

# Conventional Vertical Milling Machines **UWF 3.2**



### SKU: 362695

The versatile universal milling machine complements the tried and tested UWF 3. Both models have the large work area, the universal milling head and the horizontal spindle in common. The new UWF 3.2. however has a slightly higher speed range and an infinitely variable servomotor feed, which extends its range of application. Together with the extensive equipment, this model is also ideally suited for repair workshops as well as training and production departments.

- Universal cutter head swivels on 2
- Outer arbor support for horizontal
- Swiveling milling table Servo-feed on all axes with rapid
- Extensive standard equipment

## **TECHNICAL SPECS**

# **WORKING AREA**

Table set up area	1370 mm x 320 mm
Table load capacity (max.)	260 kg
Table swivel range r/l	45 deg
Number of T-slots	3 positions
T-slot (width x spacing)	14 mm x 80 mm

#### **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	300 mm - 765 mm
Vertical spindle-to-table surface distance	260 mm - 660 mm
Milling head swivel range	360 deg

#### **RAPID FEED**

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

#### **HORIZONTAL MILLING SPINDLE**

Spindle speed (horizontal)	35 1/min - 1500 1/min
Spindle mount	SK 40 DIN 2080
Horizontal spindle-to- table surface distance	75 mm - 475 mm

#### **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 horiz./ vert. 3 kW

# **MEASURES AND WEIGHTS**

Overall dimensions (length x width x height)	1.9 m x 1.75 m x 2 m
Weight	1950 kg





Vertical and horizontal spindle each have their separate drive

#### **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
- Precision-ground guideways with hardened surfaces for long-term accuracy and wearresistance
- The milling table features a large setup area and can be rotated in linear direction
- 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
- Standard outer arbor support with bronze plain bearings accommodates long milling arbors in the horizontal spindle
- 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

3-axis position indicator X.Pos 3.2
Collet chuck with collets (4,5,6,8,10,12,14,16 mm diam.)
Horizontal arbor Ø 27 mm
Outer arbor support for horizontal milling
Chip tray
Coolant system
Central lubrication
M16 draw bar
LED work lamp
Operating tools
Operator instructions