

Multimilling

OPTI MF 2 Vario / OPTI MF 4 Vario

Multifunctional heavy-duty drilling-milling machine for professional use.
Continuous speed control with frequency converter “made in Germany”

Convincing arguments: quality, efficiency and price

- Solid, heavy-duty model made from high-grade Meehanite cast iron
- Solid, precise cross table, amply dimensioned and precision-ground
- All slideways hardened
- Solid, rectangular slideways for Z-axis (only MF 4 Vario)
- All axis with adjustable dovetail slideway
- Continuous speed control with German frequency converter
- Right-left-hand rotation for threading
- High concentricity precision due to taper roller bearings, less than 0.01 mm measured in the spindle sleeve
- Milling head rotatability 360° and swivel of 180°
- Automatic spindle sleeve feed
- Adjustable drill depth stop with millimetre scale, reading at the front
- Electronic table height adjustment (only MF 4 Vario)
- Main switch with protective motor switch, right-left-hand rotation switch, emergency stop switch
- Coolant pump supplied as standard
- Economically-priced and stable value



Model	OPTI MF 2 Vario	OPTI MF 4 Vario
Item No.	333 6020	333 6040
€ (VAT excl.)	8,390.00	11,390.00
Technical data		
Drilling capacity in cast iron (max.)	Ø 18 mm	Ø 24 mm
Drilling capacity in steel (max.)	Ø 16 mm	Ø 20 mm
Milling capacity face cutter (max.)	Ø 76 mm	Ø 100 mm
Milling cap. of end mill cutter (max.)	Ø 12 mm	Ø 20 mm
Working range	213 - 533 mm	200 - 680 mm
Distance spindle / crosstable	57 - 446 mm	40 - 446 mm
Spindle holding fixture	ISO 40 (DIN 2080, DIN 69871)	ISO 40 (DIN 2080, DIN 69871)
Spindle speeds	10 - 5,100 rpm	9 - 6,750 rpm
Sleeve travel	120 mm	130 mm
Automatic spindle sleeve feed	0.037 / 0.076 / 0.152 mm/rev	0.04 / 0.08 / 0.15 mm/rev
Travel of milling head	320 mm	480 mm
Swivel of milling head	360 °	360 °
Inclination of milling head	45° to -45°	45° to -45°
Load of cross table (max.)	275 kg	275 kg
Cross table size (L x W)	1,240 x 230 mm	1,370 x 255 mm
T-slot size	16 mm	16 mm
Z-axis travel manual ^{*)}	410 mm	410 mm
Y-axis travel manual ^{*)}	310 mm	410 mm
X-axis travel automatic ^{*)}	800 mm	800 mm
Motor power 400 V / 50 Hz	1.5 kW	3.75 kW
Dimensions (L x W x H)	1,480 x 1,680 x 2,150 mm	1,490 x 1,820 x 2,300 mm
Net weight	975 kg	1,300 kg



^{*)} travels are reduced by using of measuring gibs for digital displays

Extent of supply

- Coolant system
- Chip pan
- Automatic table feed X-axis
- Operating tools

- Milling head rotatable by 360° and inclination - / + 45° swivel
- Arm travel 480 mm (MF 4 Vario)
- Arm travel 320 mm (MF 2 Vario)

- Continuous speed control with **German** frequency converter
- Exceptionally wide speed range

- Adjustable drill depth stop with millimetre scale, reading at the front
- Vertical adjustable eye-protecting lens

- Adjustable, high dimensioned control panel

- Automatic cross table feed supplied as standard
- Continuous speed variation and fast motion
- Right-left-hand rotation

- Solid, exact cross table, high dimensions and precision surface worked

- Table electrical height adjustable (only OPTI MF 4 VARIO)

- Table lifting motor OPTI MF 4



Draw-in collet chuck ISO 40 with collet chucks

Morse taper B16

Holding arbor 22 mm

Accessories	Item No.	€ (VAT excl.)
■ Draw-in collet chuck ISO 40 (ER 32) with 7 collet chucks (4-3, 6-5, 8-7, 10-9, 12-11, 16-15, 20-19 mm) in practical plastic case	335 2055	209.00
■ MT for taper mandrel ISO 40 / B16	335 2070	59.00
■ Holding arbor for cutter head ISO 40/22 mm	335 2071	55.00
■ Universal table forward feed OPTI V 250 incl. assembling kit for Y-axis	335 2025	499.00

More accessories from page 27 onwards