

Milling motor FM 1000 PV-ER

ref.no.: 9M0401

EAN: 4032689229560



- ▶ Extremely quiet
- ▶ Spindle lock
- ▶ Made in Germany
- ▶ External portal interface
- ▶ LED indication for overload



Technical data

Universal motor	230 V / 50 Hz
Dimensions (L x W x H)	10 x 3 1/8 x 2 7/8 Inch
Noise level dB(A)	71
Clamping collar / chuck	1 11/16 / 5/16 Inch
Nominal power input	1.34 hp
Nominal No. of strokes – no load	4.000 – 25.000 1/min
Portal connection	
Power supply in PV operation	
Portal control	
Weight	3.6 lbs

Delivery specification

- 1 collet chuck ER 16, 8 mm (5/16 in.)
- 1 Union nut ER 16M
- 1 Clamping key ER 16M
- 1 cable 0,75 + 4 m

Examples for usage



The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.



Highest concentricity due to the filigree coordination of all components and the fact that armature and spindle are manufactured and balanced from one piece.



Duo-In: The speed can be continuously adjusted to any application, either manually or via the portal interface. Additional LED status display.



The Rapidfix cable enables a quick and easy connection in to portal.

Applications

- ▶ odel/pattern and mold making, advertising
- ▶ Engraving, jewelry,electronics, stone masonry
- ▶ Portal milling machines, cutting tables
- ▶ Grinding rigs, flexible shafts
- ▶ Compatible materials include: wood, metal, plastics foam, polystyrene, stone

Advantages

- ▶ The MAFELL milling motors are manufactured under the strictest quality controls in the German town of Oberndorf a. N. Before delivery, each milling motor is “run in” in a test cabin. This increases the tool life and the service life.
- ▶ Highest concentricity due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quickclamping device.
- ▶ Duo-In: The speed can be continuously adjusted to any application, either manually or via the portal interface. Additional LED status display.
- ▶ The Rapidfix cable enables a quick and easy connection in to portal.
- ▶ The sound pressure level of the FM 1000 PV-ER is only 71 db (A) and the device is thus.

Description

The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

With the FM 1000 PV-ER, MAFELL has developed another milling motor “Made in Germany”. The high quality standard and well thought-out details make the MAFELL milling motor the best partner in its performance class.

The labyrinth seal of FM 1000 PV-ER permanently protects the spindle and bearing from even the smallest particles, dust and chips.

Accessories / Tools



Collet chuck ER 16
3 mm



Collet chuck ER 16
4 mm



Collet chuck ER 16
6 mm



Collet chuck ER 16
3,175 mm (1/8")



PV control cable
M8 / 4-pol, 5 m



Union nut ER 16M
balanced



Collet chuck ER 16
8 mm

contact

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