



# Vertical Milling Machines MF 1 VP CNC



## SKU : 490013

The machines of the MF VP CNC-Series combines the proven versatility of the world's most popular turret milling machine design with enhanced rigidity, increased drive power, and modern CNC control technology. As the premium model of the MF series, it bridges the gap between conventional milling and CNC machining, making it an excellent choice for workshops, toolrooms, prototype manufacturing, maintenance departments, and technical training centers.

- A proven design with long travel ranges
- Siemens SINUMERIK 808D Advanced CNC control with intuitive programming and operation
- Pneumatic tool clamping system for reduced setup times and improved productivity
- Powerful spindle drive with infinitely variable speed control

## TECHNICAL SPECS

### WORKING AREA

Table set up area	1245 mm x 229 mm
Number of T-slots	3 positions
T-slots, spacing	63.5 mm
T-slots, width	15.2 mm

### TRAVELS

Travel X-axis	762 mm
Travel Y-axis	279 mm
Travel Z-axis	356 mm

### VERTICAL MILLING HEAD

Speed range, infinitely variable	60 1/min - 4200 1/min
Quill stroke	127 mm
Spindle mount	R8
Throat	178 mm - 483 mm

### FEED

Feed speed X-axis	25 mm/min - 889 mm/min
Quill feeds	(3) 0.041; 0.076; 0.127 mm/R
Console travel (Z-axis)	368 mm

### DRIVE CAPACITY

Motor rating main drive 2.24 kW

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.06 m x 1.63 m x 2.06 m
Weight	953 kg



## PRODUCT DETAILS

### DESIGN AND CONSTRUCTION

- The MF VP CNC is built on a rigid machine structure designed to provide excellent stability and machining accuracy.
- A large worktable provides ample space for workpieces and fixtures.
- Servo controlled X, Y and Z on the quill.

### MAIN SPINDLE AND DRIVES

- The powerful spindle drive offers continuously variable speed adjustment, allowing optimal cutting conditions for different materials and tooling requirements.

### FEED

- Preloaded ball screws in all axes guarantee precise, smooth and low-wear positioning without backlash and a long service life.

### EQUIPMENT

- The MF VP CNC is supplied with a comprehensive range of features designed to improve productivity and operator convenience.
- The electronic handwheel simplifies machine setup, positioning, and manual movements during part alignment and programming.
- Pneumatic tool clamping allows quick and reliable tool changes.
- The automatic centralized lubrication system ensures consistent lubrication of all guideways and moving components.

### CONTROL

- The MF VP CNC Series is equipped with the Siemens SINUMERIK 808D Advanced, a proven CNC control system specifically developed for milling applications.
- Its user-friendly operating concept follows the familiar SINUMERIK programming philosophy used throughout the Siemens control family, enabling operators to learn and work efficiently.
- The control supports both conversational and DIN/ISO programming, making it suitable for a wide range of manufacturing tasks.
- The SINUMERIK 808D Advanced is also particularly well suited for training and educational environments. Its structured programming interface helps operators understand CNC fundamentals quickly, while providing enough functionality to perform demanding milling operations in production environments.
- The result is a powerful yet accessible CNC solution that combines ease of use, reliable performance, and professional machining capabilities.

### STANDARD EQUIPMENT

3-Axis Siemens 808D CNC System  
Servo controlled X, Y and Z on the quill  
4th axis available for cost of hardware  
Pneumatic tool clamping  
Coolant system  
Central lubrication, recirculating  
Vertical guide way cover  
Removeable workspace enclosure  
LED work lamp  
Operating tools and operator manual