



SKU : 362751

This universal milling machine is the biggest model from UWF series and stands out with its rigid construction, large working area, and extended travels on all axes. Designed as a versatile solution, it can easily handle large workpieces and is packed with features like universal milling head, swiveling table, horizontal axis which greatly increases its range of application.

- Universal cutter head swivels on 2 levels
- Horizontal milling spindle with its own drive
- Swiveling milling table
- Servo-feed on all axes with rapid feed
- Extensive standard equipment

TECHNICAL SPECS

WORKING AREA

Table dimensions	1600 mm x 360 mm
Table load capacity (max.)	500 kg
Number of T-slots	3 positions
T-slot (width x spacing)	18 mm x 80 mm

TRAVELS

Travel X-axis	1300 mm
Travel Y-axis	300 mm
Travel Z-axis	400 mm

MILLING HEAD

Speed range	60 1/min - 1750 1/min
Spindle mount	SK 50 DIN 2080
Swivel angle	360°
Upper beam travel	550 mm
Spindle center-to-table distance	190 mm - 590 mm

RAPID FEED

Rapid feed X-axis	1200 mm/min
Rapid feed Y-axis	800 mm/min
Rapid feed Z-axis	600 mm/min

HORIZONTAL MILLING SPINDLE

Spindle speed (horizontal)	60 1/min - 1800 1/min
Spindle mount	SK 50 DIN 2080
Horizontal spindle-to-table surface distance	20 mm - 420 mm
Spindle axis-to-top beam distance	200 mm

FEED

Feed speed X-axis	30 mm/min - 750 mm/min
Feed speed Y-axis	20 mm/min - 500 mm/min
Feed speed Z-axis	15 mm/min - 375 mm/min

DRIVE CAPACITY

Motor rating horizontal spindle	5.5 kW
Motor rating vertical spindle	4 kW

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.52 m x 2.1 m x 2 m
Weight	2950 kg



PRODUCT DETAILS

- Extremely rigid machine bed made of high-strength HT-200 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, long X-axis travel, and it can be horizontally swiveled up to 45°
- Quiet, precision-made headstock gears with hardened and ground gears
- The universal cutter head swivels on 2 planes, allowing virtually any spatial angle setting
- Vertical and horizontal spindles each have a separate drive with gearbox for maximum machining power
- Standard outer arbor support with bronze plain bearings accommodates long milling arbors in the horizontal spindle
- Powerful axis servo-motors allow infinite adjustment of feeds on all 3 axes
- Minimum downtime due to rapid positioning of work table and rapid feeds in all axes
- Swiveling control panel with integrated position indicator for maximum operator comfort
- Coolant system and chip tray are included

3-axis position indicator

- More accuracy
- Lower error rate
- Increased productivity
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Resolution: 0.01/ 0.005 mm
- Default coordinates
- Axis position is maintained when display is turned off
- Hole circle pattern calculation
- Calculator function
- Storage for 10 tools
- Radius / diameter toggle
- Mm/inch conversion
- Easy expansion and maintenance-free operation

STANDARD EQUIPMENT

- 3-axis position indicator X.Pos 3.2
- Reducing sleeve ISO 50 / MT4
- Milling arbor Ø 32 mm
- Horizontal arbor Ø 27 mm
- Outer arbor support for horizontal milling
- Chip tray
- Coolant system
- Work lamp
- Manual central lubrication
- Draw bar
- Operating tools
- Operator instructions
- Horizontal arbor Ø 32 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!**