



Vertical Milling Machines (Mills) 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	49 in x 9 in
Number of T-slots	3 positions
T-slots, spacing	2.5 in
T-slots, width	0.6 in

TRAVELS

Travel X-axis	30 in
Travel Y-axis	11 in
Travel Z-axis	14 in

VERTICAL MILLING HEAD

Speed range, infinitely variable	60 rpm - 4200 rpm
Quill stroke	5 in
Spindle mount	R8
Throat	7 in - 19 in

FEED

Feed speed X-axis	0.9843 in/min - 34.9999 in/min
Quill feeds	(3) 0,0016; 0,003; 0,005 in/rev “/rev
Console travel (Z-axis)	14 in

DRIVE CAPACITY

Motor rating main drive 3 Hp

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	82 in x 65 in x 82 in
Weight	2097 lbs



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