

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 |
|-------------|---------------------|

DRIVE CAPACITY

| | |
|-------------------|--------|
| Main motor rating | 1,5 kW |
|-------------------|--------|

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