



shandong lu young machinery co.,ltd
luyoungcncmachines.com



High Rigidity Rectangular Guideways CK61100 Cnc Lathe Machine Large Bore Spindle

Our Product Introduction

Basic Information

- Brand Name: Luyoung
- Certification: CE
- Model Number: CK61100
- Minimum Order Quantity: 1/SET
- Price: USD12000- USD50000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 30/SET



Product Specification

- Swing Over Bed: 1000mm
- Spindle Bore: 130mm
- Chuck: Manual
- Tailstocl: Manual
- Tool Holder: 4/6/8 Station
- Highlight: **High Rigidity CNC Lathe Machine,
Large Bore Spindle Lathe,
Rectangular Guideways Flat Bed Lathe**

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Product Description

tool post. It has immense locking force and can directly accommodate welded heavy-duty turning tools for powerful cutting.

Robust Feed Drive: Uses high-torque servo motors and **double-nut pre-loaded ball screws** to ensure smooth and stable feed motion without creep under heavy loads.

II. Design and Application Characteristics

Powerful Heavy-Duty Cutting Capability

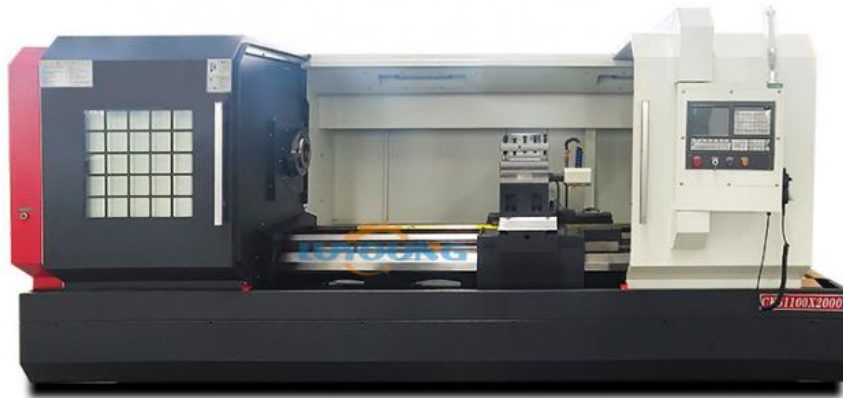
Designed specifically for roughing and "black skin" machining, it can process materials with an extremely high metal removal rate, significantly improving the efficiency of machining large blank workpieces.

High Stability and Accuracy Retention

Its massive weight and robust structure provide exceptionally high damping characteristics and vibration resistance. With proper maintenance, it can maintain stable working accuracy for decades.

Modularity and Customization Potential

As a heavy-duty base model, it can be customized with accessories like **digital display tailstocks, follow rests, steady rests, large bore C-axis function, and hydraulic power chucks** based on user requirements, offering wide adaptability.



Optional configurations:

- 1.Cnc control system: GSK/Siemens/Fanuc/Syntec
- 2.Tool holder: 4-6-8 station electrical tool holder or hydraulic turret
3. 1000/1500/2000/3000mm distance between two centers

The CK61100 is a true heavy-duty industrial mother machine in every sense. It represents the ultimate pursuit of "power" and "scale" in the field of universal horizontal lathes. Its primary task is not to create intricately detailed precision parts, but to **efficiently and stably transform massive metal blanks weighing tens of tons into the required shapes through powerful cutting forces.** It is an indispensable key piece of equipment in the heavy equipment manufacturing industry.

Specification data

Specification	CK6163	CK6180	CK61100	CK61125	CK61140

Max. swing dia. over bed(mm)	φ630mm	φ800mm	Φ1100mm	Φ1250mm	1400
Max. swing dia. over cross slide(mm)	φ350mm	φ500mm	Φ820mm	Φ900mm	1000
Max. processing length(mm)	1000/1500/2000/3000/4000/5000mm		1500/2000/3000/5000mm		
Spindle bore(mm)	φ105mm	φ105mm			φ130mm
Spindle speed(rpm)	Four gears No grade to change frequency	30-84/53-150/125-350/300-835rpm			
X/Z axis fast feeding speed (m/min)	(Metric)120 1:20				
X/Z axis position accuracy	±0.006	±0.006			
X/Z-axis repeatability	X:0.008 mm	X:0.008 mm			
clamping	30×30mm	40×40mm			
tool post type	4/6/8 station electrical tool holder or Hydraulic turret				
Main motor power	11KW				
Tailstock taper	MT6	MT8			
Tailstock sleeve dia.	4/5 M/MIN	4/6 M/MIN			
Tailstock sleeve travel	250mm	300mm			
Overall dimensions(L×W×H)	3200/3700/4200/5200 ×1820×1710mm	3300/3800/4300 × 1940 × 1800mm	2800/3700/4200/5200/6200/7200*1820*1780		
Net weight	3900/4300/4800	4100/4500	4300/4700/5500/6500		4500/5000/5500/6000/6500



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