

# Gantry Type CNC Machining Center

This gantry type CNC machining center is designed for high-precision milling and machining. It features a rigid structure that enhances stability and accuracy, making it ideal for machining large workpieces with complex geometries.



## ADDITIONAL IMAGES



## Overview

### Gantry Type CNC Machining Center

This high-rigidity gantry machining center is engineered for demanding milling, boring, drilling, and tapping operations. Featuring a robust box-structure design and high-grade castings, it ensures exceptional stability and shock absorption for large-scale workpieces. The machine's versatile configuration allows for manual head changes, enabling complex multi-process machining in a single clamping setup.

## Performance Metrics

### Axis Configuration

Axis	Drive/Guide Type
X-Axis	AC Servo Motor / Heavy Duty Linear Roller Guide
Y-Axis	AC Servo Motor / Linear-Box Combination
Z-Axis	AC Servo Motor / Rectangular Hard Rail

### Processing Functions

Milling, Boring, Drilling, Tapping

## Technical Specifications

### Construction Materials

- High-grade castings
- Aging-treated bed and column
- Box structure design

### X-Axis Stability

Double-layer reinforcing rib and hollow anti-vibration structure

### Z-Axis Precision

Six-sided ground rectangular hard rail, hand-scraped for accuracy

### Lead Screws

High precision ball screws with optimized pretension force

## Features

### Spindle Capabilities

Automatic Positioning • Rotation Detecting System • Tapping Function

### Included Systems

Pneumatic System, Lubrication System, Cooling System, CNC Control, Tool Magazine