



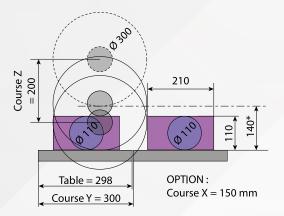
CUTLAM

Automatic and programmable cutting machine with 2 or 3 motorised axes*, equipped with a 300 mm Ø cut-off wheel

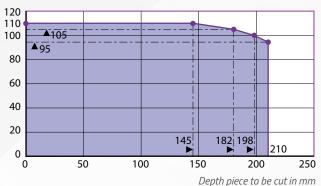
*Optional motorised 3rd Axis (X)

Theoretical cutting capacity - Ø 300 mm

*space under wheel



Height cut piece to be cut in mm



CUTTING MACHINES

CUTLAM[®]3.1

The CUTLAM® 3.1 is the ultimate development of LAM PLAN and is the most advanced automatic \emptyset 300 mm cut-off machine in its market sector.

Largest cut-off area on the market of Ø 300 mm cut-off machines

The CUTLAM[®]3.1 offers an unprecedented cutting capacity, the machine table can move forward and backward automatically over a distance of 300 mm. New, the cut-off wheel has an automatic and linear top-to-bottom movement. With this linear movement, this new-generation of cutting machine offers a 140 mm space under the cutting wheel. The CUTLAM[®]3.1 has a cover which includes opening side to cut bars.

Easy to use

The CUTLAM[®]3.1 is extremely simple to operate with its large touch screen (5.7 inches) and intuitive interface. The 2 motorised axes of CUTLAM[®]3.1 (optional 3rd axis) can be controlled manually by two joysticks located near the control screen. The internal memory allow to save over 300 cutting programs, which can also be imported or exported via a USB port.

A great variety of possible setting configuration

The rotation speed of the cutting wheel and the feed speed of the axes can be programmed so as to prevent any deterioration or deformation of the samples. 3 cutting modes are possible: manual (via joysticks), semi-automatic and automatic. The movements of the axes can be continuous or sequenced.

The CUTLAM[®]3.1 is also equipped with the smart motion function: the definition of an acceptable torque for the cutting wheel, with the touch screen will automatically regulate the feed speed of the axes.

This option makes it possible to cut materials with different hardnesses (e.g. steel with an HVOF coating) without having to modify the feed speed. This option allows to avoid long testing campaigns to define the correct feed speed.



CUTTING MACHINES

Many cutting possibilities are offered

This automatic cut-off machine makes it possible to cut vertically (along axis Z), over a maximum stroke of 200 mm, or to cut horizontally along axis Y, over a maximum stroke of 300 mm.

It is also possible to combine the two Z and Y movements. Thus, your machine will be able to perform cutting passes with a pass number and depth, which can be programmed.

This machine can optionally be equipped with a manual or automatic X axis for cutting parallel sections.



Your safety, our priority

An interlocking device maintains the cover in its closed position when the cutting wheel is rotating. When the cover is open, any axes movement (controlled by the joysticks) is only possible when the technician presses the "man present" button.

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Support cabinet with integrated cooling system (60 litres).

Options

| Manual X axis-table, stroke: 150 mm | 60 CT31A20 |
|--|------------|
| Automatic X axis-table, stroke: 150 mm | 60 CT31A30 |
| Laser positioning device | 60 CT31A10 |

| Technical Data | CUTLAM [®] 3.1 |
|---|--|
| Wheel Ø | 250 to 305 mm |
| Shaft Ø | 25,4 mm |
| Max cutting capacity | Ø 110 mm |
| Space between the cutting wheel and the table (with wheel Ø 300 mm) | 140 mm |
| Table | Stainless steel 574 x 298 mm |
| Longitudinal movement - table | 300 mm |
| Vertical movement - wheel | 200 mm |
| Transversal movement | 150 mm (optional) |
| Motor power wheel | 3,8 kW |
| Cooling/Lubrication | Recirculation system, 60 litres decantation tank, 2 chambers, Input 100 µm filter, 800 L/hour pump driven by the machine |
| Wheel rotation speed | From 1000 to 4000 rpm |
| Cutting mode | Manual, semi-automatic, automatic |
| Feed speed control | From 0.1 to 20 mm/s, continuous or sequenced. Intelligent motion: automatic check of the feed motion according to the resulting torque on the cutting wheel motor |
| Lighting | LED strip |
| Protection | Cover secured by interlocking Man present button for operating the axes when the cover is open |
| Voltage | 400 Volts - 50 Hz (three-phase + ground) |
| Dim. W x H x D | 900 x 700 x 1000 (H. cover open 1100 mm) |
| Weight | 210 kg |
| Reference | 60CT30100 |
| | |







60 CT31A10

60 CT31A30

60 CT31A20

| Accessories | | |
|---|---|-------------|
| | nt vice (left and right) tightening system | 60 CT200 40 |
| Double independe with a fast tighter | nt vice (left and right) iing system | 60 CT200 20 |
| Cabinet for CUTLA | .M®3.1 | 60 M0310 00 |
| Aspiration/filtration | on set (see specific page) | 60 CT204 00 |
| | | |



60 CT200 40



60 CT200 20



60 M0310 00



Quick positioning with joysticks. Touch screen with graphical interface.



CUTTING