

# Big Spindle Precision Lathe

This precision lathe is designed for a wide range of turning operations. Featuring a large spindle bore, it accommodates larger diameter workpieces, making it suitable for machining shafts, pipes, and other cylindrical components.



## Overview

### CY Series Big Spindle Precision Lathe

The CY Series Big Spindle Precision Lathe is a robust and versatile machine tool designed for a wide range of turning operations. Featuring a large spindle bore, it accommodates larger diameter workpieces, making it suitable for machining shafts, pipes, and other cylindrical components. Its precision engineering ensures accurate and repeatable results, while its rigid construction minimizes vibration and enhances stability during heavy-duty cutting.

## Safety & Features

### Safety Features

CE-conformity, Torque limiting device, Overload clutch, Follow chip guard

## Capacity

### Key Capacity Metrics

**103 mm**  
Spindle Bore

**400 mm**  
Bedway Width

### Model Specifications

Metric	C6 1/2 60Y	C6 1/2 66Y	C6 1/2 80Y
Swing over bed	600mm	660mm	800mm
Swing over cross slide	375mm	435mm	545mm
Swing in gap	800mm	860mm	1000mm

## Headstock

### Spindle Configuration

- Spindle nose: ISO-c11 or ISO-D11
- 18 speeds (ccw): 9-1275 rpm
- 6 speeds (cw): 16-816 rpm
- Supported at 2 points with precision taper roller bearings