

Moving Column Vertical Machining Center

This moving column vertical machining center is designed for the precision machining of large workpieces. It features a rigid frame, a high-speed spindle, and an advanced CNC control system for efficient material removal.



Overview

High-Dynamic Moving Column Machining Center

This vertical machining center features a rigid, FEM-tested steel construction designed for high-dynamic performance and superior precision. With a static table and a dynamic moving column across all three axes, it enables rapid processing of heavy-weight parts while maintaining high repeatability. Ideal for demanding industrial applications, it offers a powerful spindle motor and flexible speed ranges suitable for both roughing and finishing operations.

Performance Metrics

Rapid Traverse Speed

45 m/min

Max Travel Speed

Spindle Speed 12000 rpm

Repeatability 10 μ m

Technical Specifications

Travel Range (X×Y×Z) 3000 x 800 x 600 mm

Axis Design Moving Column, Static Table, Linear Guideways

Equipment & Features

Standard Equipment

- CNC Control System
- 24-Station Tool Changer
- Chip Conveyor
- Totally Enclosed Workspace
- Electronic Hand-wheel
- Automatic Central Lubrication
- Work Lamp

Optional Equipment

Coolant-through Spindle • 4th Axis