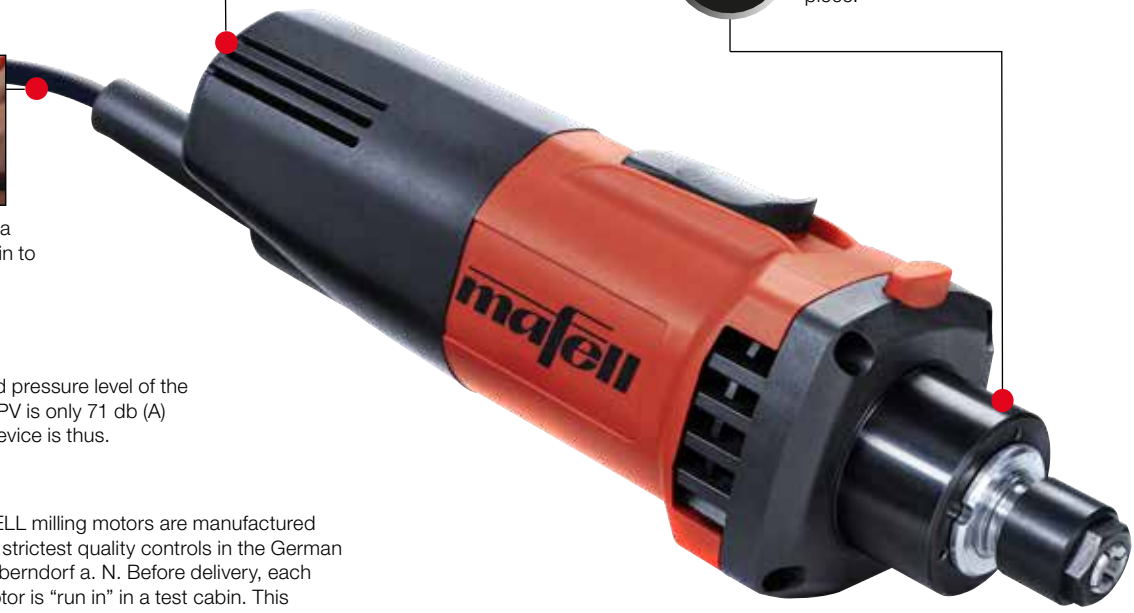
Milling motor

FM 1000 PV

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

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

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



The sound pressure level of the FM 1000 PV is only 71 db (A) and the device is thus.

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.

Product features

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

Areas of application

- Model making, mould making, advertising technology, engraving, jewellery, electronics, stonemasonry
- Ideally suited for portal milling machines, cutting tables, grinding devices and flexible shafts
- For wood, metal, plastics, foam, polystyrene, stone

Product description

With the FM 1000 PV, 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 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.

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

Technical data — FM 1000 PV

Nominal power consumption	1.000 W
Universal motor	230 V / 50 Hz
Nominal idling speed	4.000 – 25.000 rpm
Portal connection	M8 / 4-pol.
Power supply in PV operation	8 - 56 V
Portal control	0 - 10 V
Clamping collar / collet chuck	43 mm (1,69 in.) / 8 mm (0,31 in.)
Dimensions (L x W x H)	254 x 79 x 73 mm (10 x 3,11 x 2,87 in.)
Sound pressure level db (A)	71 dB (A)
Weight	1,65 kg (3,64 lbs)

Models

Milling motor FM 1000 PV	**9M0201**

Scope of supply

1 Collet chuck OZ8, 8 mm (0,31 in.)
1 Union nut OZ8,
1 Open-ended spanner
1 Mains cable 0,75 m + 4 m

Special accessories / tools

Union nut OZ8,	093729
Collet chuck OZ8, 3 mm	093731
Collet chuck OZ8, 4 mm	093732
Collet chuck OZ8, 6 mm	093733
Collet chuck OZ8, 8 mm	093734
Collet chuck OZ8, 3,175 mm (1/8“)	093735
Collet chuck OZ8, 6,35 mm (1/4“)	093736
Collet chucks-set OZ8, 3 mm*	093737
Collet chucks-set OZ8, 3,175 mm (1/8“)*	093738
PV control cable M8 / 4-pol, 5 m	208311

*(consisting of collet chuck and union nut)

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