

All We Do Are Clients Demand



 **厦门扬森机械科技有限公司**
Xiamen YANGSEN Machinery Technology Co., Ltd

Pre-sales technical information

YSLC-500 Vertical Lathe

Xiamen Yangsen CNC Equipment Co., Ltd.

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YSLC-500 Technical Agreement

1. The main technical parameters and precision:

1) Machine tool technical parameters::

Item		Unit	Specification	Remarks
Max rotation diameter		mm	700	
Max turning height		mm	550	
Max turning diameter		mm	500	
Spindle bore diameter		mm	∅ 62	
Max Bar Processing Diameter		mm	∅ 52	
Spindle end type and code			A2-8	
Single spindle headstock	Spindle speed range	r/min/Nm	50~3000	FANUC 0i -TF
Main motor output power	30 min/continuous	kW	15/18.5	βIIP30/8000
Second motor output power	30 min/continuous	kW	5.5/11	Bii6/12000
Standard chuck	Chuck diameter	inch	8"	
X-axis rapid traverse speed		m/min	20	Rolling guide
Z-axis rapid traverse speed		m/min	20	Rolling guide
W-axis rapid traverse speed		m/min	18	Rolling guide
X-axis travel		mm	-12~430	
Z- axis travel		mm	550	
Tool			Servo Turret 8T	
Tool size	Outer circle tool	mm	20/20	
	Boring bar diameter	mm	∅32	
Choose the nearest cutter			Yes	
Weight	Gross weight	kg	6800	

Item		Unit	Specification	Remarks
Max load	Disc type piece	kg	250 (including machine tool accessories such as chucks)	
Shape	length x width x height	mm	2300*4450*2970	Without cooling chip removal

2) Precision:

The precision of this machine implements the national standard of the People's Republic of China JB/T9895.1-1999 "Accuracy Inspection of CNC Vertical Chuck Lathe".

Inspection Item		Factory standard
Precision		IT6
Roundness of the workpiece		0.008mm/ Φ 120
Cylindricity of workpiece		0.012mm / 150mm
Flatness of workpiece		0.015mm/ Φ 300mm
Surface roughness of workpiece		Ra1.6 μ m
Positioning accuracy	X axis	0.016mm
	Z axis	0.018mm
Repeat positioning accuracy	X axis	0.005mm
	Z axis	0.006mm

2. Standard configuration of machine tools and main purchased parts:

Accessories	Specifications	Manufacturer	Remark
CNC system	FANUC 0i-TF	FANUC	
main motor	βiP30/8000 /βii6/12000	FANUC	
Z-axis motor (with brake)	BiS 22B/3000	FANUC	
W-axis motor (with brake)	BiSC 12B/3000	FANUC	
X-axis motor	BIS 22/3000	FANUC	
Spindle bearing		Import	
X-axis ball screw	φ40×10	Taiwan	
Z axis ball screw	φ40×10	Taiwan	
X-axis guide rail	45	Taiwan	
Z-axis guide rail	45	Taiwan	
Hydraulic chuck		Taiwan	
Chuck cylinder	8 inch hollow	Taiwan	
Tool holder	MK-125SVR-8T-004 (8T tool 420)	China	
Chip conveyor	Rear chip chain plate chip conveyor	China	

Note: The chain plate chip conveyor is not suitable for castings processed with water.

3. Machine tool accessories (random):

No.	Accessory	Model specification	Quantity	Remarks
1	Foot pad	Use when not laying foundation	1	Our factory
2	Collets	ER25-φ4/6/8/10	1	
3	Cooling Chip Conveyor	Chain plate	1	China
4	Random Tool		1	Our factory

Others are carried out according to the standard configuration of the machine tool.

4. Random files:

No.	Document name	Quantity	Remarks
1	Machine Manual	1	
2	Machine Tool Safety Guide	1	
3	Machine Tool Transport and Installation Manual	1	
4	Certificate of Conformity	1	
5	Packing List	1	
6	Chuck, cylinder operation manual (or maintenance manual)	Each 1	
7	Lubrication Pump Manual	1	
8	Tool Holder Instruction Manual	1	
9	Hydraulic System Manual	1	
10	Chip Conveyor Manual	1	
11	Machine Manual (Electrical)	1	
12	Lathe/Machining Center System General User Manual (FANUC System)	1	
13	Parameter manual (FANUC system)	1	
14	Lathe System User Manual (FANUC System)	1	
15	Maintenance manual (FANUC system)	1	
16	Circuit booklet	1	
17	PLC program	1	
18	Machine tool control parameter list	1	

5. Acceptance of machine tools:

1. Pre-acceptance: The pre-acceptance is carried out at Party B's site, and the items in the machine tool certificate are inspected, and one piece of Party B's standard comprehensive test piece is turned. If all items meet the requirements, the machine tool is deemed to have passed the pre-acceptance and can be shipped. Tools and parts shall be provided by Party B.
2. Final acceptance: The final acceptance is carried out at Party A's site, under the guidance of Party B's personnel. After the machine tool has been debugged and passed the test, the machine tool enters the quality assurance period. Party A shall provide convenient working conditions for the debugging personnel of Party B.

6. Technical training:

Party A's personnel go to Party B's location for training, and Party B is responsible for conducting technical training on operation, programming, maintenance, etc. for Party A's personnel for a period of one week, and Party A shall bear the travel expenses of the training personnel. The personnel of Party B shall conduct targeted operation and programming training on the site of Party A.

7. Irresistible accidents:

Due to serious disasters (such as fires, floods, snow disasters, earthquakes, etc.) and other irresistible accidents agreed by both parties, when one party cannot perform this agreement, the party encountering the above accidents must immediately (at the fastest speed) If the situation affects this agreement, notify the other party by fax or telegram, and provide the details of the accident by air express mail, as well as the supporting documents affecting the performance of this agreement, which should be stamped by the notary department of the party affected by the accident, The time delayed due to the above-mentioned accidents shall be extended on the basis of the original delivery date.

7. The agreement will take effect simultaneously with the contract after it is signed as an attachment to the contract.

8. Other unfinished matters shall be resolved through friendly consultation between the two parties.

Party A: Company

Party B:

Representative Signature:

Representative Signature:

Date:

Date: