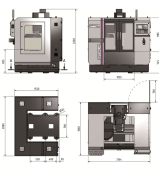


CNC Machine Center

This CNC machine center features imported moving parts for stability and precision. It is equipped with a high-speed servo spindle and a carousel-type tool changer.

Specification



OPTIMUM TOPTECH	
Model	F105
Machine Type	Vertical Machining Center
Spindle Speed	10000 rpm
Max Feed Rate	15 m/min
Tool Capacity	12
Max Table Load	300 kg
Machine Dimensions (mm)	1000 (W) x 1000 (D) x 1500 (H)
Weight (kg)	1500
Power (kW)	10
Electrical Connection	400 V / 50 Hz / 3 PH
Coolant Pump Power	370 W
Spindle Motor Power	5.5 kW
Machine Accuracy (mm)	±0.01
Machine Rigidity	High
Machine Bed Material	Cast Iron
Machine Bed Finish	Superfinish
Machine Bed Hardness	HRC 58
Machine Bed Thickness	100 mm
Machine Bed Width	1000 mm
Machine Bed Depth	1000 mm
Machine Bed Height	1500 mm
Machine Bed Weight	1500 kg
Machine Bed Material	Cast Iron
Machine Bed Finish	Superfinish
Machine Bed Hardness	HRC 58
Machine Bed Thickness	100 mm
Machine Bed Width	1000 mm
Machine Bed Depth	1000 mm
Machine Bed Height	1500 mm
Machine Bed Weight	1500 kg

ADDITIONAL IMAGES



Overview

High-Precision CNC Machining Center

This compact CNC machining center is engineered for precision metal cutting and small batch production. Featuring high-rigidity German technology and a 10,000rpm servo spindle, it delivers exceptional stability and high-speed performance. Designed to meet EU safety standards, it combines a robust machine bed with advanced linear guides to ensure long-term accuracy and efficiency in demanding industrial environments.

Performance Metrics

Key Performance Metrics

10000 rpm

Spindle Speed

15 m/min

Rapid Feed Rate

12 tools

Tool Capacity

300 kg

Max Table Load

Technical Specifications

Electrical & Power

Parameter	Value
Total Power	10 kW
Main Motor Power	5.5 kW
Electrical Connection	400 V / 50 Hz / 3 PH
Coolant Pump	370 W

Machining Capabilities

Axis Travel

Axis	Travel Distance
X-axis	550 mm
Y-axis	330 mm
Z-axis	460 mm

Spindle Taper

BT40

Tool Management

Automatic Tool Changer

- Carousel type tool changer
- 12 tool positions
- 6 second tool change time
- Max tool weight: 6 kg
- Max tool diameter: 104 mm (adjacent)

Precision & Accuracy

Accuracy Standards

Metric	Value
Positioning Accuracy	±0.01 mm
Repeat Positioning Accuracy	±0.008 mm

Physical Dimensions

Dimensions & Weight

- Overall dimensions: 2161 x 1856 x 2200 mm
- Net weight: 2800 kg
- Gross weight: 3200 kg
- Tank capacity: 200 L

Compliance & Safety

Standards & Safety

CE Certified, EU Safety Standards, German Technology, LED Lighting