

Vertical Machining Centers

These vertical machining centers are designed for high-speed and high-precision machining. They feature a three-axis roller line rail system for heavy cutting rigidity and high-precision performance.



ADDITIONAL IMAGES



Product Overview

High-Performance Vertical Machining Centers

The FV series machining centers are precision-engineered for high-efficiency heavy cutting and high-speed operation. Utilizing advanced finite element structural analysis and a unique low-gravity base design, these machines ensure exceptional thermal stability and rigidity. These centers are ideal for demanding applications in automotive manufacturing, medical equipment production, mold making, and 3C product processing.

Key Performance Metrics

Core Operational Metrics

36 m/min

Rapid Feed Rate (X/Y/Z)

48 m/min

Max Rapid Movement

900 kg

Max Table Load

Technical Specifications

Axis Travel (X/Y/Z)

| Model | X-Axis (mm) | Y-Axis (mm) | Z-Axis (mm) |
|---------|-------------|-------------|-------------|
| FV-1060 | 1020 | 610 | 610 |
| FV-1200 | 1200 | 610 | 610 |

Lead Screw Specifications

C3 Class 45 x P12mm with pre-stretched assembly process

Construction & Design

Structural Characteristics

Three-axis roller line rail, Low gravity base design, Finite element structural analysis (FEM), Direct drive motor design

Application Suitability

Industries Served

- Automotive Parts Production
- Mold Manufacturing
- Medical Equipment
- Telecommunications
- 3C Electronics