PROXXON

# Tools with character!

## New products 2024

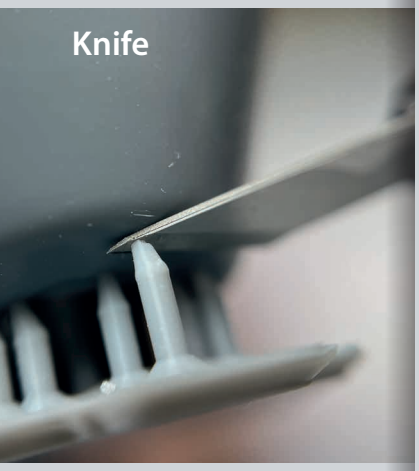
PROXXON
MICROMOT
System

*Ultrasonic technology – next level cutting!*

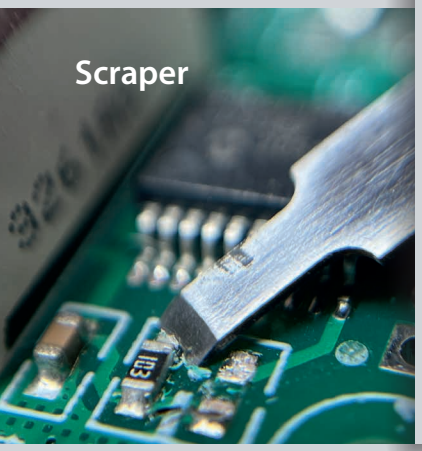
# *MICRO-Sonic Cutter MSC*

- *Fast, effortless and with high precision – straight or curved!*
- *For dust-free cutting of fibre materials such as carbon.*
- *Ideal for processing 3D printed parts.*

Design Patent


Knife

Saw


Scraper

***Ultrasonic technology:***
***Extremely sharp blades swing at 38,000 times per second.***

Easily cuts plastics, fibre composites (CFRP, GFRP), 3D printing (filaments and resin), foils, cardboard, MDF, epoxy resin, leather and much more.
Ergonomically shaped handpiece with soft components in the grip area. Titanium sonotrode triggered by piezo crystal sets the blade into an invisible motion. This enables smooth and effortless precision cuts with clean cutting edges.
Base unit with storage tray for handpiece and spare blades. Complete with mains adapter, collet and 40 knifes in a practical storage box.

**Technical data:**
230V. 50/60Hz. Handpiece: Frequency 38 kHz. Weight 80g. Length 115mm.
**NO 27 300**

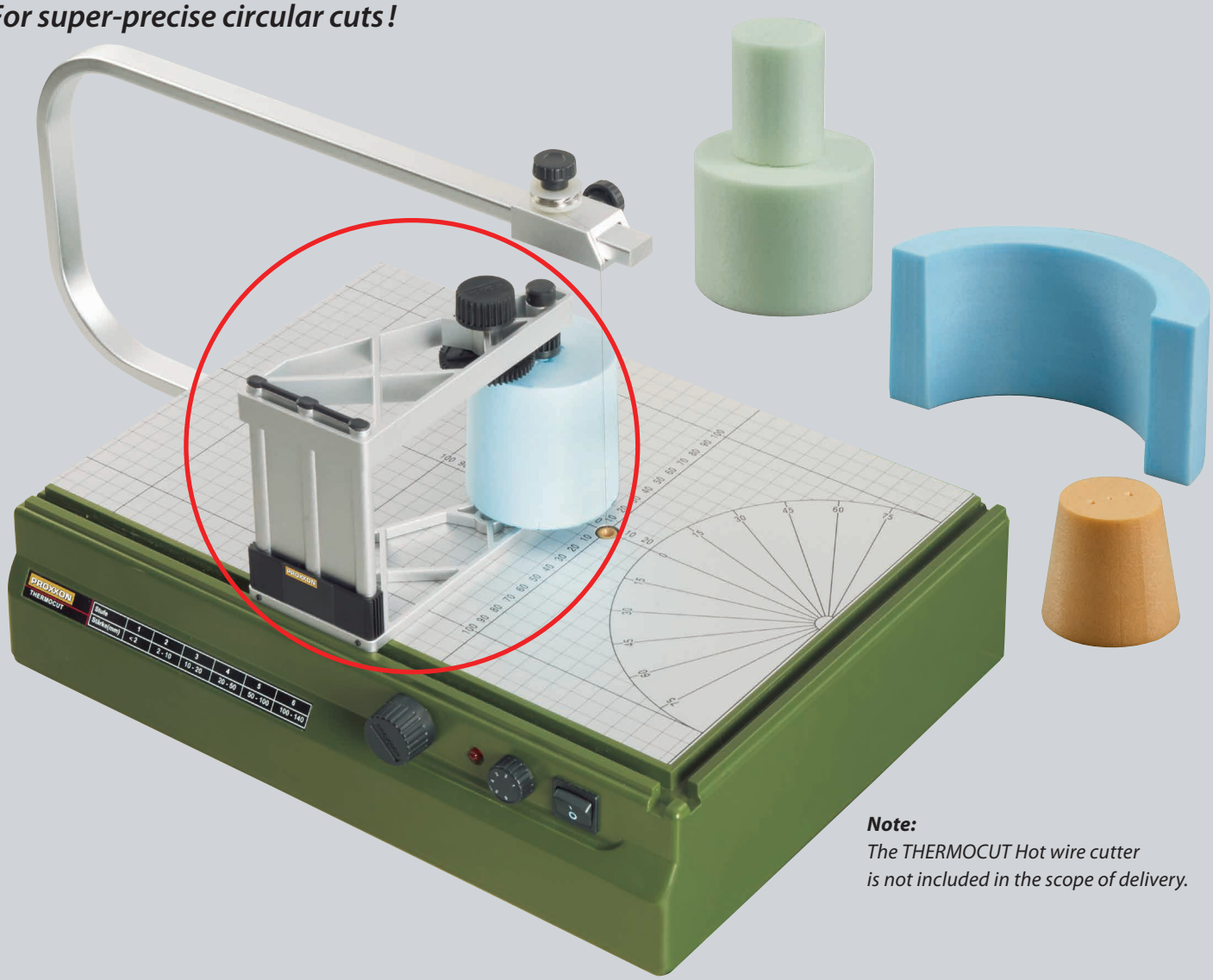
*Knife*
For cutting the above-mentioned materials.
**NO 27 302** 30 pieces in storage box

*Saw*
For cutting brittle materials such as 3D printed parts, plaster and wood.
**NO 27 306** 2 pieces

*Scraper*
For cleaning surfaces and solder joints, removing electronic components from circuit boards.
**NO 27 304** 2 pieces

# *Useful add-on for the Hot wire cutter THERMOCUT 230/E*

## *THERMOCUT circle cutter TKS 360*
## *For super-precise circular cuts !*

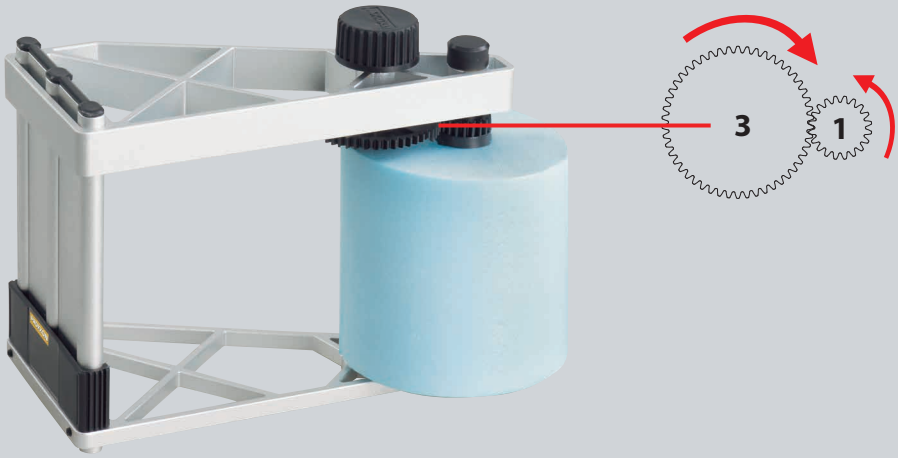



***Note:***
*The THERMOCUT Hot wire cutter is not included in the scope of delivery.*

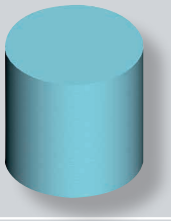
***Enables the precise production of cylinders and cut-off cones with high repeat accuracy.***

Solid construction made of aluminium (anodised). Stepless, tool-free height adjustment. Generous feed gear ratio (1:3) for comfortable cutting without having to reach around the rotary knob. Simple pre-selection of the desired workpiece diameter by moving the device in the table groove. Ergonomic handle for a secure grip during operation.

**NO 27 076**

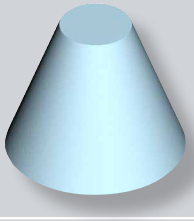



***Possible dimensions cylinders***



| | | |
|---|---|---|
| $Ø_{min}$ | = | 20mm |
| $Ø_{max}$ | = | 250mm |
| $h_{max}$ | = | 80mm |

***Possible dimensions frustums***



| | | |
|---|---|---|
| $Ø_{min}$ | = | 22mm |
| $Ø_{max}$ | = | 250mm |
| $h_{max}$ | = | 80mm |

## *Convenient handling – second to none. Made in Europe.*

### *MICROMOT 60/EF with mains adapter and 43 industrial quality bits and cutters*

***With keyless chuck. Practical when working with different shaft diameters.***

Special balanced DC-motor, quiet and long-lasting. Ground ball bearing spindle. Infinitely variable electronic speed control for speeds between 5,000 – 20,000rpm.

**Technical data:**

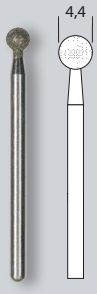
12 – 18V. 40W. 5,000 – 20,000rpm. Length 220mm. Weight 230g.

**With 43 industrial quality bits and cutters:**

10 HSS spiral drills similar to DIN 338. Ø 0.3 – 0.5 – 0.8 – 1 – 1.2 – 1.5 – 2 – 2.5 – 3 – 3.2, 1 round grinding pin, 1 cylinder grinding pin, 5 abrasive bands, support for abrasive bands, shaft diameter Ø 3.2mm, 1 sanding disc Ø 22mm (pink colour) of high-grade corundum, 1 sanding disc Ø 22mm (grey) of silicon carbide, 1 polishing disc for acrylic glass and Plexiglas, 1 brass brush, 20 corundum cutting discs, 1 clamping arbor. Packed in a compact and solid plastic case.

**NO 28 514**

***Diamond grinding bit in spherical shape***




With consistently even diamond dust coating.
Body and shaft made from stainless steel.
Used for grinding, engraving and chiselling steel (even chrome-cobalt alloy), glass, ceramics, porcelain and plastics.
Shaft Ø 2.35mm.

**NO 28 226** 2 pieces

*Overview of all devices of the MICROMOT 60 series*

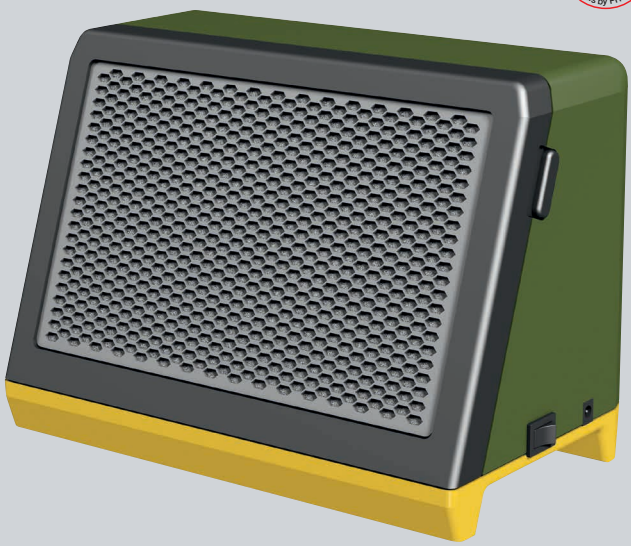
## *Highly efficient dry vacuum technology: silent and energy-saving!*

PROXXON MICROMOT System

## *Extraction Unit ASA*

***Powerful fan for effective air flow.***
***Also for indoor air purification.***

DM/059809 Design Patent All rights by PROXXON



Efficient filtration of dust, chips, vapours and smoke as well as pollen, bacteria, viruses, spores and odours. Fleece filter for separating coarse particles. High-quality filter unit according to class HEPA 13. Easy filter change.

**Technical data:**
230V. 50/60Hz.
**NO 27 520**

***Filter unit***

According to filter class HEPA 13 with filtration efficiency > 99.95 %.
**NO 27 522** 1 piece

***Fleece filter***

**NO 27 524** 2 pieces

## *Automatic workshop vacuum-cleaner WSA*

***Switchable automatic mode for direct connection of power tools up to 1,800W.***
***With 5-second follow-up time.***

DM/556412 Design Patent All rights by PROXXON

Large (foot-) switch for convenient operation. With electronic power control. High-quality fleece filter bags according to filter class HEPA 13 with filtration efficiency > 99.95 %. Always tidy: Six slots for accessories and lockable cable hook for mains cable. The vac lid with motor unit can be removed for easy emptying of the container.
Complete with antistatic suction hose, two aluminium suction tubes, floor nozzle, crevice nozzle with brush ring, filter basket, fleece filter bag and suction adapter for PROXXON devices (can also be clamped in a vice).

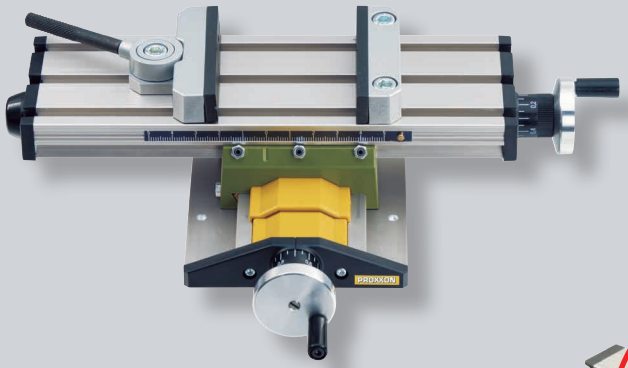
**Technical data:**
230V. 50/60Hz. Maximum pressure difference 210mbar. 700W. For power tools up to 1,800W. Weight 4.3kg. Protective insulation as per class 1. Capacity of the container 11l.

**NO 27 500**

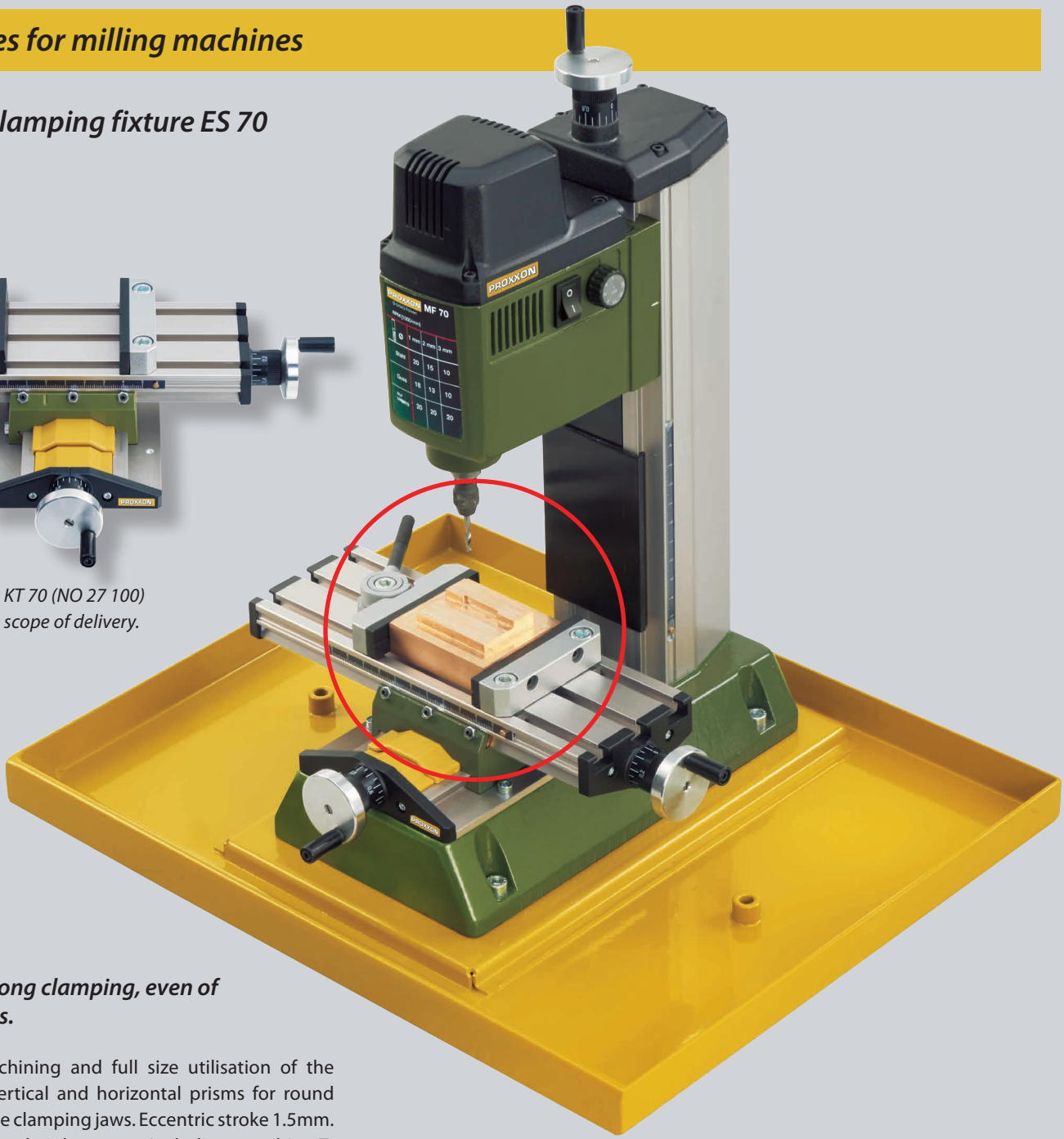
***Fleece filter bags***
According to filter class HEPA 13 with filtration efficiency > 99.95 %.
**NO 27 502** 5 pieces

# Accessories for milling machines

## Eccentric clamping fixture ES 70



*The compound table KT 70 (NO 27 100) is not included in the scope of delivery.*




***For quick and strong clamping, even of larger workpieces.***

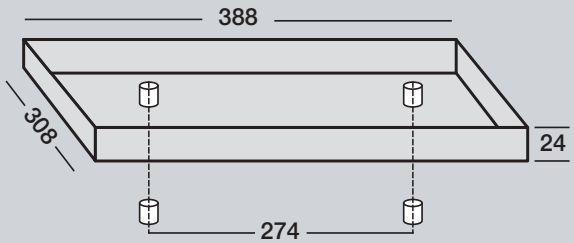
Ideal for series machining and full size utilisation of the compound table. Vertical and horizontal prisms for round material. Replaceable clamping jaws. Eccentric stroke 1.5mm. Jaw width 70mm. Jaw height 15mm. Including matching T-nuts and screws. For compound tables KT 70 and KT 230.

**NO 24 270**

## Chip and drip collecting tray. For milling machines MF 70, FF 230 and FF 250/BL.

Made of 1.5mm thick sheet steel, powder-coated. Secure stand due to drill holes (hole centre distance 274mm) for fastening to a work surface (the use of steel sleeves keeps the tray tightly sealed).
Measurements: L 388, W 308, H 24mm.

**NO 24 116**




**PROXXON GmbH • Industriepark Region Trier • Dieselstraße 3 - 7 DE-54343 Föhren**
**Telefon 0 65 02 - 93 17 - 0 • E-Mail: office@proxxon.com • www.proxxon.com**

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