

**mafelli**



# Milling motors

FM 800 and FM 1000

# MAFELL milling motors FM 800 and FM 1000

## VARIABLE DIGITAL ELECTRONICS



The speed is continuously variable to suit just about any application. The digital electronics also take care of smooth starting, no-load speed reduction, constant speed under load and overload protection.

## TOP CLASS: MADE IN GERMANY

The MAFELL milling motors is produced in Oberndorf am Neckar and undergoes rigorous quality controls. Each machine is „broken in“ under lab conditions before shipping in order to maximize its service life.

Technical data	FM 1000	FM 800
Nominal power input	1,000 W	800 W
Nominal speed – no load	4,000 – 25,000 rpm	7,000 – 25,000 1/min
Clamping collar / chuck	43 mm / 6 mm	43 mm / 6 mm
Dimensions (L x H x W)	254 x 79 x 73 mm	254 x 79 x 73 mm
Noise level dB(A)	71	71
Weight	1.65 kg	1.60 kg
Ref. No.	9M0001	9M0010

Delivery scope	FM 1000	FM 800
	1 Universal chuck 6 mm 1 Open-ended spanner 1 Power lead 1 m 1 Collet nut	1 Universal chuck 6 mm 1 Open-ended spanner 1 Power lead 1 m 1 Collet nut

## Optional accessories

Collet nut	093729
Chuck 3 mm	093731
Chuck 4 mm	093732
Chuck 6 mm	093733
Chuck 8 mm	093734
Chuck 3,175 mm (1/8")	093735
Chuck 6,35 mm (1/4")	093736
Set of collets 3 mm*	093737
Set of collets 3,175 mm (1/8")*	093738

\*contains collet and collet nut

## Materials:

Wood, metal, plastics  
Foam, polystyrene, stone

## Fields of application:

Model/pattern and mold making  
Advertising  
Engraving, jewelry  
Electronics, Stone masonry

## For use with:

Portal milling machines  
Cutting tables  
Grinding rigs  
Flexible shafts

The MAFELL milling motors were developed and are made in Germany. Their high quality standard and clever details make the FM 800 and the FM 1000 the best possible workmate in their performance class.

**TOP CLASS:  
CONCENTRICITY**



The MAFELL milling motors compelling concentricity of  $< 0.05 \text{ mm}$  at a distance of  $25 \text{ mm}$  ( $< 0.01 \text{ mm}$  in the cone). Such exceptional precision is attributable to precise coordination of all the components. In addition, the armature and spindle are produced in one piece and balanced.

**TOP CLASS:  
LABYRINTH SEAL**



Protects the spindle and bearing against minute particles, dust and chips.

**SPINDLE LOCK**



For simpler and more convenient tool changes, the spindle can be locked at the push of a button.

**WIN-BEARING SPINDLE**

To absorb thrust as effectively as possible, an enclosed duplex ball bearing is used.

**UNIVERSAL  
CHUCK**

The universal chuck accommodates standard tools.



Here at MAFELL, we often adopt a new approach in our quest to develop better machines. We take a fresh look and reconsider the crucial aspects of the tool concerned. And we always give due consideration to the future needs of the woodworking trades.

Time and again, together with outstanding material and build quality, our strategy spawns astounding solutions. We thus continuously enhance functionality and user-friendliness, for example. We strive to ensure that, while you are working, you no longer need to give the tool a second thought. Simply because MAFELL has already done the thinking for you. You focus on your job – and as far as everything else is concerned:

Follow your instinct.

Your MAFELL authorized dealer: