

Horizontal Machining Center

This horizontal machining center is designed for demanding metal cutting applications requiring precision. Its robust structure ensures stability and accuracy during machining operations, while an advanced CNC control system allows for efficient programming.



ADDITIONAL IMAGES



Overview

High-Performance Horizontal Machining Center

This horizontal machining center is engineered for high-speed, high-rigidity, and high-precision metal cutting applications. Featuring a robust bed-type moving column structure with a T-shaped layout, it offers excellent thermal stability and accuracy. With advanced features like two-stage gear reduction for constant power and a high-precision rotary worktable, this machine is ideal for demanding manufacturing tasks in automotive and aerospace industries.

Performance Metrics

Key Performance Specs

18 kW

Max Spindle Power

500 Nm

Max Torque Output

36 m/min

Rapid Traverse Speed

Technical Specifications

Machining Capacity

Feature	H500A	H630B	H1100
X-Axis Travel (mm)	800	1050	2500
Y-Axis Travel (mm)	500	1000	1200
Z-Axis Travel (mm)	500	1000	1300
Max Table Load (kg)	500	1200	2500

Spindle Configuration

- Standard rotation speed: 6000 rpm
- Temperature-controlled spindle and spindle box
- Two-stage gear reduction system for constant power
- Available in direct drive, belt, and gear configurations

Features

Key Machine Features

High-rigidity structure, Thermal compensation design, Linear rolling guides, Hirth coupling indexing, Automated tool change

Automation

Flexible Manufacturing Integration

The system supports integration into flexible manufacturing systems (FMS). This allows for automated workpiece loading, transportation, and storage using material handling systems. This configuration enables unmanned operation and highly efficient production process management.