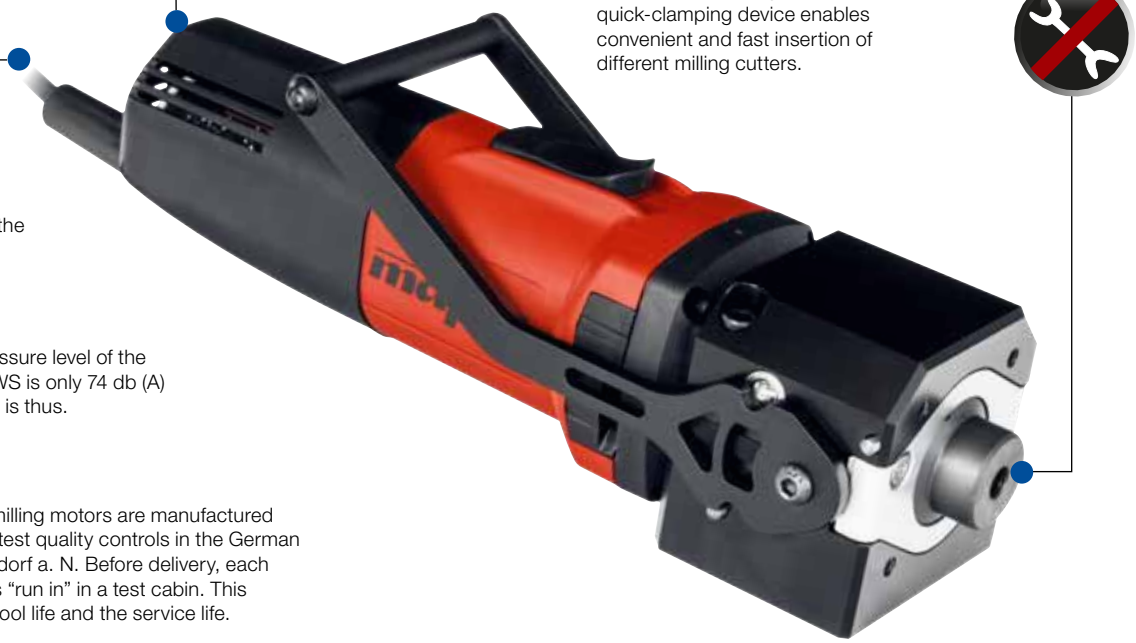
Milling motor

# FM 1000 NC-WS

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 the portal.



Highest concentricity due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.

The “patent-pending” tool-less quick-clamping device enables convenient and fast insertion of different milling cutters.

The sound pressure level of the FM 1000 NC-WS is only 74 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**
- **Tool-less quick-clamping device**
- **Made in Germany**
- **External portal interface**
- **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 NC-WS, 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.

Your MAFELL dealer - our sales partner:

## Technical data FM 1000 NC-WS

| | |
|---|---|
| Nominal power consumption | 1,000 W |
| Universal motor | 230 V / 50 Hz |
| Nominal idling speed | 4,000 – 25,000 rpm |
| NC-Portal connection | M8 / 4-pol. |
| Power supply in NC operation | 8 - 56 V |
| Portal control | 0 - 10 V |
| Portal mounting (drill holes) | 6 x M6 |
| Dimensions (L x W x H) | 280 x 92 x 85 mm (11.02 x 3.62 x 3.34 in.) |
| Tool holder | 8 mm (0.31 in.) |
| Sound pressure level db (A) | 74 db (A) |
| Weight | 2.8 kg (6.17 lbs) |

## Models

| | |
|---|---|
| **Milling motor FM 1000 NC-WS** | **9M0301** |

## Scope of supply

**1 Cable 075 + 4 m**
**1 NC-Portal control M8 / 4-pol, 5 m**

## Special accessories / tools

| | |
|---|---|
| **Adapter sleeve** (ground) 3 mm (0,118 in.) | **207944** |
| **Adapter sleeve** (ground) 1/8” (3.175 mm) | **207945** |
| **Adapter sleeve** (ground) 1/4” (6.35 mm) | **207947** |
| **Adapter sleeve** (ground) 4 mm (0.118 in.) | **207949** |
| **Adapter sleeve** (ground) 6 mm (0.236 in.) | **207946** |
| **Collet chuck adapter OZ 8 incl. union nut** | **208962** |
| **Collet chuck adapter ER 16 incl. union nut ER 16** | **208109** |

***n[max] = 16.000 rpm**

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