

CUTTING



CUTTING MACHINES

CUTLAM®micro 1.1

MADE IN FRANCE

The CUTLAM®micro 1.1 is a LAM PLAN laboratory micro-cutting machine. Easy to use and economical. It is designed for precision cuts of the most sensitive materials.

The CUTLAM®micro 1.1 allows you to include a versatile and robust machine in your laboratory at a reasonable budget. Its speed range and cutting chamber capacity will enable you to use it for many applications with a variety of cutting wheels (diamond, Al_2O_3 , etc.) up to 150 mm diameter.

The work piece is held by a vice-holding, the knob, located outside of the cutting chamber, which permits a micro metric movement of the Z-axis.

The cutting feed is controlled with a sliding weight system, allowing you to fine-tune the load applied for delicate and slow cuts.

Equipped with an independent decanting/ recirculation tank, you can easily make slow cuts in optimum conditions of cooling.

Based on a robust aluminium frame with a painted metal body, the CUTLAM®micro 1.1 is stable and vibration free. The hinged transparent hood avoids any spraying outside the machine and allows easy access for clamping vices on the arm. The hood is fitted with a safety device which stop immediately the cutting wheel motor in case of an opening.



CUTLAM®micro 1.1

Laboratory micro cutting machine
Ø 150 mm



Recirculation coolant system, 10 litres

Included Equipment

- Recirculation coolant system, 10 litres
- Cylindrical sample holder with clamping screw: Ø 12 to 50 mm maxi
- Set of flanges Ø 50 mm for cut-off wheels Ø 125 to 150 mm

Accessories

- Set of flanges Ø 35 mm for cut-off wheels Ø 75 to 100 mm 60 CTM01 10
- Sample holder with multi screw clamping for irregular parts 60 CTM03 50
- Sample holder vice with clamping screw: Ø 12 mm maxi 60 CTM03 30
- V sample holder with clamping screw: Ø 24 mm maxi 60 CTM03 20
- Sample holder double vice with clamping screw: Ø 12 mm maxi 60 CTM03 40
- Cylindrical sample holder with clamping screw: Ø 12 mm to 50 mm 60 CTM03 10
- Small vice with clamping screw: Ø 12 mm 60 CTM02 10

Technical data	CUTLAM®micro 1.1
Wheel Ø	75 to 150 mm
Shaft Ø	12,7 mm
Standard flanges Ø	50 mm
Lateral arm displacement	Stroke 25 mm (accuracy 0,02 mm)
Preload weight	1 x 200 g
Vertical movement	Manual
Lubrication/Cooling	Recirculation system, 10 litres, 800 L/ hour pump driven by the machine
Motor power	0,18 kW
Rotational speed	Variable, from 50 to 1500 rpm
Body	Steel coated with epoxy paint
Protection	Transparent cover with locking system
Voltage	230 V - 50 Hz single phase
Dim. W x H x D	390 x 390 x 340 mm (H cover open: 630 mm)
Weight	25 kg
Reference	60 CTM10 00