

## Universal precision drilling/milling machines with manual gearbox. MH 35V with electronically controlled drive. Control unit with dirt- and water-resistant membrane keyboard

### Facts that impress in terms of quality, performance and price

- ▶ Control panel with user-friendly dirt and water resistant foil keyboard
- ▶ Easily readable digital display
- ▶ Easily readable spindle sleeve display in milling head
- ▶ Drilling depth stop
- ▶ Thread tapping mode
- ▶ Right-handed/left-handed rotation
- ▶ Rotary pushbutton on control panel for adjusting the drilling depth, optionally in mm or inches, with zero point
- ▶ Excellent concentricity thanks to tapered roller bearings, better than 0.015 mm measured in the spindle sleeve
- ▶ Gear head pivots through  $\pm 30^\circ$
- ▶ Manual fine feed
- ▶ Adjustable cleats
- ▶ Z axis with slatted, stainless steel protective cover

- ▶ Height-adjustable protective screen with microswitch for best possible user protection against chips and parts being flung out
- ▶ Solid and generously dimensioned cross table with precision surface finish and T-slots
- ▶ Heavy, sturdy and solid columns made of premium cast material with ground and shaven dovetail guide for excellent stability and precision
- ▶ Optional, solid, heavy steel chassis ensures stability

### MH 35G:

- ▶ Two-stage industrial quality electric motor

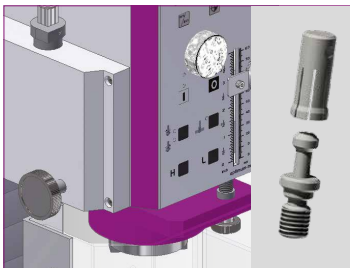
### MH 35V:

- ▶ 6 speeds, electronically controlled



### Energy chain

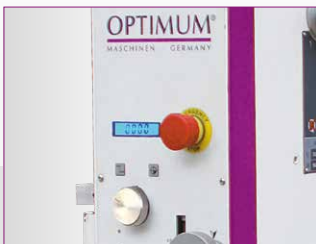
- › cable guidance easy on material



### Mechanical

#### Quick change clamping system

- The milling head is equipped with spring collet for pull stud BT30x45°
- › Easy to change by unlocking the mechanical safeguard and moving the spindle sleeve lever upward



- › Depth selection freely configurable via digital display
- › In speed mode, the machine automatically switches over from clockwise to anti-clockwise run.



Fig.: MH 35V

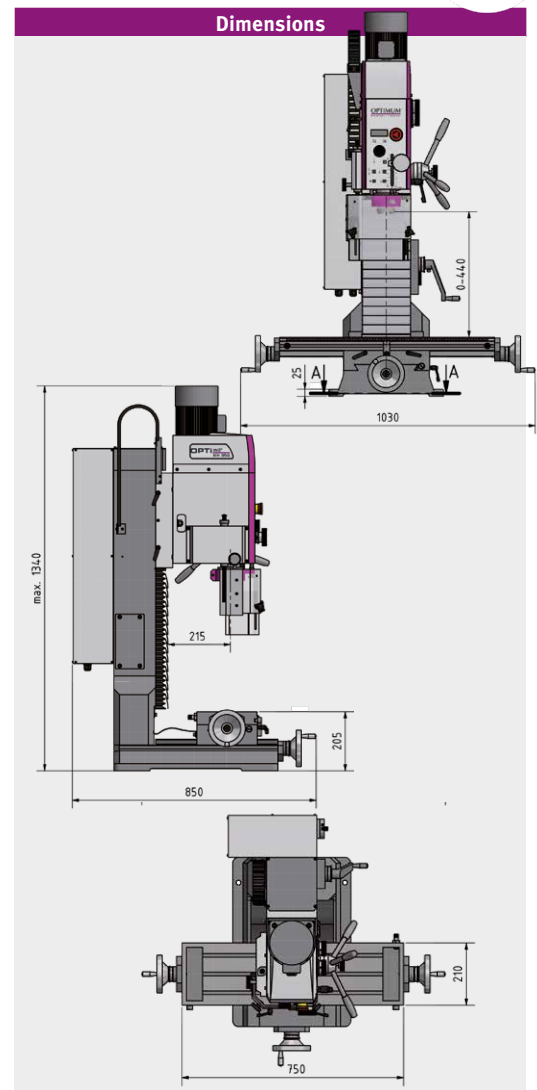


## Technical specifications, accessories and dimensions

Model	MH 35G	MH 35V***
Article no.	3338165	3338170
<b>Technical data</b>		
Electrical connection	400 V / 3 Ph ~50 Hz	
Motor output	1.1 / 1.5 kW	1.5 kW
<b>Drilling/milling output</b>		
Drilling performance in steel (S235JR)	Ø 32 mm	
Continuous drilling performance in steel (S235JR)	Ø 28 mm	
Max. sensor head size	Ø 80 mm	
Max. shaft milling cutter size	Ø 28 mm	
<b>Spindle</b>		
Spindle sleeve stroke	90 mm	
Spindle seat	BT 30	
Spindle sleeve diameter	68 mm	
Throat	215 mm	
<b>Drilling/milling head</b>		
Spindle speeds	220 - 3 100 rpm	50 - 3 260 rpm
Speeds	2 x 6 speeds	6 speeds Electr. controlled
Pivot range	± 30°	
<b>Cross table</b>		
Length x width	750 mm / 210 mm	
T-slot size / spacing / count	12 mm / 63 mm / 3	
Load bearing capacity	max. 170 kg	
Clearance spindle to cross table max.	440 mm	
<b>Travel</b>		
X axis	450 mm	
Y axis	200 mm	
Z axis	460 mm	
<b>Dimensions</b>		
Length x width x height	850 / 1 030 / 1 340 mm	
Weight	316 kg	

Accessories	Article no.
<b>Milling head holder</b> Ø 22 mm	3353306
<b>Quick clamping drill chuck</b> 1 - 13 mm	3536303
<b>Weldon holder</b> Ø 6 mm	3353310
<b>Weldon holder</b> Ø 8 mm	3353311
<b>Weldon holder</b> Ø 10 mm	3353312
<b>Weldon holder</b> Ø 12 mm	3353313
<b>Weldon holder</b> Ø 16 mm	3353314
<b>Weldon holder</b> Ø 20 mm	3353315
<b>Adapter</b> BT 30 - MT 2	3353305
<b>Spring collet holder</b> ER 32	3353304
<b>Spring collet holder spanner</b> ER 32	3353307
<b>Collet kit</b> ER 32	3441122
<b>Height-adjuster</b>	3536290
<b>Assembly and tool adjustment gauge</b>	3536193
<b>Taper squeegee</b>	3353301
<b>Pull stud</b> 40 x 45° M12	3353302
<b>Pull stud</b> DIN2080 M12	3536177
<b>Universal table feed</b> V99	3352022
<b>Assembly kit</b> V99 - X axis	3352035
<b>Assortment of clamping tools</b> size 10, 58-parts	3352016
<b>Steel chassis</b> (information on page 131)	3353014
<b>Levelling platen</b> SE 55 (4 pcs. required)	3352981
<b>Vibration damping machine base</b> SE1 (4 pcs. required)	3381012
› <b>More accessories for milling machines</b> from page 122	

\*\* Important information on transport surcharge and „Operation of machines with frequency converters“ on page 249  
\*\*\*The milling machine complies with the DIN EN 55011 standard: class C2.



### Scope of supply

› Operating tool

Machine vices	Article no.
<b>FMS 125</b>	3354125
<b>VMQ 100</b>	3354181
<b>MV3-75</b>	3354175
<b>DAS 100</b>	3355500
<b>ZAS 50</b>	3354170

Accessories	Article no.
<b>Starter set BT 30</b>	3353282
› Milling head holder Ø 22 mm	
› Quick-action drill 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 pcs. spring collet holder ER 32	
› Spring collet key ER 32	
› 18-part Collet kit ER 32	
› Height-adjuster	
› Assembly and tool adjustment gauge	
› 14 pcs. pull studs	
› Taper squeegee	