5. Validity:** 30 Days.(The buyer has to re-check with seller if the quotation validity is expired)