

Conventional Vertical Milling Machines

Mark Super SV.M



SKU : 470596

TRIAL MACHINE

Without CE mark, only for export to countries outside the EU

The Mark Super series offers drill press/milling machines for a wide variety of applications. They are ideal compact drill presses with powerful drive and wide speed range. And they also are perfect milling machines for machining steel and non-ferrous metals. Ideally suited for workshops and maintenance shops for single part machining, small batch productions, and training applications.

- Feed on the X axis
- Automatic drill feed
- Digital depth indicator for quill
- Thread cutting unit
- Swiveling cutter head
- Infinitely variable spindle speed
- Coolant system integrated in base
- 3-axis position indicator, fully assembled

TECHNICAL SPECS

WORKING AREA

Table dimensions	820 mm x 240 mm
Drilling capacity in steel	32 mm
Drilling capacity, cast iron	45 mm
Shaft milling	22 mm
Head elevation	350 mm
Number of table T-slots	3 positions
T-slot table (width x spacing)	14 mm x 65 mm

TRAVELS

Travel X-axis manual / autom.	450 mm
Travel Y-axis	150 mm

VERTICAL MILLING HEAD

Spindle mount	4 MT
Quill stroke	130 mm
Quill diameter	75 mm
Spindle nose-to-table distance	425 mm
Throat	245 mm
Head swivel range	90/70°
Speed	(12) 75-438/438-2500 1/min

FEED

Quill feeds	0,12/0,18/0,25 mm/R
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DRIVE CAPACITY

Main motor rating	1,5 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.27 m x 0.97 m x 2.05 m
Weight	320 kg

PRODUCT DETAILS



Integrated coolant system

Machine Frame

- Mark Super series machines are compact and user-friendly drill press/milling machines for workshop and training applications
- The machine frame is made of cast-iron and features wide, precisely adjustable dovetail guides on all axes
- The convenient base ensures maximum stability and also offers storage space
- The work table features a large clamping area and an infinitely variable feed motor on the X axis
- The TV 1000 is specifically configured for use on the Mark Super, and the high-torque drive ensures a consistent and efficient milling operation
- A rapid feed simplifies machine setup and shortens downtime during machining

Cutter head

- The cutter head features motorized vertical positioning and swivels 45° to the left and right
- The swiveling cutter head allows drilling and milling at various angles
- A two-step main spindle motor and the gears with oil bath lubrication provide a wide speed range
- For drilling jobs, the quill can be fed manually or via the automatic drive
- The high-precision quill micro-feed can also be operated via an auxiliary hand-wheel
- The integrated feed gear transmission provides three gear steps are available for the automatic quill feed
- An adjustable stop gauge automatically stops the feed upon reaching the desired depth
- The exact quill stroke is displayed on a digital depth indicator
- Additionally, the machine features a tapping feature with automatic spindle reversal upon reaching the preset thread depth
- High-quality electric components ensure reliable operation and maximum availability

The Mark Super SV.M provides more power with infinitely variable speed control for an even wider range of applications

- 2 gear steps and a DELTA variable frequency drive ensure high torque across the entire speed range for powerful machining
- The selected spindle speed is displayed directly on the control panel
- High-quality electric components ensure reliable operation and maximum availability

Equipment

- The newest generation of our standard position indicators completes this machine's professional equipment package
- The delicate glass scales are mounted within robust safety guards, which also protect against chips and coolant
- An integrated coolant system is part of the standard equipment package

Sample product

- Only for markets outside the EU. Fully tested and fully functional machine, no warranty, but includes a 6-month warranty on replacement parts (wear parts excluded)
- For the EU market, we offer a wide portfolio of drill presses. Please visit our website for detailed information
- If you have questions regarding a product or sales limitations, please contact our sales experts

Standard Equipment

- 3-axis position indicator
- Automatic quill feed
- Base
- TV 1000 table feed
- Drill chuck diameter 13 mm
- Tool-holder bits
- Coolant system
- Operation manual



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!**