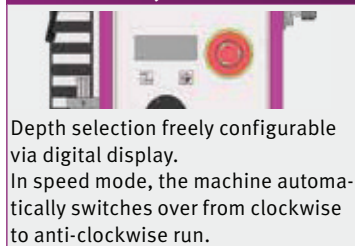


## Universal precision drilling/milling machine with manual gearbox. MH 35V with electronic speed control. Control unit with dirt- and water-resistant touch keyboard

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

- ▶ Heavy, sturdy and solid columns made of premium cast material with ground and shaven dovetail guide for excellent stability and precision
- ▶ Excellent concentricity thanks to tapered roller bearings, better than 0.015 mm measured in the spindle sleeve
- ▶ Gear head inclined through  $\pm 60^\circ$
- ▶ Manual fine feed
- ▶ Adjustable V-ledges
- ▶ Optional, solid, heavy steel substructure ensures stability
- ▶ Drilling depth stop
- ▶ Thread tapping mode
- ▶ Height-adjustable protective screen with microswitch for best possible user protection against chips and parts being flung out
- ▶ Two-stage industrial quality electric motor
- ▶ Easily readable spindle sleeve display in milling head

### Drilling and thread tapping depth adjustment



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

### Control panel

- User-friendly touch keyboard
- Easily readable digital display
- Clearly-arranged
- Emergency stop button

### Control panel functions

- Drive motor stage selection
- Spindle direction
- Drill thread

### Control panel rotary pushbutton

- Adjustment of drilling depth mm / inch and zero point

### Manual spindle sleeve feed

- Via spindle sleeve lever (drilling)
- Coupling for switching over from manual rough to manual fine feed

### Tapered roller bearing

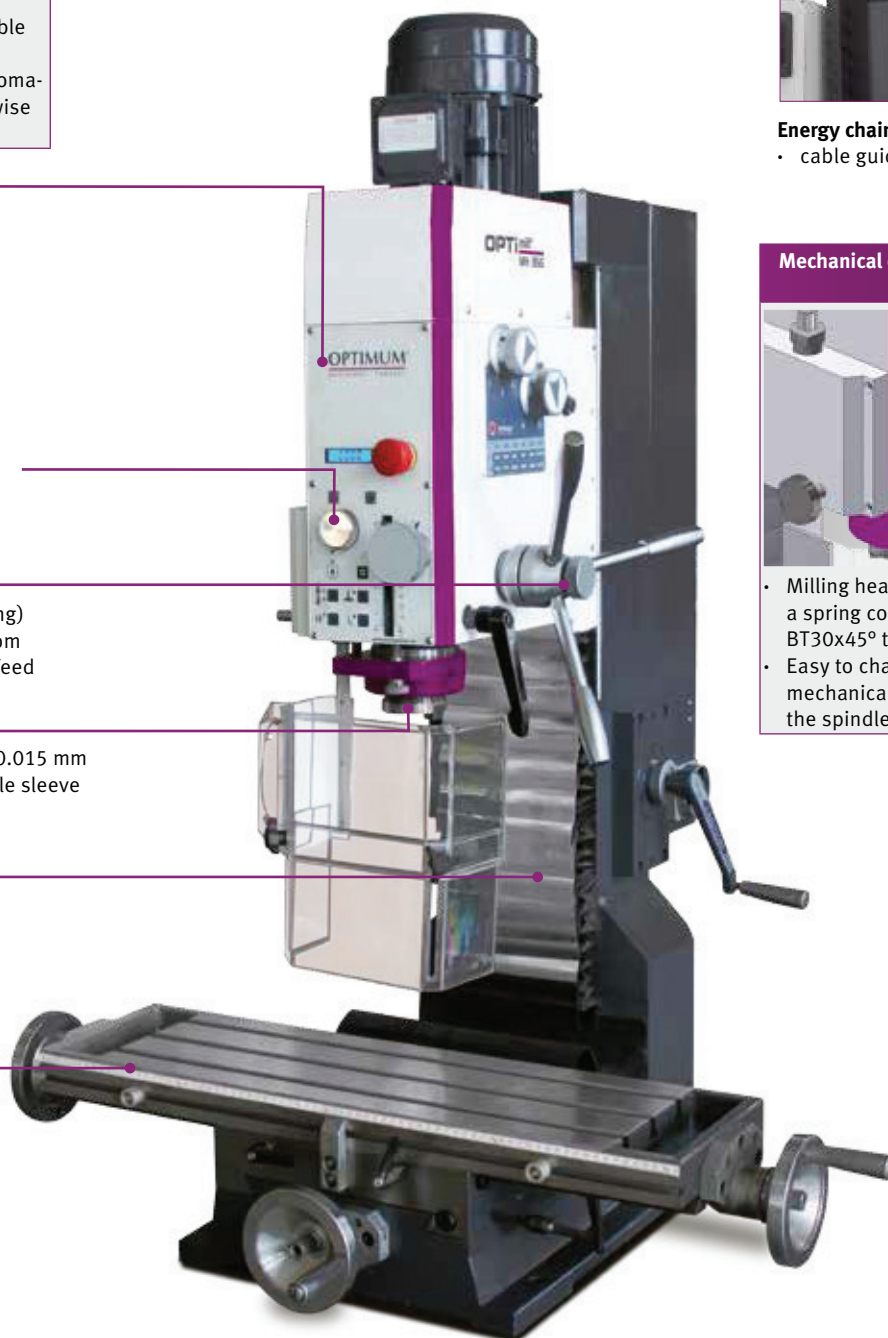
- High levels of concentricity  $\leq 0.015$  mm measured in the drilling spindle sleeve

### Solid column

- Dovetail guide
- Maximum stability
- Greatest possible precision
- Slatted, stainless steel protective cover

### Cross table

- Solid and generously dimensioned
- Precise surface finish
- With T-slots
- Adjustable V-ledges
- Adjustable via 3 hand wheels
- Longitudinal scale inset
- Adjustable limit stops



### Energy chain

- cable guidance easy on material

### Mechanical quick change clamping system



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

Figure: MH 35G

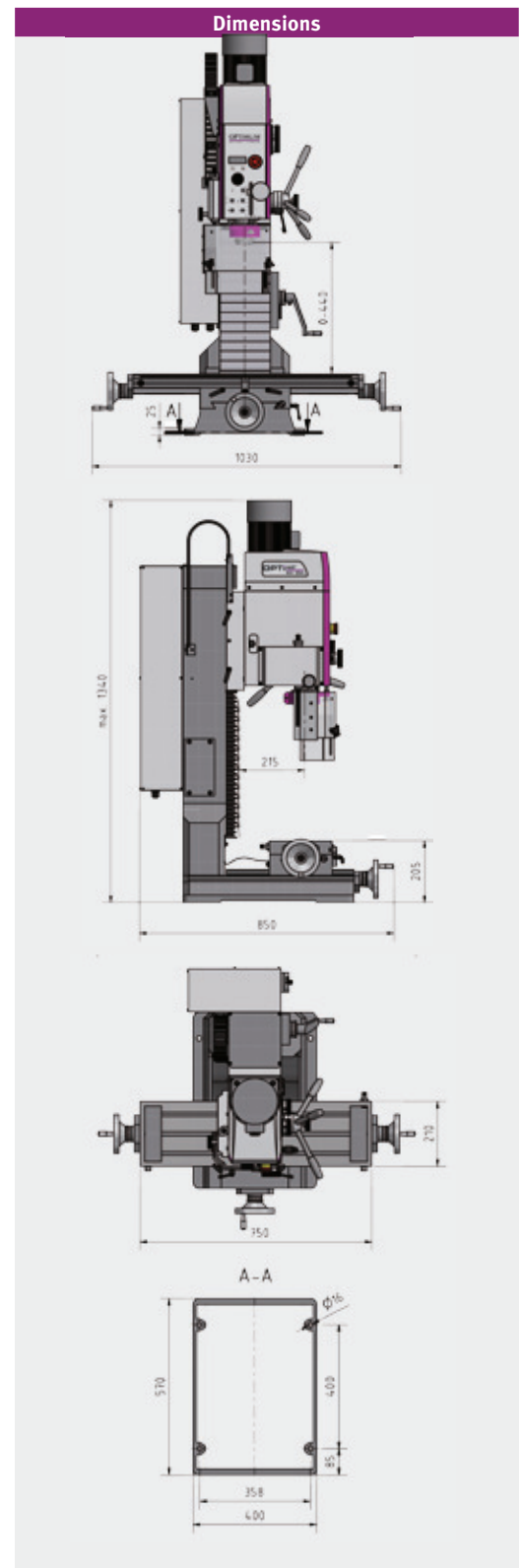
## Technical specifications, accessories and dimensions

| Model  | MH 35G                 | MH 35V                            |
|--|------------------------|-----------------------------------|
| Article no.                                    | 3338165                | 3338170                           |
|  |                        |                                   |
| Technical data                                 |                        |                                   |
| Electrical connection                          | 400 V / 3 Ph ~50 Hz    |                                   |
| Motor output                                   | 1.1/1.5 kW             | 1.5 kW                            |
| Drilling/milling output                        |                        |                                   |
| Drilling performance steel (S235JR)            | Ø 32 mm                |                                   |
| Continuous drilling performance steel (S235JR) | Ø 28 mm                |                                   |
| Milling head size (max.)                       | Ø 80 mm                |                                   |
| Max. shaft milling cutter size                 | Ø 28 mm                |                                   |
| Spindle seat                                   |                        |                                   |
| Spindle sleeve stroke                          | 90 mm                  |                                   |
| Spindle seat                                   | BT 30                  |                                   |
| Spindle sleeve diameter                        | 68 mm                  |                                   |
| Throat   | 215 mm                 |                                   |
| Drilling/milling head                          |                        |                                   |
| Swivel range                                   | ± 60°                  |                                   |
| Spindle speeds                                 | 220 - 3,100 rpm        | 50 - 3,260 rpm                    |
| Gears  | 2 x 6 speeds           | 6-speed, electronic speed control |
| Cross table                                    |                        |                                   |
| Clearance spindle to Cross table               | max. 440 mm            |                                   |
| Table length x width                           | 750 x 210 mm           |                                   |
| Table max. load                                | 170 kg                 |                                   |
| T-slot size/amount/spacing                     | 12 mm / 3 / 63 mm      |                                   |
| Strokes  |                        |                                   |
| X axis   | 450 mm                 |                                   |
| Y axis   | 200 mm                 |                                   |
| Z axis   | 460 mm                 |                                   |
| Dimensions                                     |                        |                                   |
| Length x width x height max.                   | 850 x 1,030 x 1,340 mm |                                   |
| Overall weight                                 | 316 kg                 |                                   |

| Accessories                        | Article no. |
|------------------------------------|-------------|
| Milling head holder 22 mm          | 3353306     |
| Chuck 1 - 13 mm                    | 3536303     |
| Weldon holder Ø 6 mm               | 3353310     |
| Weldon holder Ø 8 mm               | 3353311     |
| Weldon holder Ø 10 mm              | 3353312     |
| Weldon holder Ø 12 mm              | 3353313     |
| Weldon holder Ø 16 mm              | 3353314     |
| Weldon holder Ø 20 mm              | 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                          | 3353302     |
| Universal table feed V99           | 3352022     |
| Assembly kit V99 - X axis          | 3352035     |

NEW

| Accessories  | Article no. |
|--|-------------|
| <b>Steel substructure</b>                          | 3353014     |
| • Size L x W x H: 650 x 550 x 750 mm               |             |
| • Weight 76 kg                                     |             |
| <b>Vibration damping machine base SE1</b>          | 3381012     |
| (4 pcs. required)                                  |             |
| » More „Rotary indexing tables“ on page 96 onwards |             |



| Accessories   | Article no. |
|---|-------------|
| <b>Starter set BT 30</b>  | 3536107     |
| • 22 mm milling head holder, 1 - 13 mm chuck, 2 Weldon Ø 6 mm and 20 mm, 1 Weldon Ø 8 / 10 / 12 / 16 mm each, adapter BT 30 - MT 2, 3 spring collet holder ER 32, spring collet key ER 32, 18 part spring collet set ER 32, height adjustment unit, assembly and tool adjustment aid, 14 tightening bolts, wiper cone |             |