

# Conventional Vertical Milling Machines

## MF 1 VP (R8)



### SKU : 490006

The multi-purpose milling machine series MF1 impresses with its design and is indispensable in many repair workshops as well as training and production departments. The X-axis is steplessly adjustable with a feed device and the swiveling vertical milling head with a wide steplessly adjustable speed range processes steel up to non-ferrous metals. The standard accessories include an automatic quill feed and pneumatic tool clamping as well as a mounted position indicator.

- Swiveling, tiltable cutter head with quill feed
- Pneumatic tool tightening system
- Infinitely variable spindle speed
- Feed on X-axis with rapid feed
- Extensive standard equipment

## TECHNICAL SPECS

### WORKING AREA

Table set up area	49 in x 9 in
Number of T-slots	3 positions
T-slot (width x spacing)	0.63 in x 2.5 in

### TRAVELS

Travel X-axis	29.9 in
Travel Y-axis	11 in
Travel Z-axis	15 in

### VERTICAL MILLING HEAD

Spindle speeds	60 rpm - 4200 rpm
Quill stroke	5 in
Spindle mount	R8
Throat	7 in - 19 in

### FEED

Feed speed X-axis	0.748 in/min - 35.0393 in/min
Quill feeds	0,0016 0,0031 0,006 "/rev
Console travel (Z-axis)	14,57 in

### DRIVE CAPACITY

Motor rating main drive	3 Hp
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### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	81 in x 65 in x 82 in
Weight	2090 lbs



## PRODUCT DETAILS

- The most widely used milling machine type in the world - with standard pneumatic tool clamping
- Infinitely variable spindle speed via hand wheel adjustment
- Larger table with larger travel on X-axis
- TV 1000 automatic table advance on X-axis is included, retrofitting of Y-axis available
- Head swivels on 3 axes: swivel r + l  $\pm 90^\circ$ ; tilt forward + reverse  $\pm 45^\circ$ ; rotation on the column  $\pm 45^\circ$
- Dovetail guides, hardened, adjustable
- 3 automatic drill feeds
- Manual coarse feed for quill, with change-over for manual fine feed
- Quill with automatic micrometer depth stop
- Spindle mount R8
- Reversing switch for forward reverse rotation
- Central lubrication for spindle, nut and guides
- Manual spindle brakes
- Pneumatic tool clamping
- 3-axis position indicator, coolant system, and LED work lamp (included in standard equipment)

### 3-axis position indicator

- More accuracy
- Lower error rate
- Increased productivity
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Resolution: 0.0004 / 0.0002"
- Default coordinates
- Axis position is maintained when display is turned off
- Hole circle pattern calculation
- Calculator function
- Storage for 10 tools
- Radius / diameter toggle
- Mm/inch conversion
- Easy expansion and maintenance-free operation

## STANDARD EQUIPMENT

- 3-axis position indicator X.Pos 3.2
- Automatic table feed in X direction (TV 1000)
- Pneumatic tool clamping
- Coolant system
- Central lubrication
- Vertical guideway cover
- R8 spindle taper
- LED work lamp
- Operating tools
- Operator manual