



shandong lu young machinery co.,ltd

luyoungcncmachines.com

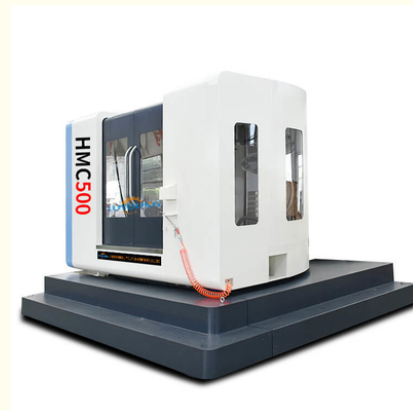
Hmc500 Heavy Duty Machining Center Automated Cnc Milling Machine For Metal

Our Product Introduction

For more products please visit us on luyoungcncmachines.com

Basic Information

- Place of Origin: CHINA
- Brand Name: luyoung
- Certification: ISO, CE
- Model Number: HMC500
- Minimum Order Quantity: 1
- Packaging Details: plywood box
- Delivery Time: 30 days
- Payment Terms: 30% T/T as deposit, the balance will be paid before shipment.
- Supply Ability: 100sets per month

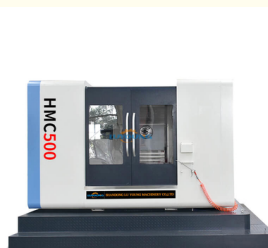


Product Specification

- Machine Color: As Your Requirement
- Condition: New
- Items: BT40-BT50
- Power Requirement: 380V, 3-phase
- Color: Customized According To Customer Requirements
- Table Size: 500*500mm
- Port: Qingdao,Ningbo Or Shanghai Port
- Machinery Test Report: Provided
- X Axis Travel: 800mm
- Y Axis Travel: 520mm
- Z Axis Travel: 700mm
- Motor Power: 15kw



More Images



Product Description

Hmc500 heavy duty automated cheap cnc milling machine for metal with taiwan spindle

Product Description:

HMC500 3 axis 4 axis 5 axis metal horizontal cnc milling machine for sale with 24 arm taiwan ATC .This machine tool can be used for precision machining of aerospace, automobiles, internal combustion engines, home appliances, and general machinery. It has good performance in completing the box hole system and plane processing during clamping, and is especially suitable for the turning and boring processing of box holes.





Specification

Name			Specifications	unit
			HMC500	
working table	Worktable size		500*500	mm
	Max loading weight on worktable		600	kg
	T slot size			Mm/ piece
process range	X axis maximum travel		800	mm
	Y axis Maximum travel		520	mm
	Z axis maximum travel		700	mm
	Distance from spindle end face to worktable center		150-850	mm
				mm
	Distance from spindle center to work table		130-650	mm
Spindle	Spindle taper (7:24)		BT 40 φ150	
	Range of spindle speed		8000	r/min
	Motor power		15	kW
feed	Rapid feeding speed	X axis	18	m/min
		Y axis	18	
		Z axis	15	
	feed speed		1-10000	mm/min
Auto Tool changer	Tool changer design		arm type auto tool changer	
	ATC content		24	piece
	Tool change time		2.5	s
positioning accuracy	Accuracy test standard		JISB6336-4:2000/ GB/T18400.4-2010	
	X/Y/Z axis		±0.008	mm

X/Y/Z axis Repeat positional accuracy	±0.005	mm
Size (length× width× height)	4800*3600*2800	mm
Machine weight	8000	kg

Collocation	specifications	manufacturers	place of origin
CNC control system	Syntec	Syntec	Taiwan
Servo drive and motor	System matching	Syntec	Taiwan
Three axis bearing	Inside diameter 40, outside diameter 72	SKF/NACHI	Switzerland/Japan
Three-axis ball screw (C3 grade)	X/Y:FD4012; Z:FD5010	NMC/TEC	Taiwan
Three axis guide	X/Y:HGH45HA ; Z:HGH55HA;	HIWIN/ROLLON	Taiwan
tool changer	24 arm type auto tool changer	OKADA/RELIB/DE X	Taiwan
belt type spindle	BT40-150-8000r/min	Volis/National Taiwan University/Okada	Taiwan
Booster Cylinder		Volis	Taiwan
Outer protective cover			China
3 AXIS telescopic protection	Steel plate type		China
pneumatic device		AIRTAC	Taiwan
pressure switch		SMC	Japan
cooling pump	CBK4-30/3	Rocoi	Taiwan
Machine tool heat exchanger	HPW-10AF		China
Main electrical components		Schneider /Delixi	France/China
connection terminal		WAGO	Germany
Rotary table	1 degree and 1 point		China

Product feature:

Bed body:The bed body adopts integral positive T-shaped castings with good rigidity and precision retention. The exchange table and the tool magazine manipulator are fixed on the bed body to ensure the overall rigidity of the machine tool.The design of the bed body is analyzed by finite element, and its structure is reasonable and the ribs are arranged appropriately, so that it has sufficiently high static and dynamic rigidity and precision retention.

Column:The machine uses a dynamic column structure to move on the bed body. Its internal rib plate is analyzed by structural statics, dynamics and topology of finite cells.

Spindle box: The structure of the spindle box is analyzed by the structural statics, dynamics and topology of finite cells, and the reasonable structure design and the combination of reinforced ribs ensure the high rigidity of the box.

Dual switching workbench .The machine uses APC lift construction and direct swing. The whole process of work station exchange uses two sets of cam continuous motion for fast switching (exchange time: 12.5 seconds), which is very smooth and has very high reliability.

Worktable:The working table structure is very rigid after the structural statics, dynamics analysis and topological analysis of finite cells.

Spindle:The machine spindle has a two-speed internal variable speed electrical spindle structure with a maximum speed of 6000rpm. The customer can also select two internal variable speed spindles up to 12000 rpm. the spindle of the gear drive can also be configured according to customer requirements.

Screw:The X, Y and Z coordinate bars of the machine all use hollow strong cold technology, and the temperature of the cooling oil is controlled in real time, so that it changes in a small temperature range, thus reducing the thermal deformation of the screw in the process of cutting force and rapid movement, increasing the distortion stiffness of the screw, improving the processing accuracy of the machine tool, effectively reducing the inertia of the workstation's high-speed movement.

Guideline:X, Y, Z three coordinate guides using high-rigid self-lubricating roller straight rolling rail, good carrying performance, the use of a straight-line rolling rail with a shelf to improve the rail life by 2.4 times. The roller rails have a self-lubricating function and are self-injected with grease to maintain their lubrication performance for a long time.

Customization:

Product Customization Services for luyoung HMC500 CNC Milling Machine

Product Attributes:

Brand Name: luyoung

Model Number: HMC500

Place of Origin: CHINA

Certification: ISO, CE

Minimum Order Quantity: 1

Delivery Time: 30 days

Payment Terms: 30% T/T as deposit, the balance will be paid before shipment.

Power Requirement: 380V, 3-phase

Machine Color: As Your Requirement

Port: Qingdao, Ningbo Or Shanghai Port

Condition: New

Machinery Test Report: Provided

Product Types:

3 axis milling machine

5 axis cnc milling center

24ATC MACHINE

Support and Services:

Our CNC Milling Machine product technical support and services include:

Installation and setup assistance

Operator training

Machine maintenance and repair services

Remote troubleshooting and support

Customized programming and software support

Upgrades and retrofits

Spare parts and accessories

Packing and Shipping:

Product Packaging:

The CNC milling machine will be packaged securely in a wooden crate to ensure safe transportation. The crate will be designed to withstand any impacts that may occur during shipping. All parts and accessories will be securely packed and labeled accordingly to avoid any damage or confusion during transit.

Shipping:

The CNC milling machine will be shipped via a freight carrier that specializes in handling heavy machinery. The carrier will be selected based on their reputation for safe and reliable transportation. The estimated delivery time will depend on the destination and any specific shipping requirements. Once the shipment is on its way, the customer will be provided with a tracking number to monitor the progress of the delivery.

FAQ:

Q: What is the brand name of this milling machine?

A: The brand name of this milling machine is **luyoung**.

Q: What is the model number of this milling machine?

A: The model number of this milling machine is **HMC500**.

Q: Where is this milling machine manufactured?

A: This milling machine is manufactured in **China**.

Q: What certifications does this milling machine have?

A: This milling machine has **ISO** and **CE** certifications.

Q: What are the payment terms for this milling machine?

A: The payment terms for this milling machine are **30% T/T as deposit, the balance will be paid before shipment**.

Q: What is the minimum order quantity for this milling machine?

A: The minimum order quantity for this milling machine is **1**.

Q: How long does it take to deliver this milling machine?

A: It takes **30 days** to deliver this milling machine.



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