



MF 1 VP is shown

**Extensive standard equipment**

**MF 1 VP**

- The most widely used milling machine type in the world - with standard pneumatic tool clamping
- infinitely variable 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 through 3 axes:  
swivel  $r + l \pm 90^\circ$ ;  
tilt forward + reverse  $\pm 45^\circ$ ;  
rotation on the column  $\pm 45^\circ$
- 3 automatic drill feeds
- manual coarse feed for quill, with change-over for manual fine feed
- quill with automatic micrometer depth stop
- spindle mount ISO 30
- central lubrication for spindle, nut and guides
- pneumatic tool clamping

**Standard Equipment**

3-axis position indicator, TV 1000 automatic table advance (on MF 1 VP), pneumatic tool clamping, coolant system, manual central lubrication, vertical guideway cover, work lamp, operating tools, operator manual

**Options**

	Part No.
• Accessory-Set ISO 30 4-pc.	104595
• Machine vise with pull-down system NZM 125	104918
• HS 125 Hydraulic Machine Vise	125024

For additional options for this machine, visit our website and search for MF 1 (Product Search)



**MF 1 P**

- Speed is changed by shifting the 2-step drive motor transmission, or by selecting the desired gear ratio at the drive belt (4 speed steps per gear ratio)
- Automatic table feed, type TV 1000 in X and Y, can easily be retrofitted

**Specifications**

		MF 1 P	MF 1 VP
<b>Working area</b>			
X axis travel	mm	670	760
Y axis travel	mm	290	290
Z axis travel	mm	370	370
Table set up area	mm	1.060x230	1.245x230
T-slots (number/width/spacing)	mm	3x16x63,5	3x16x63,5
<b>Vertical milling head</b>			
Spindle speeds	rpm	(16) 80 - 4.500	(2) 70 - 3.600
Spindle mount / Quill stroke	mm	127 / ISO 30	ISO 30 / 127
Throat	mm	171 - 476	171 - 476
Feed speed X-axis	mm/min	-	19-890
<b>Feed</b>			
Quill feeds	mm/R	(3) 0,04; 0,08; 0,15	(3) 0,04; 0,08; 0,13
Console travel (Z-axis)	mm	-	370
<b>Drive capacity</b>			
Motor rating main drive	kW	2,2	2,25
<b>Measures and weights</b>			
Overall dimensions (length x width x height)	m	2x1,6x2,09	2,05x1,63x2,07
Weight	kg	1.100	950
Part No.		301219	301215