

# Conventional Vertical Milling Machines

## MF 5 VP

### SKU : 301217

The versatile multi-purpose milling machine combines all the advantages of the world's best-selling milling machine with additional stability. The top model of the MF series has an SK 40 tool holder and a 30 percent higher unladen weight. The X and Y axis are equipped with infinitely variable feed devices. The swiveling vertical milling head offers a wide speed range for machining steel and non-ferrous metals. The equipment also includes a four-stage, automatic quill feed, pneumatic tool clamping and a large clamping table for workpieces and clamping devices.

- Swiveling cutter head with quill feed
- Pneumatic tool tightening system
- Infinitely variable spindle speed
- Feed on X-axis with rapid feed
- Heavy construction with wide guideways



## TECHNICAL SPECS

### WORKING AREA

|                            |                  |
|----------------------------|------------------|
| Table set up area          | 1370 mm x 250 mm |
| Table load capacity (max.) | 350 kg           |

### TRAVELS

|               |        |
|---------------|--------|
| Travel X-axis | 800 mm |
| Travel Y-axis | 390 mm |
| Travel Z-axis | 380 mm |

### VERTICAL MILLING HEAD

|                          |                       |
|--------------------------|-----------------------|
| Spindle speed (vertical) | 70 1/min - 3600 1/min |
| Spindle mount            | SK 40 DIN 2080        |
| Quill stroke             | 127 mm                |

### FEED

|             |                           |
|-------------|---------------------------|
| Quill feeds | (3) 0,04; 0,08; 0,15 mm/R |
|-------------|---------------------------|

### DRIVE CAPACITY

|                         |         |
|-------------------------|---------|
| Motor rating main drive | 3,75 kW |
|-------------------------|---------|

### MEASURES AND WEIGHTS

|   |                          |
|---|--------------------------|
| Overall dimensions<br>(length x width x height) | 2.54 m x 2.16 m x 2.24 m |
| Weight  | 1590 kg                  |



*Variable throat widths and machining angles*



*Wide, rigid box ways on Z and Y-axes*



*With an infinitely variable speed the machine can be used for a wider spectrum of materials and machining processes*



*X and Y axis feature automatic and rapid feed modes*



*The intuitive control panel can be positioned as needed via a cantilever support arm*

## PRODUCT DETAILS

- More rigid and more powerful with 3.75 kW motor
- ISO 40 spindle
- 3 automatic drill feeds
- Manual coarse feed for quill, with change-over for manual fine feed
- Quill with micrometer depth stop
- Reversing switch for forward reverse rotation
- Spindle brakes
- Infinitely variable speeds
- Head swivels  $\pm 90^\circ$  to the right and to the left
- TV 1000 table feed in X and Y, infinitely variable with rapid feed
- Coolant system
- Chip tray
- Central lubrication
- Pneumatic tool clamping

### 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: 0.01/ 0.005 mm
- 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  
 Table feed TV 1000 on X- and Y-axis  
 Pneumatic tool clamping  
 Chip tray  
 Coolant system  
 Central lubrication  
 Horizontal guideway cover  
 Operating tools  
 Operator manual