PROXXON MICROMOT System

Expandable lathe/milling system made in Europe.
Visible and tangible constant precision.

Lathe PD 230/E

Usable on materials such as steel, brass and aluminium and plastic. Complete with automatic feed, thread cutting capability, headstock chuck, live centre and top slide for taper turning. Used to part, machine stock and cut tapers. The numerous optional accessories allow one to drill, mill and slot.

Technical data:
Centre distance of 230mm, swing 52mm. Height over cross slide 28mm. Cross slide travel 60mm and top slide 45mm. Steel tool holder accepts 8 x 8mm cutters. The MK1 (short) spindle has a 10.5mm bore. It runs in precision ball bearings, yielding an accuracy of 0.01mm with-out chuck. The thread cutting capability covers the most important pitches of 0.5 – 0.625 – 0.7 – 0.75 – 0.8 – 1.0 – 1.25 and 1.5mm. Spindle speeds are changed by means of a belt and offers 300, 900 and 3,000rpm.

The electronic speed control further extends the speed range down from 100rpm (which is important when cutting threads) to 3,000rpm. The automatic feed offers 0.05 or 0.1mm per revolution. The tailstock spindle has a MK1 (short) bore and 30mm travel. The quiet 220 - 240V motor is fitted with a forward/reverse switch. The three jaw chuck offers 2 – 35mm capacity (internal jaws) and 24 – 68mm (external jaws). The handwheels are fitted with zero adjustable scales. One revolution equals 1mm feed (40 divisions) and hence 0.025mm/division. Weight approx. 10kg and dimensions approx. 530 x 250 x 150mm.

NO 24 004

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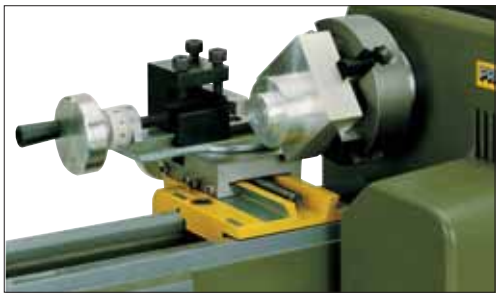
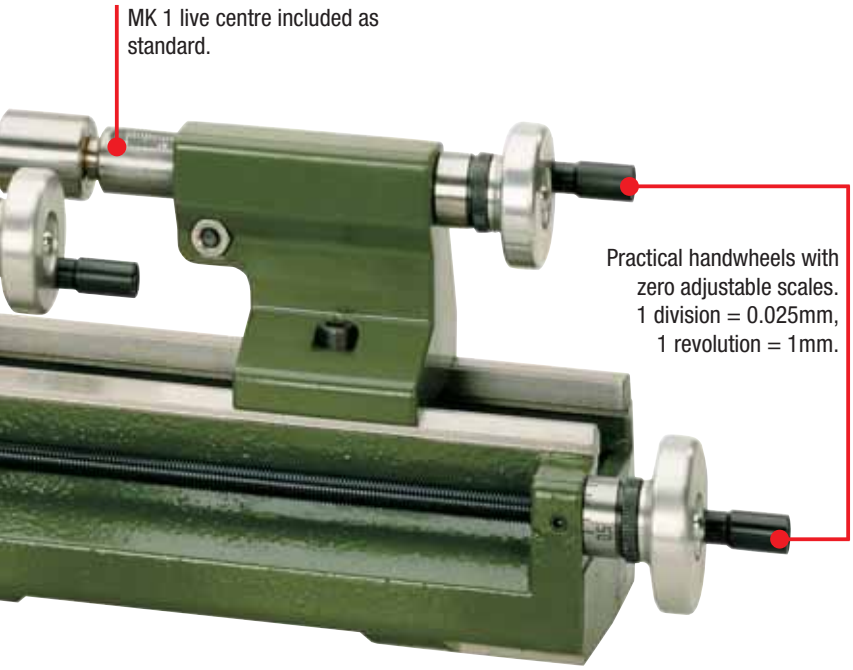
Accessories for the lathe PD 230/E (also compatible with its predecessor PD 210).

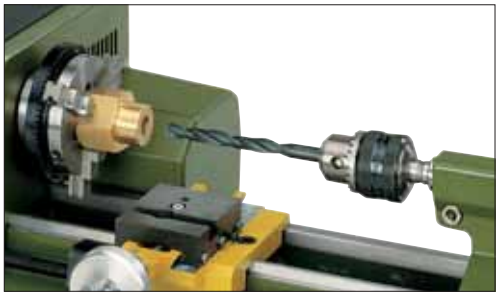
Collet set covering 2.0 – 10mm for concentric accuracy better than 0.02mm.
For accurate use on round com-ponents. The col-lets are mounted in the place of the headstock chuck. Eight collets (one each 2.0 - 2.5 - 3.0 - 4.0 - 5.0 - 6.0 - 8.0 and 10mm) are included.
Supplied in a wooden box with sliding lid.
NO 24 042



Four jaw chuck. The 4 jaws are adjusted independently, thus clamping unsymmetrical pieces, ovals, squares and odd-shaped work pieces. Capacity of 80mm.
NO 24 030

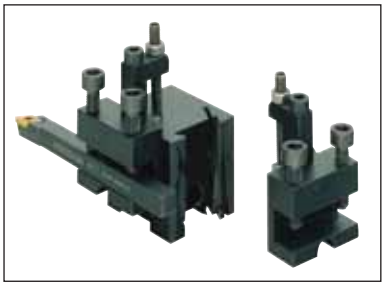
Centre turning attachment. Used for highest accuracy with high rotational precision.
One face plate, 2 fixed MK 1 (short) centres and 1 drive dog are included. Supplied in wooden box with sliding lid.
NO 24 070





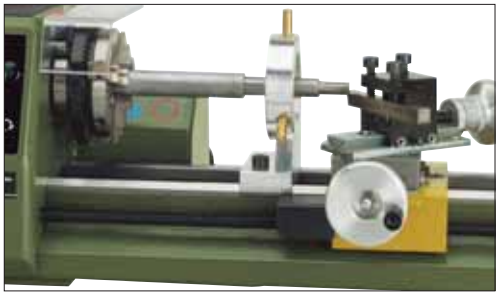
Gear chuck
Capacity to 10mm, with key and MK1, for tailstock.
NO 24 020

As above, but with 10mm arbor. for mill/drill unit.
NO 24 110



Quick change tool post for PD 230/E
Easy to use!
Enables quick tool changes and easy height adjustments. Including 2 tool holders for lathe tools up to 10 x 10mm.
NO 24 022

Additional quick change tool holder (separately)
Can be used with the above mentioned quick change tool post.
NO 24 024 piece



Fixed steady
Used when turning long, slender pieces, capacity up to 40mm (Ø). Also used when the tailstock cannot be utilised.

NO 24 080