

Conventional Vertical Milling Machines

KB 2100



PRODUCT.BROCHURE.SKU: 301285

This heavy bed-type universal milling machine with cross table combines high unladen weight, wide guides and high drive power for superior cutting performance. The universal milling head can be swiveled on two planes and positioned at almost any spatial angle. The feed on the Y- and X-axes is infinitely variable and all axes can be traversed in rapid mode. The large clamping table offers plenty of space for workpieces and clamping devices. Together with the extensive equipment, this model is ideal for industrial and machine manufacturing.

- Large work area
- Infinitely variable feed
- Universal cutter head with 2 swivel axes
- Horizontal milling with outer arbor support
- Extensive standard equipment

PRODUCT.BROCHURE.technical_specs

ATTRIBUTES.MEG-000008.DESCRPTION

attributes.MEG-000008.MER-000271	2100 mm x 500 mm
attributes.MEG-000008.MER-000272	2000 kg
attributes.MEG-000008.MER-000020	4 positions
attributes.MEG-000008.MER-000005	100 mm
attributes.MEG-000008.MER-000344	20 mm

ATTRIBUTES.MEG-000059.DESCRPTION

attributes.MEG-000059.MER-000287	1500 mm
attributes.MEG-000059.MER-000288	670 mm
attributes.MEG-000059.MER-000289	0 mm - 670 mm

ATTRIBUTES.MEG-000012.DESCRPTION

attributes.MEG-000012.MER-000339	35 1/min - 1345 1/min
attributes.MEG-000012.MER-000942	ISO 50
attributes.MEG-000012.MER-000451	610 mm
attributes.MEG-000012.MER-000012	0 mm - 670 mm
attributes.MEG-000012.MER-000235	360 deg

ATTRIBUTES.MEG-000060.DESCRPTION

attributes.MEG-000060.MER-000083	3500 mm/min
attributes.MEG-000060.MER-000084	3500 mm/min
attributes.MEG-000060.MER-000085	1750 mm/min

ATTRIBUTES.MEG-000006.DESCRPTION

attributes.MEG-000006.MER-000299	20 mm/min - 1800 mm/min
attributes.MEG-000006.MER-000301	20 mm/min - 1800 mm/min

ATTRIBUTES.MEG-000002.DESCRPTION

attributes.MEG-000002.MER-000159	7.5 kW
attributes.MEG-000002.MER-000166	2 kW
attributes.MEG-000002.MER-000163	0.55 kW

ATTRIBUTES.MEG-000004.DESCRPTION

attributes.MEG-000004.MER-000002-height	3.3 m x 2.38 m x 2.75 m
attributes.MEG-000004.MER-000108	7300 kg



Rigid outer arbor system for long milling arbors



2 swivel levels allowing to set virtually any angle

PRODUCT.BROCHURE.PRODUCT_DETAILS

- An extremely rigid, large-sized box-column design, made of premium cast-iron, provides a solid base for optimum work results
- Extra wide guideways ensure maximum stability and precision at high loads
- Extra long table travel distance (1500 mm) and large table set-up area (2100 x 500 mm) allow machining of large single parts or interactive machining of several parts - to give you a leading edge over your competition
- Wide spindle speed ranges from 40 to 1600 rpm
- Infinitely variable linear and cross feeds
- Control panel on a long extending arm that can be ideally positioned by the operator
- This universal cutter head features maximum rigidity and quiet operation. The angle can be set manually on an infinitely adjustable scale from 90° to 45°. This allows an exact adjustment of the headstock in user-defined spatial angles and easy movement to a horizontal position.
- The KB 2100 includes a horizontal cutter arbor holder with excellent rigidity, allowing the user to fully utilize the advantages of a bed-type milling machine design for machining with long cutter arbors.

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
 Universal swivel head
 Coolant system
 Draw bar
 1 set- milling chuck set ISO 50 (4, 6, 8, 12, 16, 18, 22, 26mm)
 Cutter arbor ISO 50 Ø 40 mm
 Horizontal arbor holder
 Horizontal arbor Ø 32 mm
 Work lamp
 Operating tools
 Foundation bolts M12 x 500 mm
 Operator instructions

PRODUCT.BROCHURE.OPTIONAL_EQUIPMENT

- Universal Indexing Head 200 mm / KB 2100, product.brochure.sku: 253647
- Universal indexing head 250 mm, product.brochure.sku: 253648
- Spindle guard, product.brochure.sku: 250892



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!**