



60CT31A00

### CUTLAM 3.1

Cutting machine 2 axis automatic (Y and Z) with electronic control of the functions, and programs saving

*\*3rd axis automatic as an option*

#### Description

- Horizontal movement of the table (Y axis) : 300mm automatic, accuracy 0,1mm
- Vertical movement of the blade (Z axis) : 200mm automatic, accuracy 0,1mm
- Electronic measurement of movements, with real time monitoring on 5.7" touch screen
- Feed speed : from 0.1 to 10 mm/sec
- 3 cutting modes : manual, semi-automatic or fully automatic
- Fast positioning of the table and blade by a joystick
- Intelligent motion : Feed speed adjusts automatically according the cutting effort.
- Variable speed of the wheel : from 1000 to 4000 rpm.
- Continuous or pulsed cutting
- Saving/loading of 300 cutting programmes
- Control of the machine with a touchpanel 5,7", with graphic displaying of the movements.
- Very intuitive with displaying cutting time
- Integrated washing lance, located outside of the cutting chamber.
- Transparent canopy, which includes safety device. (locked during cycle)
- Canopy equipped with one opening side, to allow bars cutting
- Strong steel casing, powder painted.

#### Features

- Cutting wheel diameter : 300mm max
- Arbor :  $\varnothing$  25.4mm
- Space between blade and table (with blade  $\varnothing$ 300mm) : 140mm
- Flanges :  $\varnothing$ 80mm
- Lightening of the cutting chamber by LED
- Cutting capacity :  $\varnothing$ 110mm (with cutting wheel  $\varnothing$ 300mm)
- Power of the cutting wheel motor : 4,0 kW
- Grooved aluminium table 574 x 298mm, with stainless steel pellets, removable
- Table with 10 longitudinal grooves, T-slot 12mm
- large cutting chamber : 717 x 734 mm
- Power supply 400 Volts 50 Hz 3 phases
- Size (WxHxD) 900 x 710 x 1010 mm (H : 1100mm when canopy is open)
- Weight : 210 kg





### **Included equipment**

-Coolant recirculation system, 60 liters, on casters  
*PP tank, 2 chambers (1 setting tank), with level of coolant indication*  
*Drive by machine software*  
*100µm filter integrated*  
*winnow to drain the tank*  
*Connection kit included (arrived/return pipes)*

60CT31A222 User and maintenance guide for cutlam 3.1

### **Options (to be precised at the order)**

60CT31A10 Positioning laser  
-Display the scheduled cut on your sample  
-Define the exact cutting position.  
-Will operate only when the canopy is open

### **Accessories**

60 CT200 40 Double vice with screw tightening system (left and right side of the wheel)  
2 x 2 elements vice, without sole, to obtain maximal lenght clamping.  
Jaw width 80mm  
Jaw height 45mm  
T-slot 12mm screw included  
Lever left and right

60 CT200 20 Double vice with fast clamping system (left and right side of the wheel)  
2 x 2 elements vice, without sole, to obtain maximal lenght clamping.  
Jaw width 80mm  
Jaw height 45mm  
T-slot 12mm screw included  
Lever left and right

60 08128220 Universal claming vice 61  
-Clamping height : 8-102mm  
-max claming force 12 kN/mm<sup>2</sup>

60M031000 Cabinet for cutlam 3.1  
- steel casing powder coated color RAL 9003  
- Front door, which included storage for spanners and cutting blades  
- Upper drawer  
- Adjustable feet, with 4 additionnal casters (casters will be usable according the levelling of the feet)  
- Dimensions (WxHxD) 700 x 800 x 1050 mm  
- Weight 130 kgs

600037390 Batch of 5 distance rings, steel, Ø32mm/25,4mm

600037490 Batch of 5 distance rings, PVC Ø32mm/25,4mm

60CT31A20 Manual Cross-feed table (X-axis) to cut paralel slices, with well-defined thickness  
-Stroke : 150mm  
-accuracy : 0,01mm  
-Can be fiited with right vice reference 60 CT200 20 ou 60 CT200 40(mentionned above)

60CT31A30 Cross-feed table (X-axis) motorised, to cut paralel slices  
- Settings of this axis threw the touch screen of the machien  
-Stroke : 150mm  
-Accuracy : 0,01mm  
-Can be fiited with right vice reference 60 CT200 20 ou 60 CT200 40(mentionned above)

60 CT306 20 Single right vice fast tightening system for Cross-feed table (X-axis)  
-2 elements vice without sole.  
-Increase the clamping capacity (88mm against 43mm offers by vices above mentionned)  
-T-slot 12mm screw included