

Gantry Type CNC Machining Center

The gantry type CNC machining center is designed for machining large and complex parts. It features a robust gantry structure for enhanced stability and accuracy during machining operations.



ADDITIONAL IMAGES



Overview

High-Performance Gantry Machining Center

The GMC1530 Gantry Machining Center is a robust, high-precision solution designed for heavy-duty industrial applications. Featuring a fixed beam and column gantry structure, it provides exceptional rigidity and shock absorption for consistent accuracy across large-scale workpieces. This versatile machine supports a wide range of functions, including milling, boring, drilling, and tapping, making it an ideal choice for demanding sectors like automotive, marine, and mold making.

Technical Capabilities

Processing Functions

- Milling
- Boring
- Drilling
- Expanding
- Reaming
- Tapping
- Countersinking

Suitable Industries

Automotive, Marine, Printing, Packaging, Textile, Military, Mold Making

Structural Design

Stress Relief Process

- Aging treatment
- Tempering
- Secondary aging treatment

Machine Structure

Fixed beam and fixed column gantry frame

Material Composition

High-grade Mi Hanna cast iron (3D finite element optimized)

Axis Configuration

Axis Drive Technology

Axis	Guideway Type
X-Axis	Heavy-duty roller-type linear guides
Y-Axis	Heavy-duty roller linear guideways
Z-Axis	Six-sided hard rail (trapezoidal ram)

Operational Features

Spindle Configuration

Belt Spindle (Standard) • Optional ZF 2K250 Gearbox

Safety & Protection

- Full machine enclosure
- Stainless steel telescopic bed cover
- Organ-type beam cover
- Labyrinth dustproofing
- Tricoloured status light

Maintenance Systems

- Centralized automatic lubrication
- Auto cooling device
- Coolant recovery and recycle
- Pneumatic tool cleaning