

# Conventional Vertical Milling Machines

## KB 1400



### PRODUCT.BROCHURE.SKU: 301320

The heavy universal bed milling machine offers wide guides and high drive power for superior cutting performance, and with its extensive equipment is ideally suited for plant and machine construction. The heavy vertical milling head can be swiveled to the right and left, the quill can be moved manually, and the spindle speed can be continuously adjusted. The feed in the Y- and X-axes can be varied using a robust gearbox. All axes have rapid traverse and the large clamping table offers plenty of space for workpieces and clamping devices.

- Large work area
- Vertical cutter head with quill stroke
- Infinitely variable feed speeds
- Extensive standard equipment

### PRODUCT.BROCHURE.technical\_specs

#### ATTRIBUTES.MEG-000008.DESCRPTION

attributes.MEG-000008.MER-000010	150 mm - 650 mm
attributes.MEG-000008.MER-000020	3 positions
attributes.MEG-000008.MER-000271	1400 mm x 400 mm
attributes.MEG-000008.MER-000344	18 mm
attributes.MEG-000008.MER-000005	100 mm
attributes.MEG-000008.MER-000105	1670 mm/min

#### ATTRIBUTES.MEG-000059.DESCRPTION

attributes.MEG-000059.MER-000287	950 mm
attributes.MEG-000059.MER-000288	400 mm
attributes.MEG-000059.MER-000289	500 mm

#### ATTRIBUTES.MEG-000012.DESCRPTION

attributes.MEG-000012.MER-000942	SK 50 DIN 2080
attributes.MEG-000012.MER-000451	510 mm
attributes.MEG-000012.MER-000339	30 1/min - 1800 1/min
attributes.MEG-000012.MER-000920	105 mm
attributes.MEG-000012.MER-000139	± 30°

#### ATTRIBUTES.MEG-000060.DESCRPTION

attributes.MEG-000060.MER-000083	1670 mm/min
attributes.MEG-000060.MER-000084	1670 mm/min
attributes.MEG-000060.MER-000085	1670 mm/min

#### ATTRIBUTES.MEG-000006.DESCRPTION

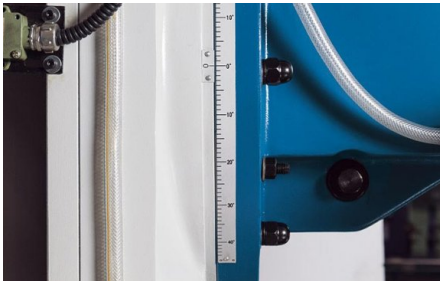
attributes.MEG-000006.MER-000298	18 mm/min - 627 mm/min
attributes.MEG-000006.MER-000300	18 mm/min - 627 mm/min
attributes.MEG-000006.MER-000302	18 mm/min - 627 mm/min

#### ATTRIBUTES.MEG-000002.DESCRPTION

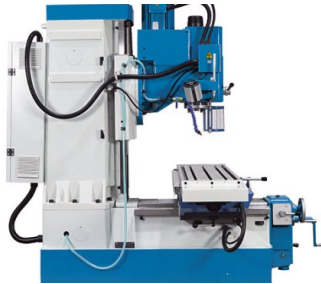
attributes.MEG-000002.MER-000159	7.5 kW
attributes.MEG-000002.MER-000166	0.75 kW
attributes.MEG-000002.MER-000168	0.75 kW
attributes.MEG-000002.MER-000163	0.04 kW

#### ATTRIBUTES.MEG-000004.DESCRPTION

attributes.MEG-000004.MER-000079	12 l/min
attributes.MEG-000004.MER-000002-height	2.29 m x 1.77 m x 2.12 m
attributes.MEG-000004.MER-000108	3660 kg



*The very rigid cutter head can be precisely swiveled and aligned*



*Heavy-duty design with large throat and generous work space*



*Face milling with cutter head*

## PRODUCT.BROCHURE.PRODUCT\_DETAILS

- Only the cutter head (with the part) - not the machine table - moves on the Z-axis. This results in improved stability, less vibration, and ultimately increases precision and extremely high table load capacity! This effect is emphasized even more by the large, heavy cast-iron frame (Meehanite) and extremely wide box ways.
- Infinitely variable speed adjustment provided through frequency drive
- Rigid rectangular guideways for long-lasting accuracy
- Meehanite cast-iron frame
- Cutter head swivels  $\pm 45^\circ$
- Hardened and ground guideways on all axes
- Standard 3-axis position indicator

### 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

## PRODUCT.BROCHURE.STANDARD\_EQUIPMENT

3-axis position indicator X.Pos 3.2  
 Collet chuck with collets (4,5,6,8,10,12,14,16 mm diam.)  
 Reducing sleeves MT4, MT3, MT2  
 Cutter arbor  $\varnothing$  40 mm  
 Coolant system  
 Work lamp  
 Central lubrication  
 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!**