Cutting

▸▸ CUT-OFF MACHINES

CUTLAM® micro 1.1

Laboratory economic micro cutting machine

The CUTLAM® micro 1.1 is the new LAM PLAN laboratory micro-cutting machine. It is a simple and economical machine. It is designed for precision cuts on the most sensitive materials.

The CUTLAM® micro 1.1 allows you to include a versatile and robust machine in your laboratory within a reasonable budget. Its speed range and cutting chamber capacity will enable you to use it in many applications with a variety of cutting wheels (diamond, Al2O3, etc.) up to 150 mm diameter.

The work piece is held by a vice-holding arm. The knob, located outside the cutting chamber, allows a **micrometric movement of the Z-axis.**

A whole sample holder range is available, for clamping pieces and materials of any kind.

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

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

Based on a robust aluminium frame clad in 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 immediatly the cutting wheel motor in case of opening.

▸ Technical data

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 mouvement	Manual
Cooling	Recirculation system, 10 liters, 800 liters/min pump driven by the machine
Motor power	0,18 kW
Rotational speed	Variable, from 50 to 1500 rpm
Protection	Transparent hood with opening security sensor
Voltage	230 Volts - 50 Hz single phase
Dim. L x H x D	390 x 390 x 340 mm - H canopy open: 630 mm
Weight	25 kg
Reference	60 CTM10 00

▸ Equipment

Recirculation coolant system, 10 liters	60 CTM10 10
Cylindrical sample holder with clamping screw: Ø 12 to 50 mm max	60 CTM03 10

▸ Available accessories

Set of flanges Ø 35 mm for Ø 75 to 100 mm cut-off wheels	60 CTM01 10
Set of flanges Ø 50 mm for Ø 125 to 150 mm cut-off wheels	60 CTM01 20
Cylindrical sample holder clamping by screw: Ø 12 to 50 mm max	60 CTM03 10
V sample holder clamping by screw: Ø 30 mm max	60 CTM03 20
Vice sample holder clamping by screw: Ø 12 mm max	60 CTM03 30
Vice sample holder double V clamping by screw: Ø 12 mm max	60 CTM03 40
Sample holder with multi screw clamping: for irregular parts	60 CTM03 50