



Conventional Vertical Milling Machines

VHF 3.2



PRODUCT.BROCHURE.SKU: 301411

The versatile universal milling machine complements the proven top model of the VHF series. The combination of horizontal spindle, swiveling vertical milling head and large clamping table, with an increased speed range and the infinitely variable servo feed, extend the wide range of applications of the VHF series. Together with the extensive equipment, this model is also ideally suited for milling in repair workshops as well as training and production departments.

- Swiveling cutter head with automated quill feed
- Horizontal spindle with its own drive
- Swiveling milling table
- Servo-motor for infinitely variable feed on all axes
- Extensive standard equipment

PRODUCT.BROCHURE.technical_specs

ATTRIBUTES.MEG-000008.DESCRPTION

attributes.MEG-000008.MER-000271	1370 mm x 320 mm
attributes.MEG-000008.MER-000272	300 kg
attributes.MEG-000008.MER-002723	45 deg
attributes.MEG-000008.MER-000020	3 positions
attributes.MEG-000008.MER-002446	14 mm x 80 mm

ATTRIBUTES.MEG-000059.DESCRPTION

attributes.MEG-000059.MER-000287	1000 mm
attributes.MEG-000059.MER-000288	360 mm
attributes.MEG-000059.MER-000289	400 mm

ATTRIBUTES.MEG-000012.DESCRPTION

attributes.MEG-000012.MER-002513	SK 40 DIN 2080
attributes.MEG-000012.MER-000451	178 mm - 868 mm
attributes.MEG-000012.MER-000012	160 mm - 560 mm
attributes.MEG-000012.MER-000235	90 deg
attributes.MEG-000012.MER-002381	45 deg
attributes.MEG-000012.MER-002583	70 1/min - 450 1/min
attributes.MEG-000012.MER-002584	450 1/min - 3600 1/min

ATTRIBUTES.MEG-000060.DESCRPTION

attributes.MEG-000060.MER-001548	1335 mm/min
attributes.MEG-000060.MER-000085	1000 mm/min

ATTRIBUTES.MEG-000074.DESCRPTION

attributes.MEG-000074.MER-001513	35 1/min - 1500 1/min
attributes.MEG-000074.MER-001522	SK 40 DIN 2080
attributes.MEG-000074.MER-001514	75 mm - 475 mm

ATTRIBUTES.MEG-000006.DESCRPTION

attributes.MEG-000006.MER-000298	30 mm/min - 830 mm/mi
attributes.MEG-000006.MER-000300	30 mm/min - 830 mm/mi
attributes.MEG-000006.MER-000302	23 mm/min - 625 mm/mi

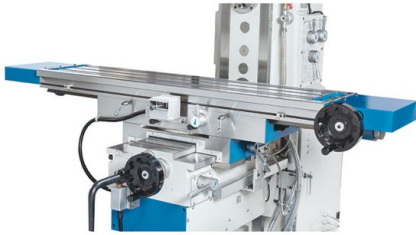
ATTRIBUTES.MEG-000002.DESCRPTION

attributes.MEG-000002.MER-002382	3.7 kW
attributes.MEG-000002.MER-002383	3 kW

ATTRIBUTES.MEG-000004.DESCRPTION

attributes.MEG-000004.MER-000002-height	1.9 m x 1.75 m x 2.35 m
attributes.MEG-000004.MER-000108	1950 kg

PRODUCT.BROCHURE.PRODUCT_DETAILS



Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance



- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Quiet, precision-made headstock gears with hardened and ground gears
- The milling table features a large setup area and can be rotated in linear direction
- The cutter head quill features a 3-step automatic feed and automatic depth shut-off, but can also be moved manually
- For angular bores, the vertical cutter head swivels in two directions: r + l $\pm 90^\circ$; tilt fwd + rev $\pm 45^\circ$
- Spindle speed of vertical cutter head is infinitely variable over a wide speed range; an auxiliary gearbox ensures powerful torque
- Vertical and horizontal spindle each have their separate drive
- Standard outer arbor support with bronze plain bearings accommodates long milling arbors in the horizontal spindle
- Powerful servo-motor allows infinite variation of feeds on all 3 axes
- Minimum downtime due to rapid positioning of work table and rapid feeds in all axes
- Control panel swivels for comfortable operation
- Coolant system and chip tray are included

PRODUCT.BROCHURE.STANDARD_EQUIPMENT

Chip tray
Coolant system
Central lubrication
3-axis position indicator X.Pos 3.2
Operator instructions
M16 draw bar
Operating tools
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!**