

**Customer needs are everything we do
All We Do Are Clients Demand**



Xiamen Yangsen NC Equipment Co., Ltd

**Pre-sales technical information
YST260-5X-BT30-20K-21T-848D
drilling center**

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1. Corporate Culture Introduction

Yangsen CNC Equipment Co., Ltd. is a high-tech enterprise specializing in the development, design, production and manufacture of CNC machine tools and CNC machine tools. The company is based on Taiwan's manufacturing technology, and at the same time integrates many years of manufacturing experience from many equipment manufacturers, constantly absorbing domestic and foreign. With the advanced scientific research achievements in the same industry, it has developed into an exclusive manufacturer with complete production and assembly machining centers today.

The company's products include vertical machining center, high-speed machining center, high-speed drilling and tapping machine, gantry machining center, horizontal machining center, etc. The main customer groups are precision mold manufacturing, automobile manufacturing, electronic communication industry, precision parts Processing industry and aerospace industry, etc. The company has been operating with integrity. The business philosophy of sustainable innovation, with the most cost-effective products, perfect products and perfect services, provides customers with the best solutions, creates the greatest value for customers, and enhances the competitiveness of customers' products.



In the future, the company will continue to adhere to the high-quality policy of "customer first, market first; technology-based, quality wins: the concept, to create value for customers. Innovate research, keep improving, and wholeheartedly meet customer needs and expectations.

Main business: high-speed high-precision engraving and milling machine, vertical machining center series, high-speed drilling and tapping machine, gantry machining center series, horizontal machining center series. Enterprise service: To provide better products and services, we have been working hard and persevering forever. We aim to build a brand, be honest and trustworthy, and achieve mutual benefit and win-win. We help users use equipment better through continuous technological updates and perfect service system, because of our profession we keep improving.

Technical support: professional engineers come to solve equipment selection for customers. Solve the processing requirements of various products of customers, help users choose suitable and economical solutions, and make the products selected by users more cost-effective.

Quality control: Our products have passed ISO9001 quality system and ISO14000 environmental management system certification

After-sales service: The after-sales service network all over the country is the guarantee for our products to be sold all over the country.

2.Machine Features:

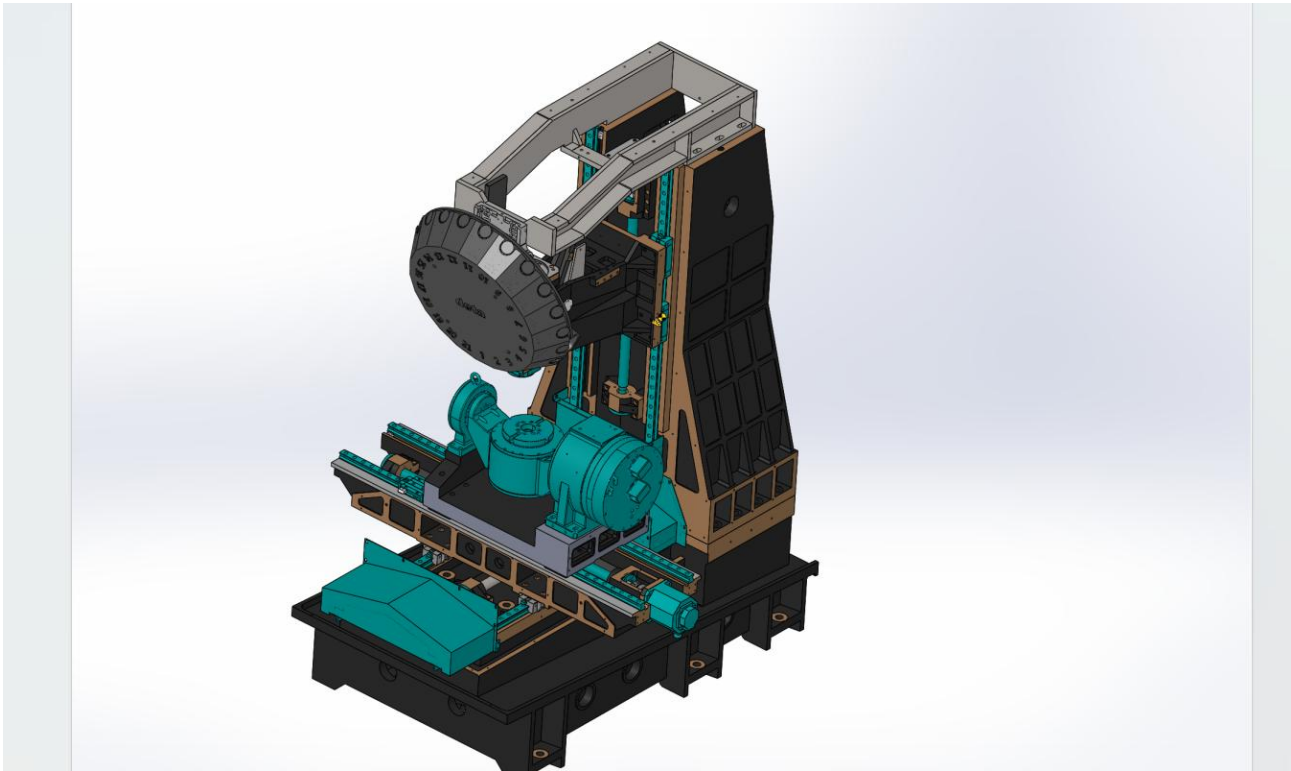


YST260-5X drilling and tapping machine features :

1. BT30 spindle maximum speed 20000r/min, spindle motor power 3.7-5.5kw;
2. Equipped with 21T servo flying saucer tool magazine, tool change time only 1.8s;
3. Rapid displacement up to 48m/min;
4. Rigid tapping speed up to 6000r/min;
5. The whole machine parts include "Huazhong System", "Schneider Electric Components", "Heat

Exchanger", "Oiler" and other famous brands

3.Optical machine features



YST260-5X-ray Machine Features:

1. The machine bed is made of HT300 high-grade cast iron. The stable material and high-rigidity mechanism are the basis for the high-speed operation of the machine tool;
2. The guide rail has a large span, the bed has high precision, and the machine tool weighs 3.4t;
3. The "human"-shaped column design is as stable as Mount Tai;
4. Each machine tool has been aged and then tested by a laser ball bar. It can only be shipped after passing the inspection.



4. Technical parameters:

Item	Spec	Units	YST260-5X
Travel	X/Y/Z axis	mm	600/450/300
	Spindle nose to table distance	mm	50-350
	Distance from spindle center to column track	mm	520
	track form		Linear guide
Worktable	Table size (L*W)	mm	Φ260
	The Max. load capacity of the workbench	kg	100
	Rotation diameter	mm	400
Spindle	Spindle taper hole (model/installation size)	mm	B30
	Spindle RPM	rpm	20000
	Spindle drive mode		DDS
Feed	X/Y/Z axis rapid feed	m/min	24/24/24
	Cutting feed	mm/min	10000
Tool Changer	Tool change		UFO
	Handle Specifications	type	BT30
	Tool Capacity	tools	21
	Max. Tool Diameter (Proximity Tool)	mm	60
	Max. Tool Diameter (Without Proximity Tool)	mm	80
	Max. Tool Length	mm	200
	Max. Tool Weight	kg	3
	Fastest tool change time	sec	2S
Motor	Spindle motor	kw	3.7-5.5
	3 axis servo motor	kw	2.4/2.4/3.7
	Cutting water pump motor	m/h-m	4-60
Accuracy	positioning accuracy	mm	±0.005
	Repeatability	mm	±0.003
Power requirement	power requirements	kva	15
	Air source requirements	Kg/cm	6~8
Machine size	L*W*H	mm	2300*2850*2750
	weight	t	4.8



5.List of main accessories

ITEM	DESCRIPTION	Q'TY	MANUFACTURER	SPECIFICATION
1	CNC System	1	HUAZHONG	848D
2	Spindle Servo Motor		HUAZHONG	3.7-5.5
3	X, Y, Z Servo Motor	Each 1	HUAZHONG	2.4/2.4/3.7
4	Spindle Front Bearings	1 set	Japan NSK	
5	Spindle Rear Bearing	1 set	Japan NSK	
6	X, Y, Z Axis Screw Bearing	Each 1	Japan NACHI	
7	X, Y, Z Axis Screw	Each 1	PMI	Ø36*P8*C3
8	X-Axis Linear Guide	2	Germany Rexroth	30
9	Y-Axis Linear Guide	2	Germany Rexroth	35
10	Z-Axis Linear Guide	2	Germany Rexroth	35
11	Spindle Unit	1	Ruiying	BT30
12	Tool Magazine (Optional)	1	Taiwan North	21T
13	Cutting fluid pump	1 set	YANGSEN	
14	Automatic lubrication system	1 set	YANGSEN	
15	Main pneumatic components	1 set	Taiwan AirTac	
16	Main electrical components	1 set	Schneider	
17	X, Y, Z axis couplings	1 set each	Japan NBK	
18	Heat exchanger	1 unit	OEY	
19	Oil cooler	1 unit	Ricoh	

If any supplier cannot supply it, it will be replaced by a brand of the same quality.



6. Machine tool standard configuration

NO.:	Items	NO.:	Items
1	21-tool flying saucer-style tool magazine	12	Warning light (with buzzer)
2	Fully enclosed guard	13	Floor pad
3	Automatic lubrication system	14	Workpiece cooling system
4	Tool box	15	Network transmission and CF card function
5	Working light	16	Rigid tapping
6	Electrical box heat exchanger	17	Door opening protection device (protective door)
7	Spindle air curtain dust protection system	18	Handheld chip blowing air gun
8	High-flow chip flushing device	19	Machine cleaning water gun
9	Spindle oil cooling device		
10	Iron chip disc and chip storage box		
11	M30 automatic power off device		

7. Machine Tool Selection and Configuration

NO	Items	NO	Items
1	AC five-axis DD rotary table $\phi 260$	9	
2	RTCP tool tip following	10	
3	MEIDELONG Tool setting instrument	11	
4		12	
5		13	
6		14	
7		15	
8			

If the user chooses other special configurations, please contact the technical department.

8. List of attached tools and materials

No	Item	Specification	QTY	Remarks
1	Hexagonal wrench	1.5-10	1 set	
2	Screwdriver	Slotted	1 each	
3	Raw tape	Phillips	2 rolls	
4	Film glue		1 bottle	
5	Electronic hand wheel	Porcelain white	1 piece	
6	Card reader		1 piece	
7	Memory card		1 piece	
8	Network cable		2 strips	



9	Clamping ring	5 Meters, 20 Meters	1 piece	
10	Screw		1 pack	
11	Machine ground electrode		1 stick	
12	Bellows joint		1 piece	
13	Tool box		1 piece	
14	Footholding feet		6 pieces	
15	Instruction manual		1 copy	
16	Certificate of conformity		1 copy	

9. Installation, commissioning, training and acceptance

1. Installation and commissioning: After the machine tool arrives at the customer's factory, our service engineer will go to the customer's factory in time to carry out installation and commissioning and on-site training.
2. Customers can choose to send operators to our company to be responsible for the preliminary training for about a week, and then our company will conduct on-site training at the customer's place during installation and commissioning.
3. Acceptance: Accuracy acceptance, according to the ex-factory accuracy inspection table provided by the supplier, inspect the items that are conditionally inspected at the customer's place, and test the inspection items that do not meet the inspection conditions, such as positioning accuracy, spindle taper hole accuracy inspection stick test etc., no testing shall be carried out at the buyer's place, or the buyer shall send personnel to the supplier's factory for inspection and acceptance through negotiation between the two parties.

10 Xiamen Yangsen NC Equipment After-sales Commitment Letter

1. Pre-sales service: Janssen's sales team will provide users with the best processing solutions, including machine tool selection, option configuration, tool and fixture selection, lubricating oil, cutting fluid management and other series of services. And can provide turnkey projects.
2. Maintenance response time: Our company has a service team of up to 50 people and is equipped with a complete service vehicle. After receiving the user's notification of failure, we will respond within 8 hours.
3. Parts inventory: Janssen has a special production workshop and parts inventory in Xiamen, with strong strength and complete inventory. There are commonly used parts inventories in each office to provide users with the fastest repair parts.



4. Machine tool maintenance: All machine tools within the warranty period enjoy free maintenance services, and machine tools outside the warranty period can purchase maintenance services at an economical and reasonable price. And PCs can plan equipment management and maintenance processes according to customer needs.
5. Maintenance charges after the warranty period: The charging standard is clearly marked and the real price is charged, only the cost is charged, and the user is served with the concept of openness, fairness and fairness. After the maintenance period, our company is responsible for providing spare parts at preferential prices for a long time, and the maintenance service fee time is not more than 48 hours;
6. Ad hoc old user service department: closely track the use of machine tools, and deal with maintenance complaints in a timely manner.
7. Maintenance supervision: the general manager also serves as the director of the after-sales service department, supervises the quality of maintenance services in real time, and protects the rights of customers.
8. Warranty: From the date of acceptance of the equipment, a one-year warranty period is provided. During the warranty period, our company is responsible for free maintenance for equipment failures caused by users. If the fault is caused by improper use by the user, the cost fee will be charged after the service.

11. Machine Tool Working Conditions

1. Three-phase AC power supply: 380V±10%, -15%; 50Hz±1Hz
2. Ambient temperature: 8 ~ 40C°
3. Relative humidity: ≤80%
4. Air pressure: 0.6 ~ 0.8 MPA

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The company's products are constantly being developed and improved, and specifications may be changed without notice. Some images in this document may contain optional items.

The pictures in this document are for reference only, and the actual product shall prevail.