



shandong lu young machinery co.,ltd  
luyoungcncmachines.com



## Ck61125 Flat Bed Lathe Machine With 2000/1500/3000mm Distance Between Two Centers

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: Ck61125
- Minimum Order Quantity: 1
- Price: USD21000-USD40000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



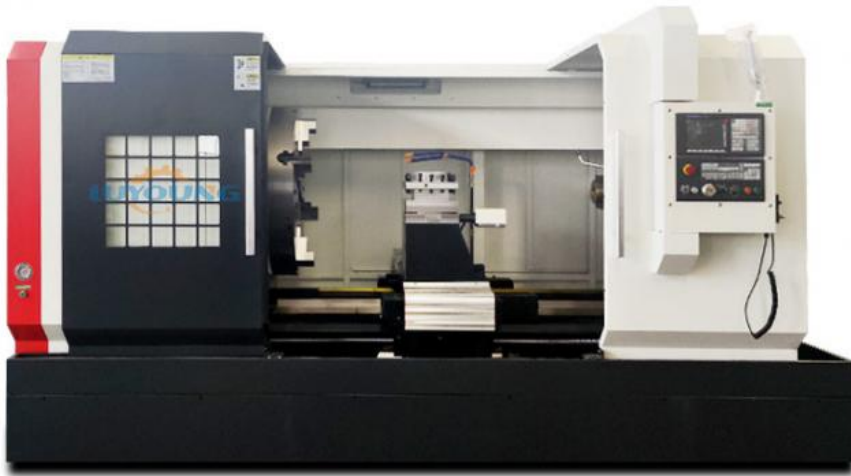
#### Product Specification

- Spindle Rotation Speed: 2800rpm
- Cnc Control System: FANUC/GSK
- Precision: High Precision
- Spindle Speed Ranges: 100~1600r/min
- Cnc Or Not: CNC
- Max Cutting Length: 3000MM
- Max Turning Diameter: 800mm
- Highlight: 3000mm Flat Bed Lathe Machine,  
2000mm Flat Bed Lathe Machine,  
1500mm Flat Bed Lathe Machine

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## Product Description

| 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                 | 3700/4700/5700×1920×1990 |
| Net weight (Kg)                       | 3900/4300/4800/5200                      | 4100/4500/5000/5400                     | 6000/7500/8500                           | 6500/8000/9000           |



The CK61125 is a heavy-duty horizontal CNC lathe known for its precision and versatility in machining various materials. Here's a summary of its features:

**Control and Programming:** It is automatically controlled by a CNC system, which simplifies programming and ensures high precision in operations like internal and external turning, conical and circular surface machining, and threading.

**Bed Structure:** The bed is typically made of high-quality cast iron with a width of 755mm and a full-base structure. The guide rails on the bed are hardened and ground to a hardness of HRC45-52, providing high accuracy and wear resistance. Some models feature a resin sand casting for the bed, offering good rigidity and precision <sup>5</sup>. Some beds also incorporate 45-type linear auxiliary guide rails.

**Spindle:** The spindle is designed with a four-speed gearbox or a three-gear headstock with stepless frequency conversion. The headstock on some models weighs 1.6 tons, which is heavier than the national standard by 200 kg.

**Stability and Rigidity:** Offers a highly stable integrated bed and a high-strength base with a widened carriage <sup>7</sup>. The bed structure is designed to minimize vibration during heavy cutting.

**Additional Features:**

Some models include a hydraulic automatic four- (gear) system with a hydraulic station

Equipped with automatic lubrication systems to ensure cleanliness and heat dissipation, which extends the life of the headstock.

Some configurations include a GSK-980TDi CNC system, manual four-jaw chuck, and an electric tool post

The guide rails are hardened via high-frequency quenching

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