



PRODUCT.BROCHURE.SKU: 300830
SALE ONLY OUTSIDE THE EU

The Meisterturn ensures high precision and features a modern ergonomic design and safety features. It is equipped with an inverter that produces spindle speeds up to 2,500 rpm. The integrated constant cutting speed function adjusts the spindle speed to the diameter during face turning and produces CNC-grade turning results. Workpieces with a wide range of diameters can be machined with high accuracy and superior surface quality. It comes with an extensive equipment package and intuitive operating features. This makes it the perfect machine for demanding single parts production and also an excellent training machine

- Ergonomic machine enclosure
- Infinitely variable spindle speed
- Facing with constant cutting speed:
- Fully equipped

PRODUCT.BROCHURE.technical_specs

ATTRIBUTES.MEG-000008.DESCRPTION

attributes.MEG-000008.MER-001279	800 mm
attributes.MEG-000008.MER-000411	200 mm
attributes.MEG-000008.MER-000063	400 mm
attributes.MEG-000008.MER-001769	245 mm
attributes.MEG-000008.MER-000047	260 mm

ATTRIBUTES.MEG-000059.DESCRPTION

attributes.MEG-000059.MER-000287	215 mm
attributes.MEG-000059.MER-000289	745 mm
attributes.MEG-000059.MER-000334	112 mm
attributes.MEG-000059.MER-000236	60°

ATTRIBUTES.MEG-000007.DESCRPTION

attributes.MEG-000007.MER-000388	450 1/min - 2500 1/min
attributes.MEG-000007.MER-000387	50 1/min - 450 1/min
attributes.MEG-000007.MER-000251	52 mm
attributes.MEG-000007.MER-000259	A2-5 (D1-5)
attributes.MEG-000007.MER-000247	6 MT

ATTRIBUTES.MEG-000006.DESCRPTION

attributes.MEG-000006.MER-000293	0.0125 mm/R - 1 mm/R
attributes.MEG-000006.MER-000295	0.025 mm/R - 2 mm/R

ATTRIBUTES.MEG-000015.DESCRPTION

attributes.MEG-000015.MER-000351	20 mm x 20 mm
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ATTRIBUTES.MEG-000005.DESCRPTION

attributes.MEG-000005.MER-001594	0.2 mm - 14 mm
attributes.MEG-000005.MER-000748	TPI
attributes.MEG-000005.MER-001227	0.12 MP - 6.3 MP
attributes.MEG-000005.MER-002402	3 DP - 200 DP

ATTRIBUTES.MEG-000009.DESCRPTION

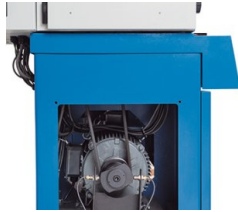
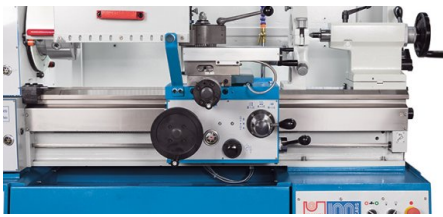
attributes.MEG-000009.MER-000749	50 mm
attributes.MEG-000009.MER-000194	3 MT
attributes.MEG-000009.MER-000196	110 mm
attributes.MEG-000009.MER-000197	15 mm

ATTRIBUTES.MEG-000002.DESCRPTION

attributes.MEG-000002.MER-000159	5.5 kW
attributes.MEG-000002.MER-000163	0.125 kW

ATTRIBUTES.MEG-000004.DESCRPTION

attributes.MEG-000004.MER-000002-height	1.88 m x 1.07 m x 1.55 m
attributes.MEG-000004.MER-000108	1250 kg



PRODUCT.BROCHURE.PRODUCT_DETAILS

- The Meisterturn combines precision and easy handling for highly efficient single parts and small batch production in the area of tool and mold construction
- It also meets all of the special requirements for use in training and continuing education on an industrial level
- The modern construction, high-quality components, and intuitive operation have been proven in the production environment
- The heavy machine bed is made of premium cast-iron and features wide, ground and hardened dual v-guides
- The large spindle capacity allows short clamping of shafts and tubes through the lathe chuck
- The two-step main spindle gear runs in an enclosed oil bath
- All gears and shafts are hardened and ground
- The drive features an infinitely variable motor speed, producing a high torque for powerful machining and a wide speed range
- V-const - During face turning, the spindle speed automatically adapts to the changing workpiece diameter – the constant cutting speed at the cutting edge of the turning tool ensures superior turning results with quality comparable to CNC lathes
- Safety comes first: The main motor is equipped with electromagnetic brakes, and the maximum speed is monitored via a rev limiter
- The top slide swivels and includes a market-leading quick-action tool changer system
- All guides feature high-precision adjustments and a central lubrication system ensure easy maintenance and servicing
- Feed gears and apron also run in an enclosed oil bath
- The included bed stop is used to limit the travel distance and also suitable for series production
- The tailstock easily adjusts for taper turning via a side-mounted control
- The user-friendly control panel features ergonomically placed control elements for easy operation and operator safety
- The hand wheels automatically disengage during automatic machining operations
- The chuck guard is equipped with a heavy-duty swivel mechanism
- A large cover to protect from chips and coolant can be connected to the support or positioned separately
- Lead screw and feed shaft are protected reliably with a stainless steel cover.
- A sturdy LED lighting system provides optimum lighting of the work area without raising the temperature
- The Meisterturn safety design also includes ideally positioned E-Stop buttons
- The chip tray can be pulled out at the front and is easy to clean
- Position indicators have been mounted on all axes at the factory, and premium glass scales are protected by robust covers
- Extensive functions of the X.pos position indicator include a digital rpm display and a wide variety of easy to program additional functions
- This machine includes a high-performance coolant system with a large separate reservoir for easy access and cleaning

PRODUCT.BROCHURE.STANDARD_EQUIPMENT

- 3-axis position indicator X.Pos 3.2
- 3-jaw chuck Ø 200 mm
- Change gears
- Quick change tool holder head WB
- Quick change tool holder WBD 25120
- Coolant system
- Chip tray
- Fixed splash guard (wall)
- Protective shield for the toolpost
- Chuck guard
- LED work lamp
- Operating tools
- Operator manual

KNUTH on YouTube Information to the point

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**Are you interested in a machine for which you cannot find a current video?
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