

### SKU : 362750

This universal milling machine is one of the top models of the UWF series, which is characterized by a large work area, universal milling head and horizontal spindle. The feed in all axes is provided by an electrically switchable servomotor with stepped control. Your milling head can be swiveled on two planes and the horizontal spindle has its own drive with a finely graduated gear shift. With its extensive equipment, this model is perfect for repair shops as well as training and production departments

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

## TECHNICAL SPECS

### WORKING AREA

Table dimensions	1325 mm x 360 mm
Table load capacity (max.)	500 kg
Table swivel range r/l	45 deg
Number of T-slots	3 positions
T-slot (width x spacing)	18 mm x 80 mm

### TRAVELS

Travel X-axis	750 mm
Travel Y-axis	280 mm
Travel Z-axis	390 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	175 mm - 565 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
Throat	380 mm - 930 mm

### FEED

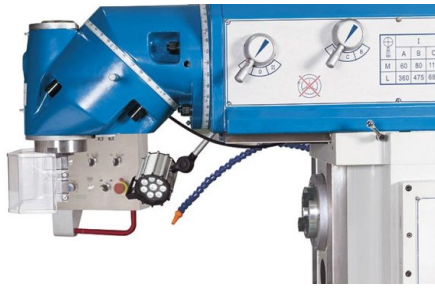
Feed speed X-axis	30 mm/min - 750 mm/min
Feed speed Y-axis	20 mm/min - 500 mm/min
Feed speed Z-axis	15 mm/min - 375 mm/min

### DRIVE CAPACITY

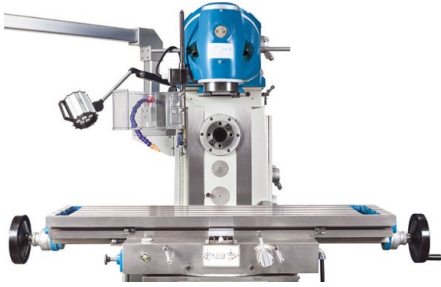
Motor rating horizontal spindle	5.5 kW
Motor rating vertical spindle	4 kW
Motor rating X axis feed	1.5 kW
Motor rating Y axis feed	1.5 kW
Motor rating Z axis feed	1.5 kW
Motor rating coolant pump	0.09 kW

### MEASURES AND WEIGHTS

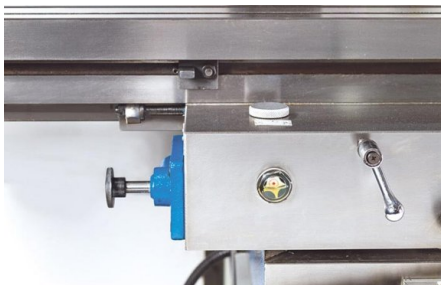
Overall dimensions (length x width x height)	1.8 m x 2.1 m x 2 m
Weight	2850 kg



Universal cutter head, swivels on 2 levels



Powerful horizontal spindle with its own drive



Integrated manual central lubrication



## 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
- Large work area of 1325 x 360 mm and up to 500 kg table load capacity
- 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
- Powerful servo axis motor enables finely stepped motorised feed in all axes
- The milling table can be swivelled horizontally along the longitudinal axis.
- Telescoping covers on the Y axis protect the feed spindle
- Control panel swings out to either side and features an integrated position indicator
- 5.5 kW main drive guarantees high torque
- 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 arbors (27, 32 mm)
- Outer arbor support for horizontal milling
- Collet chuck ISO 50 incl. collets 3-25mm (8 pieces)
- Coolant system
- Work lamp
- Chip tray
- Draw bar
- Operating tools
- Operator instructions



## 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!**