

# Conventional Vertical Milling Machines

## UWF 6



### 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

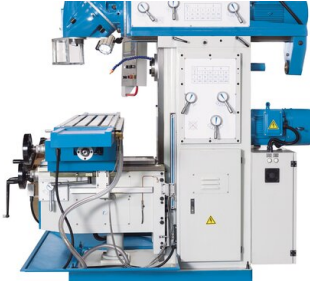
Motor rating horizontal spindle	5.5 kW
Motor rating vertical spindle	4 kW

### MEASURES AND WEIGHTS

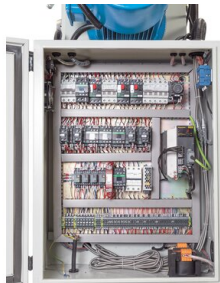
Overall dimensions (length x width x height)	2.52 m x 2.1 m x 2 m
Weight	2950 kg



*Horizontal spindle with its own drive and finely stepped gearbox*



*Large work area, cutter head swivels on 2 levels*



*Premium electric components plus clean and structured wiring minimize disruptions*



*Manual central lubrication reduces maintenance and extends the machine life*



## 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