

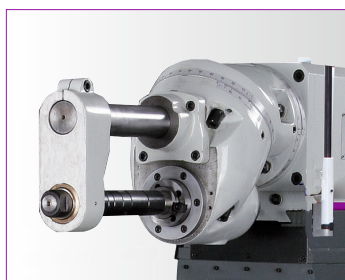
Versatile and easy retooling. The universal milling machine for workshops

Facts that impress in terms of quality, performance and price

- ▶ Versatile range of applications
- ▶ Heavy, solid design using premium cast meehanite
- ▶ Vertical and horizontal milling position
- ▶ Rugged machine construction
- ▶ Milling head pivots and rotates to any spatial angle
- ▶ Smooth action due to polished gearwheels running in an oil sump
- ▶ All guides tempered and adjustable using cleats
- ▶ Central lubrication
- ▶ Generously dimensioned, decoupled hand wheels with scales
- ▶ LED machine lamp
- ▶ Coolant system
- ▶ Easy operation of the switching elements
- ▶ Sturdy, square guide rails on Y and Z axis
- ▶ 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
- ▶ Digital position display DPA 2000
- ▶ Feed motor with fixed speeds
- ▶ Table feed X and Y axis
- ▶ Z axis with electrical table height adjustment

OPTI Control panel

- › Integrated switch panel
- › Integrated **digital position display**
- › Rotates about its own axis



Horizontal milling position

- › with arrester and collet for disc milling cutter
- › Adjustable plain bearing

Vertical milling position

- › E.g., for milling V-ledges along the X axis

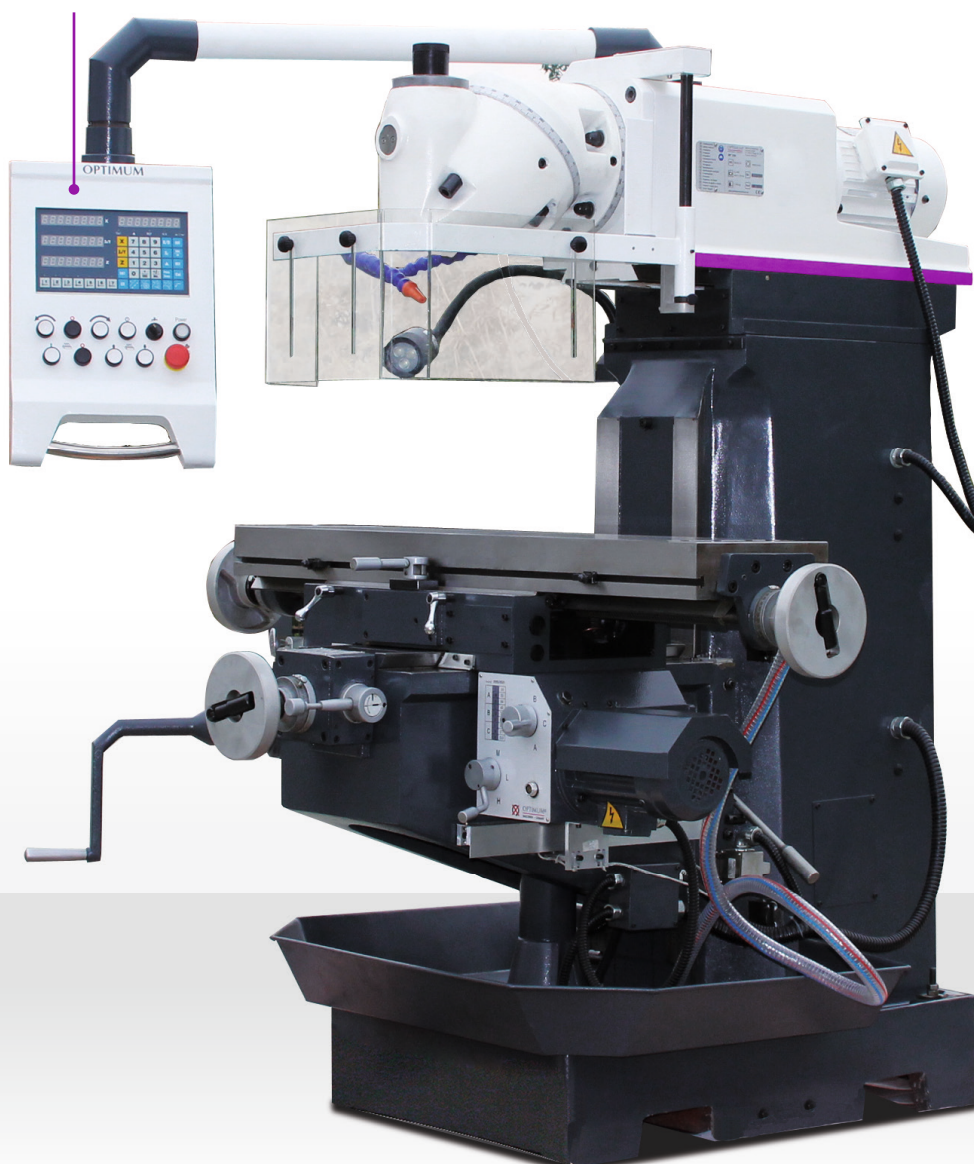


Fig.: MT 100

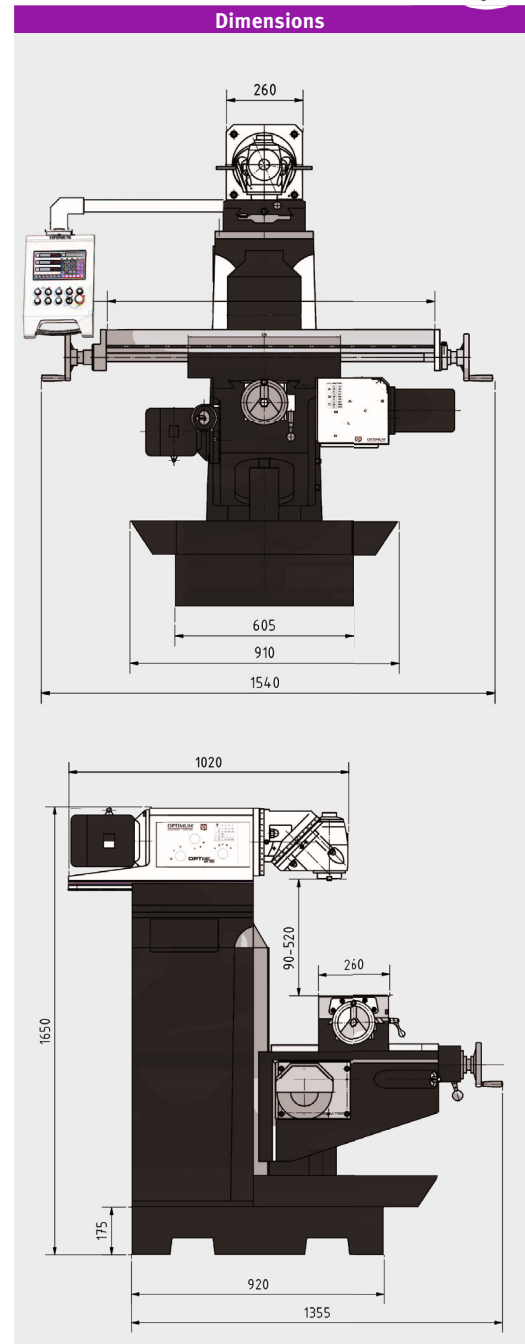


Technical specifications, accessories and dimensions

| Model | MT 100 |
|----------------------------------|---------------------------------|
| Article no. | 3336110 |
| Technical data | |
| Electrical connection | 400 V / 3 Ph ~50 Hz |
| Total rated value | 3.36 kW |
| Drive motor | 2.2 kW |
| Feed motor output X-Y axis | 370 Watts |
| Feed motor output Z-axis | 750 Watts |
| Coolant pump motor | 40 Watts |
| Drilling/milling output | |
| Max. sensor head size | Ø 85 mm |
| Max. shaft milling cutter size | Ø 20 mm |
| Vertical | |
| Spindle seat | ISO 40 DIN 2080 |
| Draw-in rod | M16 |
| Clearance spindle to cross table | 90 - 520 mm |
| Spindle speeds | 45 - 1 600 rpm |
| Speeds | 11 speeds |
| Milling head tilt angle | 360° |
| Cross table | |
| Length x width | 1 120 x 260 mm |
| Max. load bearing capacity | 350 kg |
| T-slot size / spacing / count | 14 mm / 63 mm / 3 |
| X axis | |
| Travel | manual 600 mm/automatic 480 mm |
| Manual table feed | 24 - 402 mm/min. |
| Y axis | |
| Cross table stroke | manual 270 mm/ automatic 215 mm |
| Table feed automatic | 24 - 402 mm/min. |
| Z axis | |
| Travel | manual 380 mm |
| Table feed automatic | 402 mm/min |
| Dimensions | |
| Length x width x height | 1 540 x 1 355 x 1 650 mm |
| Weight | 1 300 kg |

| Accessories | Article no. |
|---|-------------|
| Parallel shim set, 20-part | 3354001 |
| Horizontal-vertical rotary indexing table RT 150 | 3356150 |
| Horizontal-vertical rotary indexing table RT 200 | 3356200 |
| Horizontal-vertical rotary indexing table RTE 165 | 3356365 |
| Horizontal-vertical rotary indexing table RTU 165 | 3354165 |
| Universal dividing head TA 125 | 3356125 |
| End mill set HSS 12-part | 3352250 |
| End mill set HSS 20-part | 3352255 |
| Assortment of clamping tools size 12, 58 parts | 3352017 |
| Blank holder set of 2 14 mm/M12 | 3352031 |
| Precision machine shoe SEU1 (4 pcs. required) see page 128 | 3352985 |
| Arbor for drill chuck ISO 40/B16 | 3352070 |
| Collet chuck set 18-part ISO40 | 3352056 |
| Precision bore head set ISO 40 | 3352128 |
| Copying and facing blade head ISO 40 DIN 2080 | 3350216 |
| › More accessories for milling machines from page 122 | |

* Important information on transport surcharge and lump sum see page 251



Scope of supply

- › Cutter spindle horizontal milling Ø 32 mm
- › Cutter arbour Ø 32 mm
- › Operating tool

| Machine vices | Article no. |
|---|-------------|
| HMS 125 | 3355127 |
| FMS 150 | 3354150 |
| FMSN 150 | 3354130 |
| VMQ 150 | 3354183 |
| MV3-75 | 3354175 |
| MV3-125 | 3354178 |
| DAS 100 | 3355500 |
| HCV 105 | 3536210 |
| › Information about vices from page 116 | |