



### 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

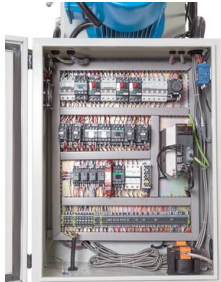
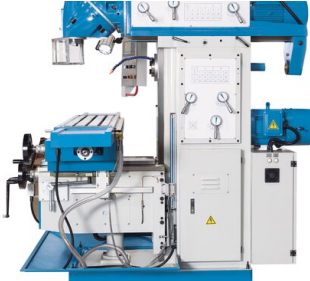
|                   |                        |
|-------------------|------------------------|
| Feed speed X-axis | 30 mm/min - 750 mm/min |
| Feed speed Y-axis | 20 mm/min - 500 mm/min |
| Feed speed Z-axis | 15 mm/min - 375 mm/min |

### 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!**