

PROXXON

PROXXON
MICROMOT
System



Tools with character!

New products 2018



Three new battery-powered tools made in Europe. For professional use. Slim, powerful tools to get your hands on!

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10,8
VOLT

- High-quality 10.8V lithium-ion battery with 2.6Ah for a performance comparable to that of our corded tools.
- One battery charge will hold up at least 30 minutes even at maximum power use. No other cordless machine in this power class will do more!
- Gear heads of die-cast aluminium. Main housing of glass-fibre reinforced POLYAMIDE with soft component in grip area.
- All tools with special and balanced DC-motor. Powerful, quiet and long-lasting.



Note:
All battery-powered tools including suitable accessories come safely packaged in a practical, attractive and super-sturdy plastic case made of high-quality PP. A product label on the side of the box clearly marks its contents.

Battery-powered angle polisher WP/A

The mobile version of our already proven corded tool for more flexibility when polishing or cleaning, in rust removal and adding the "finishing touches" after varnishing. With continuously variable electronic speed control for constant speeds even under high grinding pressure. Set includes lithium-ion battery Li/A (10.8V) and rapid battery charger LG/A as well as plenty of accessories such as: rubber backing disc with hook and loop fastening, polishing sponge (medium hard), lambswool polishing disc, polishing felt (medium hard) for metal and non-ferrous metal, 12 sanding discs (grit 2000) and NIGRIN polishing emulsion (75ml) as well as a microfibre cloth.

Technical data:

10.8V DC. Spindle speeds 1,100 - 2,600rpm. Length 305mm. Weight 950g (including battery).
NO 29 820

Battery-powered angle polisher WP/A

Including accessories as described above, but without battery and rapid charger. Packaged in cardboard box.

NO 29 822

Note:

You will find further accessories for the WP/A in our MICROMOT catalogue on page 13.

Battery-powered tube belt sander RBS/A

For grinding and satin-finishing in places difficult to reach using „regular“ power tools. For perfect surfaces without time-consuming refinishing by hand. Also ideal for pipe fitting and structural VA-steelwork.

With continuously variable electronic speed control for constant speed even under high grinding pressure. The head can be angled by up to 60° at the push of a button. Suction connection with vacuum cleaner adapter permits clean working. Complete with four abrasive belts (2 x grit 180, 2 x grit 280) and two satin-finishing belts. Set includes lithium-ion battery Li/A (10.8V) and rapid battery charger LG/A.

Technical data:

10.8V DC. Abrasive belt 10 x 330mm. Usable grinding area approx. 10 x 50mm and 10 x 70mm. Belt speed 200 - 700m/min. Weight approx. 900g (including battery).

NO 29 830

Battery-powered tube belt sander RBS/A

Including accessories, as described above, but without battery and rapid charger. Packaged in cardboard box.

NO 29 832

Replacement satin-finishing belt for RBS/A

On tear-resistant, woven backing. For grinding and satin-finishing of metal, non-ferrous metal and especially stainless steel. 10 x 330mm.

NO 28 576 240 grit, 4 pcs.

Note:

You will find more abrasive belts for the RBS/A in our MICROMOT catalogue on page 9 (here for belt sander BS/E).

Battery-powered cylinder sander WAS/A

For perfect surface fine-finishing even where space is tight. For grinding, brushing, satin-finishing as well as cleaning of steel, non-ferrous metal and especially stainless steel.

Compact grinding mop cylinder (Ø 50 x 30mm). Continuously variable electronic speed control for constant speed even at high grinding pressure. Set includes lithium-ion battery Li/A (10.8V) and rapid battery charger LG/A. With satin-finishing cylinder "medium" and one each grinding mop cylinder 120 grit and 240 grit.

Technical data:

10.8V DC. Satin-finishing and grinding mop cylinder Ø 50mm, width 30mm. Spindle speeds 1,100 - 2,600rpm. Length 305mm. Weight approx. 1,000g (including battery).

NO 29 825

Battery-powered cylinder sander WAS/A

Including accessories as described above, but without battery and rapid charger. Packaged in cardboard box.

NO 29 827

Note:

You will find a detailed description of both grinding mop cylinder and satin-finishing cylinder on page 4.

The MICROMOT lithium-ion battery system: One battery and one rapid charger only for now already six professional tools:

Rapid battery charger LG/A

Charges the Li/A battery in one hour. With integrated temperature control. LED status indicator: Yellow = charging, Green = charged.

Technical data:

Input 100 – 240V. 50/60Hz. Output 12.6V, 2A. Weight 340g.

NO 29 890

Li-ion battery Li/A

The persistent power source for now six different MICROMOT battery-powered tools. With integrated temperature control.

Technical data:

10.8V. 2.6Ah. Length 85mm. Weight 180g.

NO 29 898

Six power tools – one system!



Cylinder sander WAS/E. For mains operation.

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230
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DM 177500
Design Patent
Protected by PROXXON



WAS/E

Planetary gear in die-cast aluminium housing. Continuously variable speed control (full-wave electronics) for low and constant speeds even under high grinding pressure. With start-up equipment for immediate use: one satin-finishing cylinder "medium" and each one grinding mop cylinder 120 grit and 240 grit are included in the scope of delivery.

Technical data:
230V. 50/60Hz. 100W. Spindle speeds 800 – 2,800/min. Length 270mm. Weight 900g. Insulated to class 2.

NO 28 560

Grinding mop cylinder for cylinder sanders WAS/E and WAS/A



For cleaning, grinding and stock removal on flat surfaces. Flapwheels of standard corundum are elastic and adapt to the contours of the work piece. For reaching also hard-to-access areas. Ø 50mm, width 30mm.

NO 28 562 120 grit, 2 pcs.
NO 28 563 240 grit, 2 pcs.

Satin-finishing cylinder (fleece) for cylinder sanders WAS/E and WAS/A



For cleaning, matting and satin-finishing of metal, non-ferrous metal and especially stainless steel. Ø 50mm, width 30mm.

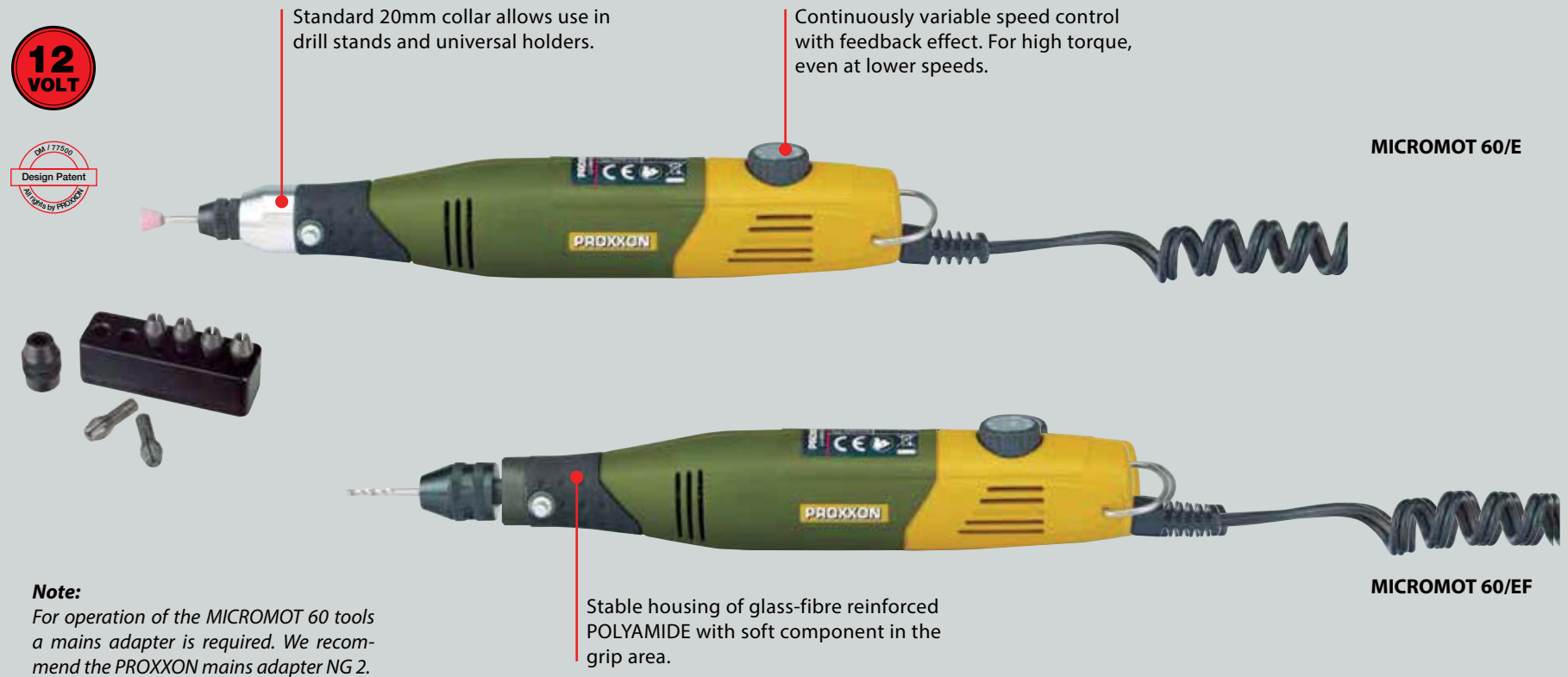
NO 28 565 medium, 2 pcs.

The new MICROMOT 60. The 4th generation of a tool tried and tested 1 million times over.

- For drilling, milling, grinding, polishing, brushing, cutting and engraving. For working steel, precious metals, glass, ceramics, plastics and precious stones.

12
VOLT

DM 177500
Design Patent
Protected by PROXXON



Note:
For operation of the MICROMOT 60 tools a mains adapter is required. We recommend the PROXXON mains adapter NG 2.

With a diameter of only 35mm and its low weight (230g) it offers convenient handling second to none in its class. The balanced motor effortlessly drives the ground ball bearing spindle allowing for a quiet run with a pleasant sound. High-quality MICROMOT steel collets ensure accurate clamping of even the smallest cutters, without rattling or vibrating of bits and cutters.

Mill/drill unit MICROMOT 60/E

With variable electronic speed control for high torque, even at lower speeds. Tool holder for use of MICROMOT steel collets (1 each of 1 – 1.5 – 2 – 2.4 – 3 and 3.2mm).

Technical data:
Direct voltage 12 – 18V. 40W. 5,000 – 20,000rpm. Length 220mm. Weight 230g.

NO 28 510

Mill/drill unit MICROMOT 60

Without electronic speed control (continuously 20,000rpm). Other technical specifications and design same as the MICROMOT 60/E described above.

NO 28 500

Mill/drill unit MICROMOT 60/EF

With keyless chuck for shanks from 0.3 – 3.2mm. Particularly beneficial when working with bits and cutters of various shank diameters, e.g. HSS drill bits. Tool can also be used with MICROMOT steel collets.

Other technical specifications and design same as the MICROMOT 60/E described on the left.

NO 28 512

Note:
MICROMOT steel collets are hardened and thus have a high, consistent flexibility. ① They also maintain prolonged accuracy, even after regular use (these collets should not be compared with unhardened, four-slit collets of brass and aluminium). The triple slit collet is substantially more difficult to manufacture than the four-slit type, ② but offers a better load-bearing surface. This is especially important for ③ cutters with small shaft diameters.



Hot wire cutter THERMOCUT 650

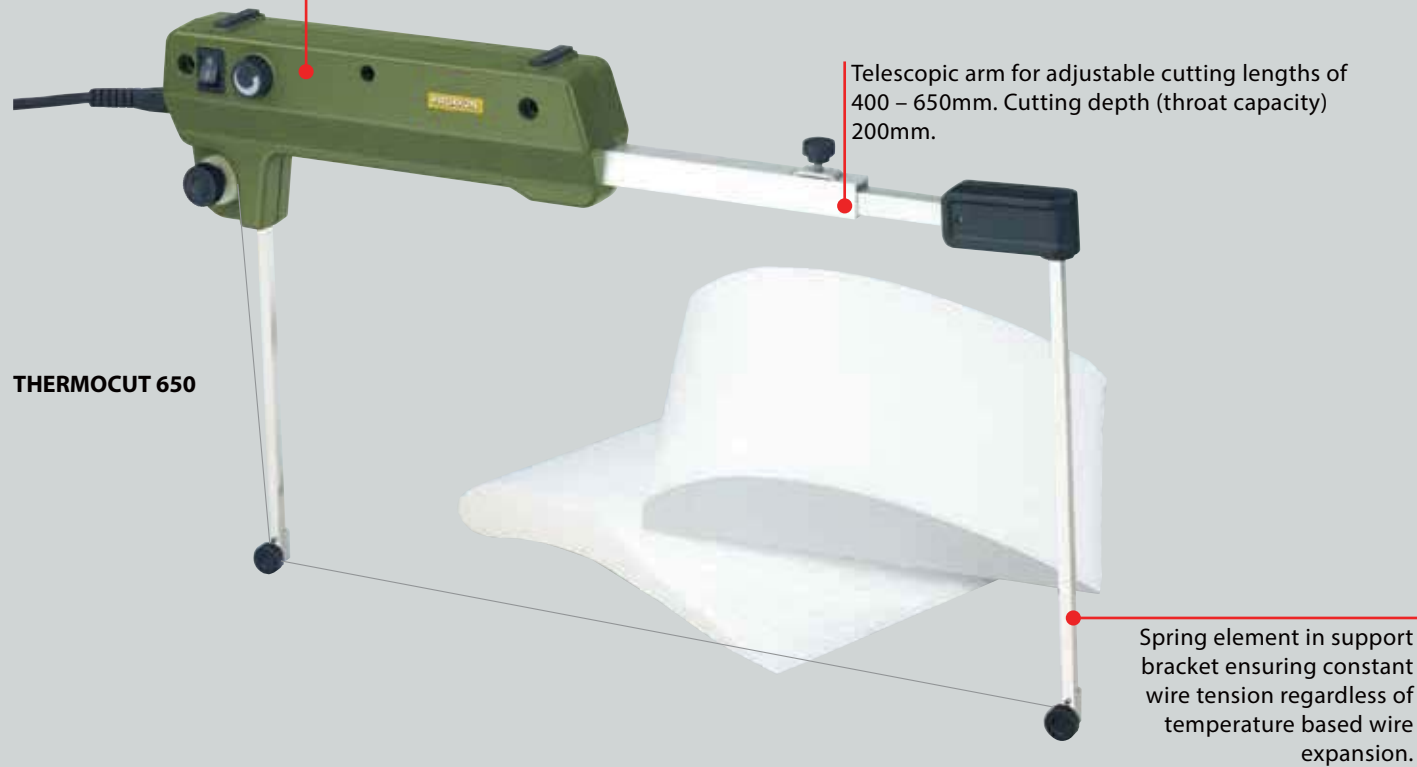
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- Flexibility in cutting styrofoam board.
- No „crumbling“ as when working with knife or saw.



Switching power supply for 230V connection. Insulated to Class 2. The heating element is operated with a safety voltage of max. 40V and 1.2A. Ultimate safety!

Telescopic arm for adjustable cutting lengths of 400 – 650mm. Cutting depth (throat capacity) 200mm.



THERMOCUT 650

Spring element in support bracket ensuring constant wire tension regardless of temperature based wire expansion.

Note:

For cutting styrofoam or hard foam hot wire cutters are vastly superior to other tools such as knives or saws. Most important is to select the right temperature depending on material and thickness. With a bit of patience and practice anyone can do this! Most precise cutting results are usually achieved at medium temperatures and moderate pressure.

For architects, designers, artists, in prototype construction, insulation work and, not least, for classical model building (railroads, airplanes, boats).

For cutting styrofoam, hard foam, polyurethane, PU foam and thermo-plastic materials. Adjustable cutting length of 400 - 650mm. Cutting depth (throat capacity) 200mm. Depending on the material the cutting

wire temperature is pre-selected using the practical control knob and remains stable while working. The spring seated outer bracket compensates heat related wire expansion, ensuring constant wire tension. Supporting surface with lateral bore for fixing a screw clamp to allow for stationary use. Especially beneficial for example when cutting larger styrofoam pieces or standard styrofoam boards (usually 100 x 50cm). A screw clamp and a spool with 30m of cutting wire Ø 0.2mm are included in the scope of delivery.

Technical data:

230V. 50/60Hz. 60W. Secondary voltage max. 40V, 1.2A. Cutting temperature of wire Ø 0.2mm continuously variable from 100 – 350 °C. Weight 850g. Insulated to Class 2.

NO 27 084

Replacement cutting wire

for THERMOCUT 650, THERMOCUT 230/E and other similar hot wire cutters. Made of NiCr 8020. Spool of 30m x 0.2mm.

NO 28 080



Flat support surface and lateral bore to fix a screw clamp allow also stationary use. Practical when cutting standard styrofoam boards (100 x 50cm).

Automatic universal axial feed AV/E

- For even milling with automatic feed. Switchable to manual operation.
- For the X axis of the Miller FF 500/BL. Will also fit the predecessor compound table KT 400 and the Miller FF 400.



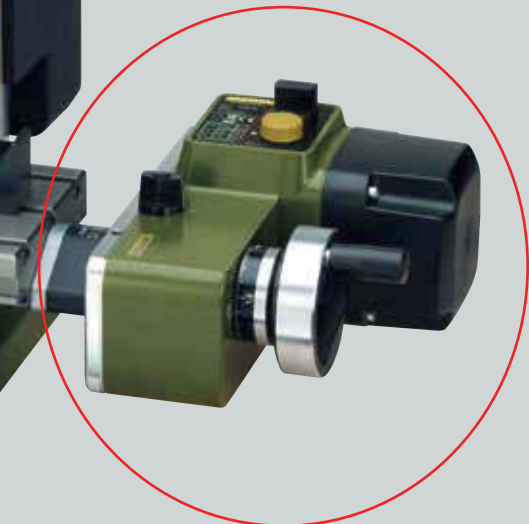
Simple assembly: The unit is mounted to the compound table with two bolts and automatically drives the spindle of the X-axis. For manual operation the handwheel needs to be mounted on the spindle of the drive-axis.

Balanced special DC motor with electronic speed control (full-wave electronics). Manual drive with freewheeling function and two speed levels: Stage 1 for common machining (20 – 75mm/min). Stage 2: for machining at higher speed or quick adjustment of the X axis (90 – 260mm/min). Freewheeling function for manual operation by handwheel.

Technical data:

230V. 100W. 50/60Hz. Spindle speeds 10 – 130rpm. Dimensions: H 120, W 170, D 210mm. Weight 3.5kg. Insulated to Class 1.

NO 24 326



AV/E

Scroll saw band, extremely narrow (1.3mm), for extremely tight radii



Turns the MICRO Bandsaw MBS 240/E into a scroll saw. Made of tempered special steel. With crimped and offset toothing (10 teeth per inch). For all types of wood, plastics and non-ferrous metals.

NO 28 182 1,065 x 1.3 x 0.44mm



Circular saw blade made of high-alloy special steel (HSS). Ø 80mm (10mm bore). 1.1mm thick.



With a high content in tungsten, vanadium and molybdenum for an even structure, high hardness and long service life. Extremely fine-toothed (250teeth). For very fine

cuts in non-ferrous metals (aluminium, brass, copper). Also suitable for cutting laminated materials such as circuit boards and for sawing wood and plastics.

NO 28 730





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