


## VHF 3

Solid universal milling machine for drilling and milling work requiring long travel distances

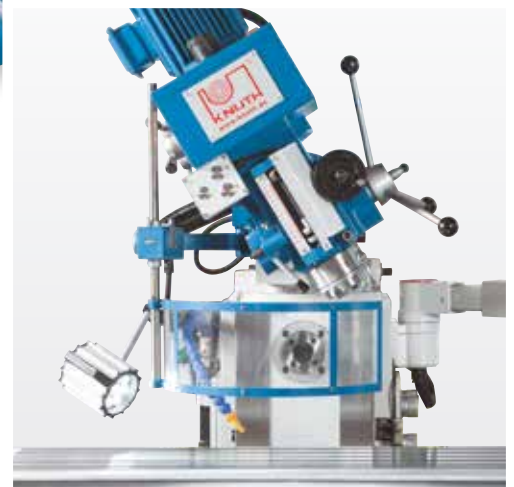


See this Machine  
in action on  
YouTube 



### Extensive standard equipment

- all 3 axes with automatic feed and rapid feeds
- vertical head swivels  $\pm 45^\circ$
- spindle speeds for horizontal and vertical spindle controlled by separate switch gears with oil-bath lubrication
- capstan-controlled quill feed for drilling, manual micro-feed for milling
- for horizontal spindle operations, the top beam including head can be completely rotated on the stand



Cutter head swivels  $\pm 45^\circ$



Horizontal milling spindle with outer arbor support for long milling arbors



Automatic 3-step quill feed

## Specifications

## VHF 3

Working area	
Table set up area	mm 1.320x320
Number of T-slots	Pieces 5
T-slot (width x spacing)	mm 14x63
Table load capacity	kg 300
Travels	
Travel X-axis	mm 750
Travel Y-axis	mm 245
Travel Z-axis	mm 430
Vertical milling head	
Spindle mount	ISO 40
Spindle speeds	1/min (8) 90 - 2.000
Quill stroke	mm 120
Throat	mm 200 - 540
Spindle nose-to-table surface distance	mm 140 - 540
Head swivel range	± 45°
Rapid feed	
Rapid feed X-axis	mm/min 1.024
Rapid feed Y-axis	mm/min 1.024
Rapid feed Z-axis	mm/min 670
Horizontal milling head	
Spindle mount	ISO 40
Spindle speeds	1/min (12) 40 - 1.300
Horizontal spindle-to-table surface distance	mm 50 - 450
Feed	
Feed speed X / Y axis	mm/min (8) 20 - 360
Quill feeds	mm/R (3) 0,08; 0,15; 0,25
Drive capacity	
Motor rating horizontal spindle	kW 2,2
Motor rating vertical spindle	kW 2,2
Motor rating feed	kW 0,55
Motor rating coolant pump	kW 0,09
Measures and weights	
Overall dimensions (length x width x height)	m 1,71x1,72x2,33
Weight	kg 1.800
Part No.	301410

- 3 automatic quill feeds
- adjustable ground dovetail guideways on the X-axis and wide square guideways on Y and Z-axis
- clamping device in all 3 axes
- adjustable stops for drilling depth and table adjustment

## Standard Equipment

3-axis position indicator, drill chuck 16 mm, cutter arbor Ø 27 mm, cutter arbor Ø 40 mm, collet chuck ISO 40 with collets Ø 4,5,6,8,10,12,14,16 mm, reducing sleeve ISO 40 / MT3 and ISO 40 / MT2, coolant system, chip tray, work lamp, operating tools, operator instructions

## Options

## Part No.

• E-VHF3 spare part package for 5 years for art. no. 301410	259178
• Adapter SK 40 / MT 3	103730
• Milling Chuck Set ISO 40	106044
• Coolant Concentrate 5 Ltr.	103184
• Machine vise with pull-down system NZM 125	104918
• Assembly Stand	108930
• Clamping Tool Set Deluxe 14/M12	105295
• Step of Step Blocks	105340
• Roughing End Mill Cutter 63	108402

For additional options for this machine, visit our website.