

Sturdy milling machines with continuously variable electronic speed control. MH 25SV with stepper motors and digital position display DRO 5

Facts that impress in terms of quality, performance and price

- ▶ Counterweight facilitates Z axis adjustment
- ▶ Variable speed control
- ▶ Easy tool changing thanks to tool quick clamping system
- ▶ Wide rail on Z axis
- ▶ Slot prepared for easy retroactive mounting of magnetic strips
- ▶ Inverter motor
- ▶ Feed spindles can be adjusted thanks to adjustable spindle nuts
- ▶ All guides are ground and sight scrapped (oil pockets for lubrication)
- ▶ Precision workmanship
- ▶ Particularly smooth action
- ▶ Angular ball bearings on the axes
- ▶ Drilling/milling head inclined through $\pm 45^\circ$
- ▶ Right-handed/left-handed rotation
- ▶ Height-adjustable protective screen with microswitch

- ▶ Sturdy dovetail guide, precision ground and shaved with adjustable V-ledges

MH 25V:

- ▶ Easily readable speed display in milling head

MH 25SV:

- ▶ Continuously variable feed on all axes
- ▶ Rapid motion X/Y axis for fast positioning
- ▶ Digital 3-axis position display DRO 5
- ▶ Feed cut-off at end position
- ▶ Transportable control panel
- ▶ The feed switches off when the spindle is stationary



Mechanical quick change clamping system

- The milling head is equipped with spring collet for pull studs BT30x45°
- Easy to change by turning an Allen key in the adapter bore.



Fig.: MH 25V



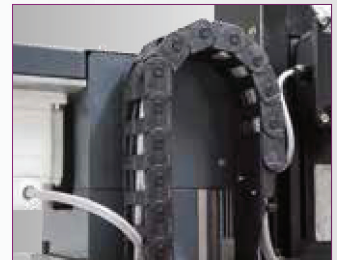
Control panel

- User-friendly touch keyboard, touch and switch control
- Easy to clean



Limit switches

- For all three axes

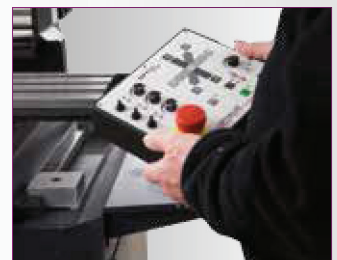


Energy chain

- cable guidance easy on material



Fig.: MH 25SV



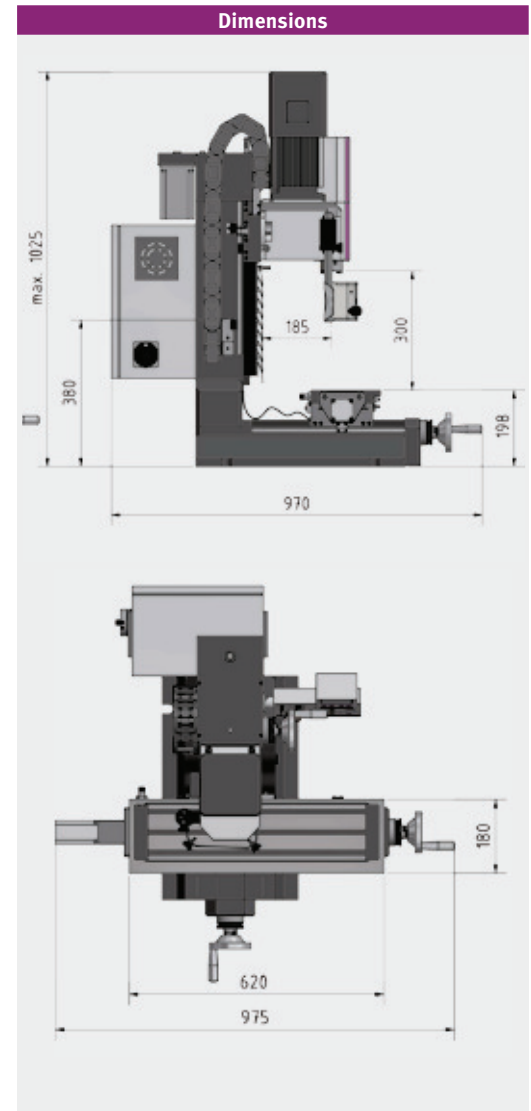
Control panel

- Excellent operability
- Good mobility thanks to ability to remove control panel from holder (MH 25SV)

Model	MH 25V**	MH 25SV**
Article no.	3338155	3338160
Technical specifications		
Electrical connection	230 V / 1 Ph ~50 Hz	
Total connected load	2 kW	
Milling spindle		
Drive motor	1.5 kW	
Drive motor torque	10 Nm	
Drilling/milling output		
Milling head size (max.)	Ø 50 mm	
Max. shaft milling cutter size	Ø 25 mm	
Spindle seat		
Spindle seat	BT 30	
Throat	185 mm	
Drilling/milling head		
Swivel range	45°	
Spindle speeds	200 - 4,000 rpm	
Gears	Electronic speed control	
Cross table		
Clearance spindle to table	300 mm	
Table length x width	620 x 180 mm	
T-slot size/amount/spacing	12 mm / 3 / 50 mm	
Max. load	30 kg	
Strokes		
X axis	manual 400 mm	automatic 380 mm manual 400 mm
Y axis	manual 210 mm	automatic 130 mm manual 210 mm
Z axis	manual 270 mm	automatic 190 mm manual 270 mm
Torque		
X/Y/Z axis	-	2.2 / 2.2 / 4.2 Nm
Travel speeds		
X axis	-	150 - 930 mm/min.
Y axis	-	100 - 580 mm/min.
Z axis	-	80 - 450 mm/min.
Dimensions		
Length x width x height max.	970 x 975 x 1,025 mm	
Overall weight	192 kg	200 kg

Accessories	Article no.
Milling head holder Ø 22 mm	3353306
Chuck 1 - 13 mm	3536303
Weldon holder Ø 6 mm, BT 30	3353310
Weldon holder Ø 8 mm, BT 30	3353311
Weldon holder Ø 10 mm, BT 30	3353312
Weldon holder Ø 12 mm, BT 30	3353313
Weldon holder Ø 16 mm, BT 30	3353314
Weldon holder Ø 20 mm, BT 30	3353315
BT 30 - MT 2 adapter	3353305
Spring collet holder ER 32	3353304
Spring collet holder spanner ER 32	3353307
Spring collet set ER 32	3441122
Height-adjuster	3536290
Assembly and tool adjustment gauge	3536193
Taper squeegee	3353301
Pull stud, BT 30	3353302
Universal machine substructure	3353009
• Dimensions L x W x H: 700 x 500 x 750 mm	
Vibration damping machine base SE1	3381012
4 pcs. required	
› More „Rotary indexing tables“ on page 96 onwards	

The mill (frequency converter) complies with the DIN EN 55011 standard: class A



Accessories	Article no.
Starter set BT 30	3353282
• Milling head holder 22 mm	
• Chuck 1 - 13 mm	
• 2 pcs. Weldon Ø 6 mm and 20 mm	
• 1 pc. each Weldon Ø 8 / 10 / 12 / 16mm	
• BT 30 - MT 2 adapter	
• 3 pc. spring collet holder ER 32	
• Spring collet key ER 32	
• 18-part spring collet set ER 32	
• Height-adjuster	
• Assembly and tool adjustment gauge	
• 14 pcs. pull studs	
• Taper squeegee	

