

## CK6180 Heavy Duty CNC Lathe Machine Heavy Duty Flat Bed Cnc Lathe

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: ck6180
- Minimum Order Quantity: 1
- Price: USD25000- USD43900
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 100sets

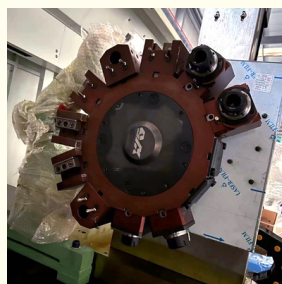


### Product Specification

- Highlight: CK6180 Heavy Duty CNC Lathe Machine, CK6180 flat bed cnc lathe, Heavy duty flat bed lathes



### More Images



## Product Description

CK6180 cnc lathe machine Heavy duty flat bed lathes



The CK6180 is a common CNC lathe model, where "6" signifies a horizontal lathe, "1" indicates general precision, and "80" usually denotes a maximum work piece swing diameter of 800 millimeters. The term "flat bed" refers to the design of the bed, and here are some features of the CK6180 flat bed lathe:

**Structural Feature:** The flat bed design ensures good rigidity and stability, suitable for heavy cutting and precision machining.

**Large Bed Slides:** It may be equipped with large bed slides, enhancing the worktable's load-bearing capacity and stability, reducing vibrations during the machining process.

**CNC System:** It employs advanced CNC systems for automated programming and precise control, improving machining accuracy and efficiency.

**High Precision:** Precision ball screws and linear guides are used to guarantee high accuracy and repeat precision.

**Processing Range:** It is suitable for machining various shaft and disc parts, especially for larger work pieces.

**Automatic Tool Changer:** Equipped with an automatic tool changer, it can perform multiple machining operations in one setup, increasing production efficiency.

**Powerful Drive System:** Typically powered by a high torque motor, it provides ample power for heavy cutting and high-speed machining.

**User-Friendly Interface:** Easy to operate and learn, reducing operator training time.

Please note that specific features may vary depending on the manufacturer and configuration. The above description is general in nature. For more detailed information, referring to the manufacturer's product manual or specifications sheet would be advisable.

| 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           |



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