



SKU : 862651

NEW MACHINE WITH SLIGHT OPTICAL DEFECTS

VHF series machines feature large travels, a vertical and horizontal spindle with separate drives for powerful machining. The vertical head swivels out ($\pm 45^\circ$) and the quill is movable. All models of this series are ideally suited for applications in repair shops or training shops.

- Tilting vertical milling head
- Automatic feed in X and Y axes
- Horizontal spindle with counter holder
- Extensive package of standard accessories

TECHNICAL SPECS

WORKING AREA

Drilling capacity in steel	30 mm
Max. end mill diameter	25 mm
Tapping capacity, steel	M 16
Max. end face mill diameter	100 mm
Table set up area	1270 mm x 280 mm
Table load capacity (max.)	150 kg

TRAVELS

Travel X-axis	700 mm
Travel Y-axis	210 mm
Travel Z-axis	310 mm

VERTICAL MILLING HEAD

Spindle speed (vertical)	115 1/min - 1750 1/min
Spindle mount	SK 40 DIN 2080
Quill stroke	120 mm
Throat	200 mm - 650 mm
Spindle nose-to-table surface distance	50 mm - 375 mm
Milling head swivel range	45 deg

RAPID FEED

Rapid feed Z-axis	380 mm/min
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HORIZONTAL MILLING SPINDLE

Spindle speed (horizontal)	40 1/min - 1300 1/min
Spindle mount	ISO 40
Horizontal spindle-to-table surface distance	0 mm - 310 mm

FEED

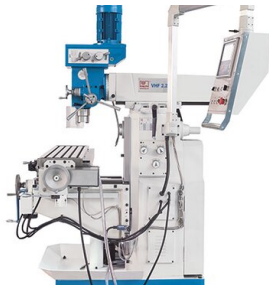
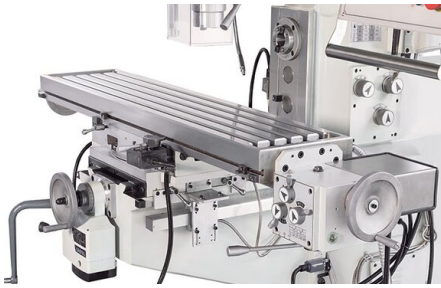
Feed speed X-axis	16 mm/min - 380 mm/min
Feed speed Y-axis	0 mm/min - 700 mm/min

DRIVE CAPACITY

Motor rating horizontal spindle	2.2 kW
Motor rating vertical spindle	0.85 kW - 1.5 kW

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.7 m x 1.45 m x 2.45 m
Weight	1400 kg



PRODUCT DETAILS

- This excellent price/performance ratio is made possible by high volume production with standardized VHF assemblies
- Extremely rigid machine bed made of high-strength cast-iron with heavy ribbing
- Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance
- The milling table features a large setup area
- Vertical and horizontal spindles each have a separate drive with gearbox for maximum machining power
- The vertical head swivels to both sides ($\pm 45^\circ$), quill feed through capstan or with fine feed hand wheel
- When working with the horizontal spindle, the complete top beam/head assembly can be rotated $\pm 180^\circ$ on the column
- Standard outer arbor support with bronze plain bearings accommodates long milling arbors in the horizontal spindle
- Feed system with manual gearbox on X-axis and infinitely variable feed unit on the Y-axis
- Height adjustment of the work table via automatic feed - precision feed via smooth hand crank
- Swiveling control panel with integrated position indicator for maximum operator comfort
- Coolant system and chip tray are included

STANDARD EQUIPMENT

- 3-axis position indicator X.Pos 3.2
- Coolant system
- Work lamp
- Operating tools
- Operator instructions
- M16 draw bar
- Outer arbor support for horizontal milling
- Chip tray
- Cutter arbor $\varnothing 27$ mm



KNUTH on YouTube

Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**