

Heavy Duty CNC Lathe Machine CK6112 Flat Bed Lathe Machine OEM ODM

Our Product Introduction

for more products please visit us on luyoungcncmachines.com

Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: CK6180
- Minimum Order Quantity: 1
- Price: USD50000-USD80000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



Product Specification

- Service: OEM / ODM
- Tailstock Sleeve Taper: MT6#
- Centers Distance: 1000mm
- Machining Accuracy: T6-IT7
- Max Swing Diameter: 1000mm
- Coolant System: Yes
- Spindle Bore: 130mm
- Max. Swing Over Bed: $\Phi 1250\text{mm}$
- Max. Swing Dia. Over Cross Slide: 970
- Max.processing Length(mm): 1500/2000/3000
- Range Of Spindle Speed(r/min): 6-500
- Length*width*height: 3700 x 1920 x 1990
- Net Weight (Kg): 6500



More Images



Product Description

Heavy duty ck61125x1500 distance between two centers flat bed cnc machines



Specifications:

Big Size CNC Lathe				
Item	CK6163	ck6180	ck61100	ck61125
Max. swing over bed (mm)	φ630	φ800	φ1100	φ1250
Max. swing dia. over cross slide(mm)	φ350	φ500	φ820	φ970
Max.processing length(mm)	1000/1500/2000/2500	1000/1500/2000/2500	1500/2000/3000	1500/2000/3000
Form	Three gears No grade to change frequency	Four gears No grade to change frequency	Three gears No grade to change frequency	
Number of spindle speed	No grade		No grade	
Range of spindle speed(r/min)	25-850 rpm	25-850 rpm	6-500 rpm	
The spindle terminal structure	C11	C11	C11	
Diameter of spindle bore (mm)	φ105	φ105	φ130	
The taper of spindle front-end	(Metric)120 1:20		(Metric)120 1:20	
Power of main motor (KW)	11KW	11KW	15KW	
Max.travel of tool post (mm)	X:530 Z:1200/1700/2300/3300		X:530 Z:1700/2300/3300	
Fast moving feed speed (mm/min)	X:4000 Z:5000	X:4000 Z:5000	X:4000 Z:5000	
Resetting accuracy(mm)	X:0.012 Z:0.016	X:0.012 Z:0.016	X:0.012 Z:0.016	
Processing accuracy(mm)	IT6-IT7	IT6-IT7	IT6-IT7	
Surface roughness	Ra1.6	Ra1.6	Ra1.6	
Sleeve diameter of tailstock (mm)	100		φ100	
Sleeve travel of tailstock (mm)	250		250	

Cone hole taper of tailstock's sleeve	MT6		MT6	
Tool post	Four-station vertical electric tool post			
Tool bar section	30×30mm			
Length*width*height	3200/3700/4200/5200×1820×1710	3200/3700/4200/5200×1820×1780	3700/4700/5200×1820×1810	3700/4700/5200×1920×1990
Net weight (Kg)	3900/4300/4800/5200	4100/4500/5000/5400	6000/7500/8500	6500/8000/9000

Features:

Large flat bed CNC lathes have the following characteristics:

Good machinability: The flat bed design makes it easier to machine the bed rails, ensuring the accuracy and stability of the machine.

Suitable for precision machining: The horizontal bed with a horizontal tool carrier improves the accuracy of tool movement, making it suitable for precision small or large CNC lathes.

Compact structure: While the horizontal bed's lower space can make chip removal challenging, the flat bed with a slanted slide layout and inclined rail guards optimizes the machine's width and chip evacuation.

Small floor space: The flat bed or slanted bed layout typically occupies less floor space, with a sleek design that allows for easy enclosure and observation.

Automation convenience: The layout facilitates the installation of robotic arms for single-machine automation, suitable for operations in compact spaces.

Stiffness advantage: Although not as strong in cross-sectional area and resistance to bending and torsional forces as a slanted bed, stiffness can be achieved through optimized design, such as using high-strength gray cast iron and adjustable preload roller guideways.

Customization potential: Large flat bed CNC lathes can be customized to meet specific user requirements, adapting to different machining needs.

Chip management and coolant flow: Although chip removal is not as efficient as with a slanted bed, optimized designs like enclosed beds and front panels improve chip management and coolant flow, reducing the impact on machine thermal deformation.

Accuracy and dynamic performance: By using high-precision ball screws and suitable drive systems, like rack and pinion drive, good dynamic performance and machining accuracy are ensured.

Maintenance and efficiency: The design of these machines is easy to maintain, with rational structural designs and lubrication methods, such as grease lubrication, which reduce energy consumption and environmental pollution.

Economy: The relatively simple flat bed structure makes it easier to produce, contributing to its market share.

Large flat bed CNC lathes, while ensuring accuracy and stiffness, also offer economy and production efficiency, making them a common choice in many industrial applications.

Standard configuration:

CNC gsk control system

4 station tool holder

1500mm distance between two centers

Optional configuration:

CNC control system: Siemens/Fanuc/Syntec

Tool holder: 4/6/8 station electrical tool holder

Distance between two centers: 2000/3000mm

Services:



Quality Assurance



OEM & ODM



Technical Supporting



Overseas After-sales Service



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