

CUTLAM[®] micro 2.0

The CUTLAM[®] micro 2.0 is a compact laboratory micro-cutting machine intended for precision cuts on the most sensitive materials. The speed range and the cutting chamber capacity make this machine incredibly versatile. You can use it for a wide range of applications with a great variety of cut-off wheels (diamond, Al₂O₃...) up to a diameter of 200 mm.



The sample is held in position using a vice-tightened holding arm and the wheel located outside the cutting chamber enables a micrometric movement along the Z axis, **you can track the movement visually on the screen** (accurate to 0,02 mm). Thanks to the zeroing system, very accurate parallel cuts can be performed.

A wide range of vices is available, enabling you to clamp any type of component or material.

The cutting progress is either controlled manually or with a counterweight system specially adapted to delicate cuts. A rocker arm compensates for the on part weight, and another enables you to adjust the applied load with precision.

► Technical data

Wheel Ø	75 to 200 mm
Shaft Ø	12,7 mm
Standard flanges Ø	50 mm
Lateral arm displacement	Stroke 80 mm (accuracy 0,02 mm)
Preload weight	2 x 200 g
Vertical movement	Manual
Cooling	Recirculation system, 10 liters, Decantation tank, 2 chambers, Input 100 µm filter, 800 liters/h pump driven by the machine
Motor power	0,6 kW
Rotational speed	Variable, from 200 to 4000 rpm (Slow speed in option 50 to 1000 rpm)
Protection	Transparent hood with locking system
Voltage	230 Volts - 50 Hz single phase
Dim. L x H x D	430 x 300 x 450 mm - H canopy open: 644 mm
Weight	40 kg
Reference	60 CTM20 00

► Equipment

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

► Option

Slow speed 50 to 1000 rpm

Laboratory precision micro cutting machine



The 3.5" tactile screen lets you select the different functions using an easy to use, **intuitive interface**.



Fitted with a **large-capacity** (10 liters, large for the machine's size) independent filtration / decanting / **recirculation tank**, it is easy to perform long cuts under ideal cooling conditions. The CUTLAM[®] Micro 2.0 has been designed to simplify maintenance and cleaning operations: the base of the cutting chamber is lined to prevent the loss of small pieces and components, a 100µm fabric filter at the decanter inlet filters out the largest particles, and the remainder of the filtration is accomplished by decanting into the compartmented tank.

Built upon a robust, mechanically welded chassis sheathed with a painted sheet-steel body, the CUTLAM[®] Micro 2.0 is particularly stable and is not prone to vibration, saving you valuable laboratory work-space. The hinged transparent hood ensures hygiene and safety thanks to an automatic shut-off if opened during cutting, and also gives you easy access to the component clamps.

► 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
Set of flanges Ø 75 mm for Ø 200 mm cut-off wheels	60 CTM01 30
Multi-screw sample holder for irregular parts	60 CTM03 50
Screw vice sample holder: max Ø 12 mm	60 CTM03 30
Screw V-shape sample holder: max Ø 24 mm	60 CTM03 20
Screw double vices sample holder : max Ø 12 mm	60 CTM03 40
Screw cylindrical sample holder: Ø 12 mm to 50 mm	60 CTM03 10