

FLEXICUT 3



CUTTING

FLEXICUT 3
Ref. 51811

FLEXICUT 3

MICRO CUTTING MACHINE DEDICATED TO PCB AND FLAT SAMPLES

The Flexicut 3 is a compact micro-cutting machine designed for cutting printed circuit boards (PCBs) and flat samples. Versatile and adaptable, it offers three cutting modes, allowing precise adjustment to the material being cut and the intended result.

Safety

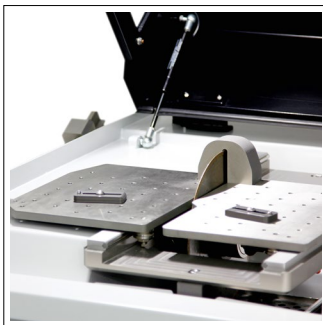
- Mechanically locked hood during cutting.
- Braked wheel stop.
- Emergency stop button.

Robustness and visibility

Metal frame with PETG protective window.

Practical

- Wide selection of sample holders.
- Easy retrieval of cut parts.
- 3 cutting modes: manual, gravity-fed, or using a longitudinal moving table.



Brushless motor

High and constant torque with a rotational speed range from 100 to 4,000 RPM.

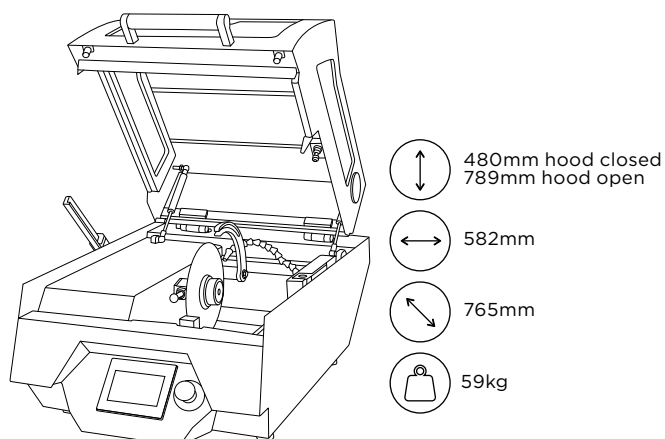


FEATURES FLEXICUT 3



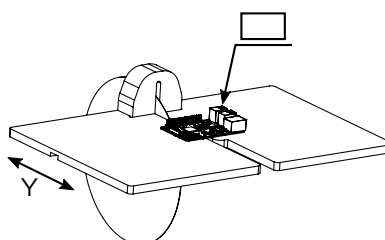
HOOD	
Type	PETG enclosure with metal hinges
Safety	Mechanical locking of the hood during cutting Braked stopping of the cut-off wheel Zero speed check before unlocking the hood
Fumes extraction outlet	Ø 45mm
MOTORISATION - POWER SUPPLY	
Power	960W
Motor	Brushless, controlled by regulation board
Power supply	110 - 230V - Single phase - 50/60Hz
CUT-OFF WHEELS	
Type of cut-off wheels	Resin bonded and metal bonded
Cut-off wheel size range	from Ø75 to Ø200mm
Rotation speed	from 100 to 4000 RPM
Arbor size	12.7mm
CONTROL	
Control Interface	Color touch control screen 4.3" 16/9
Security Access	Can be activated
CUTTING	
Cutting method	Manual or by gravity (Weight/counter-Weight)
Type of table movement	Moving table option (Y axis) for PCB sectioning
Y axis range	230mm
X axis range	100mm X-axis movement of the sample carrier arm
Table dimensions	385x250mm
Table material	Bead-blasted stainless steel
Holders	Sample carrier arm will accept a wide variety of holders
LUBRICATION - COOLING	
Pump & Tank	Integrated - Capacity 4.5L
Type of lubrication	Recirculating pump or drag feed
Method of directing pumped	A single alignable nozzle
Type of filtration	100µm filter
ERGONOMICS	
Spray nozzle for cleaning	Integrated
Cut off wheel replacement	Spindle locking system for wheel replacement Optional tool-free wheel replacement

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CUTTING CAPACITY*

- 0 - 230mm
- Ø 150: 200x200x14mm
- Ø 180: 200x180x29mm
- Ø 200: 200x170x39mm



* This cutting diagram has been designed for informational purposes. It represents the theoretical maximum cutting capacity. The described cutting capacities can be increased depending on the materials, the cutting frequency and selected flanges.

ACCESSORIES

SAMPLE HOLDERS



V shaped sample chuck
Réf. 51715



Vice chuck for longitudinal cuts
Réf. 51717



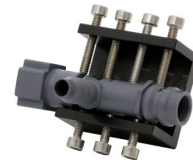
Orientable chuck
(To be used with aluminium plates Ref. 51162 and 51163)
Réf. 51156



Chuck for small samples (vice typ)
Réf. 51713



Chuck for cylindrical samples
Réf. 51714



Chuck for irregular shape samples
Réf. 51716



Quick coupler rack T205/T215
Réf. 51765



Mini screw vice
Réf. 51722



Vice chuck for longitudinal cuts (length 53mm)
Réf. 51718

FLANGES

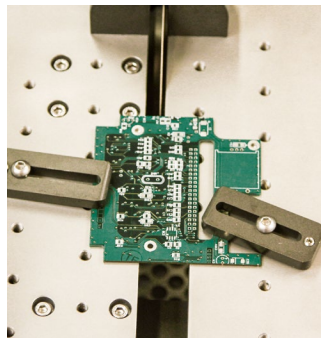


Set of aluminium flanges $\varnothing$ 35mm for wheel $\varnothing$ 75 to 100mm
Réf. 51710

Set of aluminium flanges $\varnothing$ 50mm for wheel $\varnothing$ 100 to 150mm
Réf. 51711

Set of aluminium flanges $\varnothing$ 75mm for wheel $\varnothing$ 150 to 200mm
Réf. 51712

TABLES AND POSITIONING



Linear table for cutting PCBs or thin plates.
385mm x 250mm.
Supplied with 2 flat clamping vices
Réf. 51815

OTHER ACCESSORIES



Quick-release nut for T205/T215
Tool-less cut-off wheel change
Réf. 51725



Analogical refractometer
Brix 0-10
Réf. 19074