



Conventional Vertical Milling Machines

UWF 3.2



SKU : 362695

The versatile universal milling machine complements the tried and tested UWF 3. Both models have the large work area, the universal milling head and the horizontal spindle in common. The new UWF 3.2, however has a slightly higher speed range and an infinitely variable servomotor feed, which extends its range of application. Together with the extensive equipment, this model is also ideally suited for repair workshops as well as training and production departments.

- Universal cutter head swivels on 2 levels
- Outer arbor support for horizontal milling
- Swiveling milling table
- Servo-feed on all axes with rapid feed
- Extensive standard equipment

TECHNICAL SPECS

WORKING AREA

Table set up area	1370 mm x 320 mm
Table load capacity (max.)	260 kg
Table swivel range r/l	45 deg
Number of T-slots	3 positions
T-slot (width x spacing)	14 mm x 80 mm

TRAVELS

Travel X-axis	1000 mm
Travel Y-axis	360 mm
Travel Z-axis	400 mm

VERTICAL MILLING HEAD

Spindle speed (vertical)	45 1/min - 1660 1/min
Spindle mount	SK 40 DIN 2080
Throat	300 mm - 765 mm
Vertical spindle-to-table surface distance	260 mm - 660 mm
Milling head swivel range	360 deg

RAPID FEED

Rapid feed X-/ Y-axis	1335 mm/min
Rapid feed Z-axis	1000 mm/min

HORIZONTAL MILLING SPINDLE

Spindle speed (horizontal)	35 1/min - 1500 1/min
Spindle mount	SK 40 DIN 2080
Horizontal spindle-to-table surface distance	75 mm - 475 mm

FEED

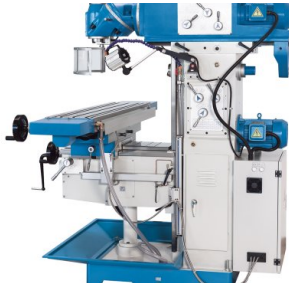
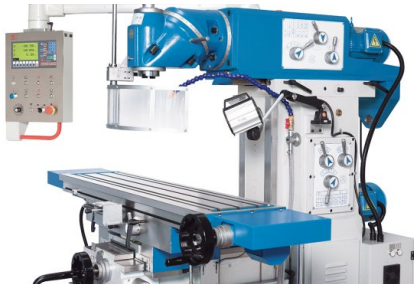
Feed speed X-axis	30 mm/min - 830 mm/min
Feed speed Y-axis	30 mm/min - 830 mm/min
Feed speed Z-axis	23 mm/min - 625 mm/min

DRIVE CAPACITY

Motor rating horiz./ vert.	3 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.9 m x 1.75 m x 2 m
Weight	1950 kg



PRODUCT DETAILS

- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Large rectangular guideways ensure precision and quiet operation within permissible high loads
- Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance
- The milling table features a large setup area and can be rotated in linear direction
- Quiet, precision-made headstock gears with hardened and ground gears
- Universal cutter head swivels on 2 planes - quick change-over from horizontal to vertical machining
- By combining both swivel levels, almost any spatial angle can be set
- Standard outer arbor support with bronze plain bearings accommodates long milling arbors in the horizontal spindle
- Powerful servo-motor for infinite variation of feeds in 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

STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2
Collet chuck with collets (4,5,6,8,10,12,14,16 mm diam.)
Horizontal arbor Ø 27 mm
Outer arbor support for horizontal milling
Chip tray
Coolant system
Central lubrication
M16 draw bar
LED work lamp
Operating tools
Operator instructions



KNUTH on YouTube Information to the point

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