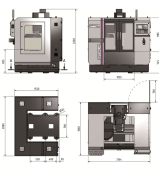


CNC Machine Center

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 Accuracy (µm)	±0.005
Machine Accuracy (mm)	±0.01
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Machine Accuracy (µm)	±0.005

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