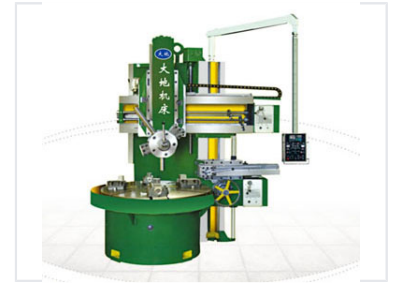


Single Column Vertical Lathe

The single column vertical lathe is a precision machine tool designed for machining large, heavy workpieces with high accuracy. It features a vertical spindle, allowing for efficient turning, facing, boring, and threading operations.



Overview

Precision Vertical Machining

The Single Column Vertical Lathe is engineered for rigorous rough and finishing machining tasks, including internal and external cylindrical turning, conical surface machining, and grooving. Built with high-strength ferroteel, the structure ensures exceptional stability and abrasive resistance. This robust machine tool is designed to deliver high running accuracy and large carrying capacity, making it an ideal solution for heavy-duty industrial manufacturing.

Technical Construction

Workbench Spindle Features

- Biserial short cylindrical roller bearing for precision
- Adjustable diametral clearance
- Constant current and static pressure rack in axial direction
- High running accuracy
- Small thermal deformation

Construction Materials

High-strength ferroteel, Abrasive resistant, Tempered for stress relief

Performance Metrics

Speed Control

16 steps

Speed Steps

Drive System

AC Motor driven main shaft

Tooling

Vertical Tool Rest Options

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

Tooling Features

Hydraulic pressure balancing • Side tool posts included • Square tool carrier on side posts

Optional Features

Customizable Accessories

Digital display unit, Electric grinding head, Tapering turning attachment