PROXXON

PROXXON MICROMOT System

Small but excellent: the accurate milling machine for lab technicians, opticians, jewellers, electricians/model builders. Made in Europe.

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MICRO Milling machine MF 70

The accurate milling machine for delicate projects. Spindle speeds 5,000 - 20,000rpm. For work with extremely small cutters.

Stable grey-cast iron machine base, vertical guide and compound table. Free from play, readjustable dovetail gib in all axes. Die-cast aluminium arm housing, with 24-pin special motor (balanced). For vibration-free work at high speeds.

The triple slit, hardened steel MICROMOT collets cover 1 - 1.5 - 2 - 2.35 - 3 - 3.2mm. The table is fitted with 3 T-slots of the 12 x 6 x 5mm MICROMOT norm. An adjustable ruler scale eases the positioning of the workpiece.

Technical data:
230V, 100W, 50/60Hz. Spindle speeds 5,000 - 20,000rpm. Table 200 x 70mm with X-Y travel of 134 and 46mm respectively, with vertical travel 80mm. Footprint size 130 x 225mm and overall height 370mm. Weight approx. 7kg. The clamping blocks depicted are included too, but not the workpiece!

NO 27 110

See us on YouTube!

Note:
MICRO Milling machine MF 70 is also available as CNC-ready version (NO 27 112).

1. Handwheels with zero adjustable scales,
1 revolution = 1mm,
1 division = 0.05mm.
2. Continuously variable speed from 5,000 - 20,000rpm, perfect for even the smallest milling cutter.
3. Cutter clamping in MICROMOT system collets.
4. Table of stable aluminium. Both axes are fitted with adjustable dovetail slides.
5. MICROMOT steel collets, triple slit and hardened, from 1 to 3.2mm.
6. Stable cast iron base.
7. Supplied complete with stepped clamp blocks of steel.

Video MF 70

Tungsten milling cutters
With two flute cutters and fishtail profile (cutting to the centre). Enables lowering into non-bored work pieces. For grey-cast iron, hardened cast iron, steel, cast steel, brass, aluminium, glass, plastic and carbon fibre. One piece each 1 - 2 and 3mm. Shaft diameter 3mm.

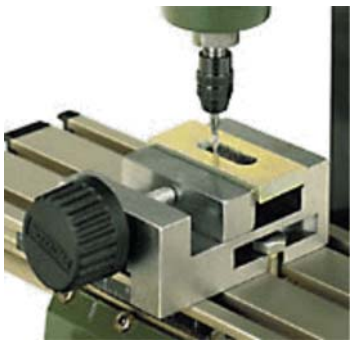
NO 27 116 3 pieces

Tungsten milling cutters, separately
See description above.

NO 28 758 Ø 1mm
NO 28 759 Ø 2mm
NO 28 761 Ø 3mm

Precision steel vice PM 40
Milled from steel for precision. Completely angular. Jaw width 46mm, clamping capacity 34mm. Total length 70mm. Especially suited for filigree and accurate working with the MICRO Milling machine MF 70 or the MICRO compound table KT 70. Sliding blocks and fixing screws included. Comes in a wooden box.

NO 24 260



Dividing head for MICRO Milling machine MF 70 and MICRO compound table KT 70
For machining circular work pieces, manufacturing off-set holes and milled out portions, milling key surfaces, four-sided, sixsided materials, etc. Absolute accurate division due to nonius at the base body. With reversed chuck jaws: Capacity inside 1.5 to 32mm, outside 12 to 65mm. Bore of 11mm (for processing longer spindles in a vertical position). With fastening bores for horizontal and vertical mounting and suitable slot nuts and fastening screws for mounting to the MICRO Milling machine MF 70 and the MICRO compound table KT 70. Size 72 x 64 x 38mm. In wooden box with sliding lid.

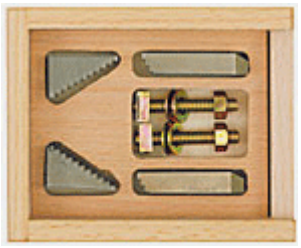
NO 24 264

Machine vice MS 4
Die-cast zinc. With three machined sides. The slot fits the adjustable fence of the drill stand MB 140/S and bench drill TBM 220. Horizontal and vertical V-slots in jaw. Jaw width 50mm and height 10mm. Maximum clamping width 34mm.

NO 28 132

Step clamps made of steel
The step clamps set is supplied with the KT 70, but can also be ordered separately. Set consists of 2 stepped blocks and clamping jaws threaded bolts, screw nuts and slot nuts of the MICROMOT standard. For work pieces up to 20mm thickness. This set also fits the mill/lathe systems PD 250/E and PD 400.

NO 24 256



14-piece parallel supports set
Ground in pairs For adjusting work on drilling machines, lathes and milling machines. Made of high-alloy, hardened steel (58 - 62 HRC). Parallel accuracy 0.02mm. 2 each of 8 x 10, 15, 20, 25, 30, 35 and 40mm. Length 100mm. Packed in a wooden box.

NO 24 266