

Vertical Cnc Lathe Machine VTC5060 VTC7080L VTC9010L VTC1200L VTC1600

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: VTC5060/ VTC7080(L) VTC9010(L) VTC1200(L)VTC1600
- Minimum Order Quantity: 1
- Price: USD31000-40000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



Product Specification

- Voltage: 380v 3 Phase
- Automatic Grade: Printed
- Condition: New
- Cnc Or Not: Normal
- Type: Horizontal
- Maximum Turning Diameter: 600mm
- The Z Axis Stroke: 700mm
- Spindle Speed: 80-2000
- Highlight: VTC9010L Vertical cnc lathe machine , VTC5060 Vertical cnc lathe machine , VTC7080L Vertical cnc lathe machine

Product Description

Specification		VTC5060(L)	VTC7080(L)	VTC9010(L)	VTC1200(L)	VTC1600
	Trip					
mm	maximum turning diameter	600	800	1000	1200	1600
mm	maximum cutting length	500	700	700	800	1000
mm	maximum cutting diameter	500	700	900	1200	1600
X mm	The X axis stroke	150	200	250	380	-100,+1125
Z mm	The Z axis stroke	700	700	700	800	900
mm	Beam lifting distance					750
	Spindle					
	Spindle cell form	A2-6/8	A2-8/11	A2-11	A2-11/15	
r/min	Spindle Speed	80-2000	80-1500	80-1200	80-1200	1 62/ 62 250 Two-stage gearbox spindle Low speed 1-62 / High speed 62-250
	Series of spindle speed	stepless	stepless	stepless	stepless	2 Level 2
	Spindle ratio	0.04375	0.04375	0.04375	0.04375	-
kw	Output power of main motor	15	15/18.5	18.5/22	22/30	37/45
Nm	Rated torque of main motor	191	191/236	236/280	280/382	-
	The workbench					
/	Chuck Dia/form	400/K3L	800/K3L	800/K3L	1000/K3L	1600/4 Four claws
mm	Magnet Chuck	500	600	800	1000	-
	The motor					
X Kw(Nm)	X axis servo motor	2.4(15)	2.4(15)	2.8(18)	3.6(23)	6kW(α40i)
Z Kw(Nm)	Z axis servo motor	2.4(15)	2.4(15)	2.8(18)	3.6(23)	6kW(α40 iβ)
	Tool post form					
	Row of knives	Row tool rest	Row tool rest	Row tool rest	Row tool rest	ATC-
T	Electric tool post	4/6	4/6	4/6	4/6	BT50,12/24/32/48/60, Cutter size,280W×150T×380L
T	Hydraulic tool tower	8/12	8/12	8/12	8/12	
T	Power tool rest	8/12	8/12	8/12	8/12	
	Feed					
m/min	A cutting feed	1-10	1-10	1-10	1-10	1-10
X m/min X axis move fast	Hardened rail	10	10	8	8	12
	Linear rail	18	18	15	15	-
Z m/min Z axis move fast	Hardened rail	10	10	8	8	10
	Linear rail	18	18	16	16	
	Other					
KVA	Electrical capacity	16	18	22	24	65
()T	weight of the machine	6.2	7.5	13	15	24



The vertical lathe has several significant advantages that make it widely used in industrial machining. Here are the main advantages of vertical lathes:

Main Advantages

High Load Capacity: The design of vertical lathes allows for direct support of heavy workpieces on the worktable, providing greater rigidity and stability. This makes them suitable for machining large and super-heavy parts, such as brake discs and pump housings.

Compact Footprint: Due to their vertical structure, vertical lathes typically occupy less floor space, making them ideal for workshop environments with limited space. This feature allows for more flexible workshop layouts.

High Precision Machining: Vertical lathes can achieve high precision in machining, making them suitable for producing parts with strict requirements, such as those in the aerospace and automotive industries. Their design ensures stability and accuracy during high-speed operations.

Versatility: Many modern vertical lathes are equipped with CNC systems, enabling them to perform various machining operations such as turning, milling, and drilling, which enhances the flexibility and range of applications of the equipment.

Streamlined Process Flow: Vertical lathes can complete multiple machining steps on a single machine, reducing the number of times a workpiece needs to be handled, thereby improving production efficiency and lowering processing costs.

Strong Adaptability: Vertical lathes can handle a variety of materials and complex geometries, adapting to different industrial needs and meeting diverse machining requirements.

Ease of Operation and Maintenance: Modern vertical lathes often feature user-friendly control interfaces and automation functions, making operation simpler while reducing the skill level required from operators.

In summary, vertical lathes play an important role in modern manufacturing due to their high load capacity, space-saving design, high precision, versatility, and other advantages.

Application Fields

Vertical lathes are widely used in the following areas:

- Aerospace component manufacturing
- Heavy machinery part processing

Manufacturing of complex parts such as brake discs and pump housings

Machining of components for various large equipment

Due to their unique structure and functionality, vertical lathes have become an indispensable tool in many industrial sectors



shandong lu young machinery co.,ltd



86 18660852746



sales@luyoungmachinery.com



luyoungcncmachines.com

Room 1061, Building A, Guoshan Center, Taiqian Street, Taishan District, Taian City, Shandong Province