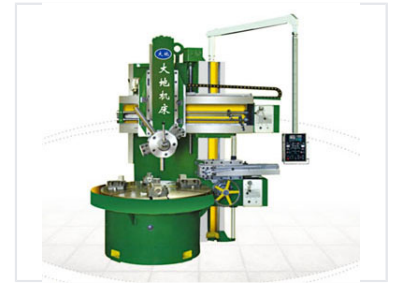


# Single Column Vertical Lathe

This single column vertical lathe is designed for machining large and heavy workpieces. It features a vertical spindle and rotating table for efficient machining of complex geometries.



## Overview

### Precision Vertical Machining

The Single Column Vertical Lathe is engineered for high-precision machining of large and heavy workpieces. Built with high-strength ferosteel, the main structural components undergo tempering to eliminate internal stress, ensuring long-term stability and minimal thermal deformation. This machine combines robust construction with a high-precision workbench and versatile tool rest options to deliver consistent, high-quality surface finishes across demanding industrial applications.

## Mechanical Construction

Material Construction	Ferosteel, Tempered Structure, High Abrasive Resistance
Workbench Bearing System	High precision adjustable diametral clearance biserial short cylindrical roller bearing with constant current and static pressure rack

## Performance Metrics

### Speed Mechanism

**16 steps**  
Speed Steps

Main Drive	AC Motor
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## Tooling & Operation

### Vertical Tool Rest Options

- Square ram
- Electric knife tool carrier
- Manually pentagon knife tool carrier

Side Tool Post	Equipped with square tool carrier; both tool carriers feature hydraulic pressure balancing
Beam Locking Mechanism	Hydraulic two-spot locking

## Customization & Accessories

### Available Accessories

Digital Display • Electric Grinding Head • Turning Tapering