



SKU : 362694

This versatile milling machine offers a large work area with a long traverse path on the X-axis. Together with the extensive features, it is ideal for repair workshops as well as training and production departments. The infinitely variable servomotor feed, together with a vertical milling head that can be swiveled on two planes, extends the wide range of applications for the entire UHF series. Wide, stable flat guides on the Z- and Y-axes can also absorb high cutting forces without any problem.

- Universal cutter head swivels on 2 levels
- Outer arbor support for cutter head during 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 300 mm
Table load capacity (max.)	300 kg
Number of T-slots	3 positions
T-slot (width x spacing)	14 mm x 80 mm
Milling table swivel range	45 deg

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	150 mm - 550 mm
Vertical spindle-to-table surface distance	100 mm - 500 mm
Milling head swivel range	360 deg

RAPID FEED

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

FEED

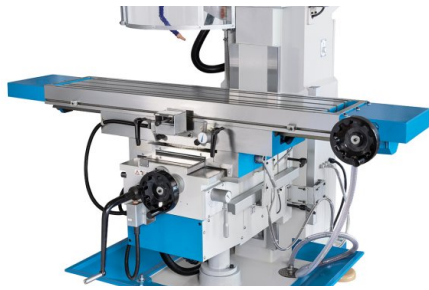
Feed speed X-axis	30 mm/min - 830 mm/min
Feed speed Y-axis	30 mm/min - 830 mm/min
Feed speed Z-axis	23 mm/min - 625 mm/min

DRIVE CAPACITY

Motor rating main drive	3 kW
-------------------------	------

MEASURES AND WEIGHTS

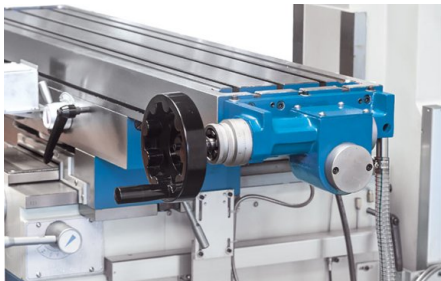
Overall dimensions (length x width x height)	1.83 m x 1.76 m x 1.7 m
Weight	1750 kg



Easy handling: feeds are controlled directly at the milling console



Large throat and long travels



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
- 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
- Outer arbor support for horizontal milling, mounts to cutter head
- The milling table features a large setup area and can be rotated in linear direction
- Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance
- Quiet, precision-made headstock gears with hardened and ground gears
- 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

Chip tray
 Coolant system
 Central lubrication
 3-axis position indicator X.Pos 3.2
 Operator instructions
 M16 draw bar
 Operating tools
 Outer arbor support for horizontal milling



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!**