

# HE HITECH MILANO EUROPE

METALLOGRAPHIC SAMPLE PREPARATION



CUT OFF SAWS

C321 SERIES

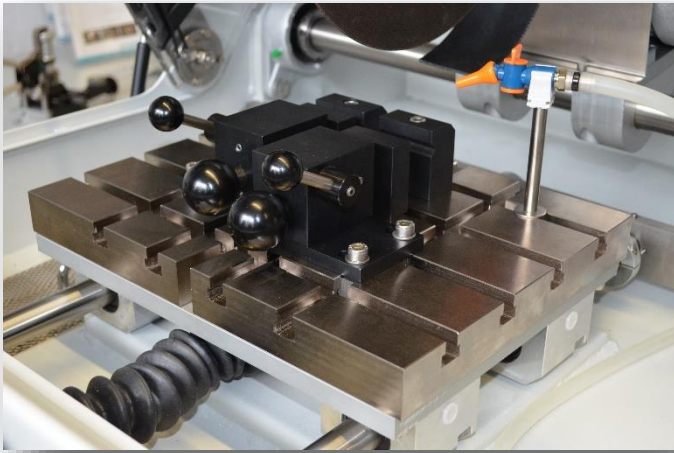
# METALLOGRAPHIC CUT OFF SAWS C321 SERIES

The C321 Series is designed to offer an high-performance product, ensuring quality and efficiency at a competitive price. Its new design, with the transparent and shock absorbent cover, with rollaway opening system, guarantees a wide working area, making easier the cutting process, also for cutting on pieces of particular geometries.

Various models available allow to satisfy completely each type of customer needs.

The standard cutting wheel is 300mm diameter, with cutting capacity up to 108mm.

The left and right side port ensure the possibility to cut easily also bars of different lengths.



## T-Slot fixed system

Table with T-Slot with chemical Nickel treated grooves (dimensions 360x270mm), where clamping vices are fixed, which allows the clamping of the workpiece to cut.

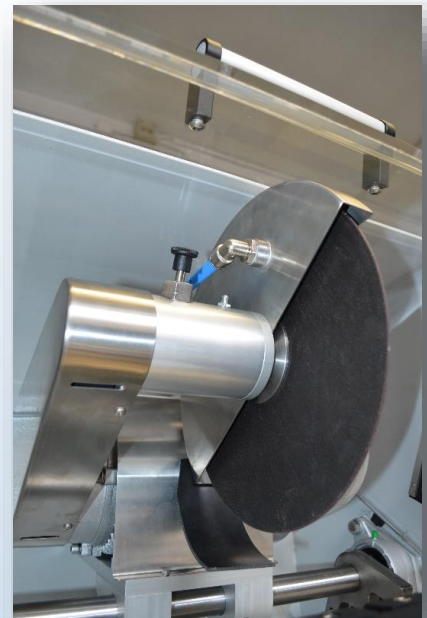
The table has different characteristic depending on the machine model:

- C321 – C321 Plus: Fixed table
- C321M2 – C321M2 Plus: Y-axis table manual translation
- C321M3 C321M3 Plus: X/Y-axis table manual translation
- C321A: Z-axis table motorized translation
- C321A2X: X/Z-axis table motorized translation
- C321A2Y: Z/Y-axis table motorized translation
- C321A2M: Z/Y-axis table motorized translation, manual X axis
- C321A3: X/Y/Z -axis table motorized translation

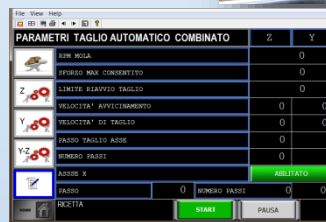
## Cutting wheel

The C321 series is equipped with cutting wheels  $\varnothing$  300mm (possibility to have cutting wheels  $\varnothing$  350mm). Thanks to the locking button of the wheel, its changing is extremely easy and fast.

The cooling nozzles of the wheel, allow an homogeneous cooling during the cutting operations, avoiding the overheating of the piece.



NEW



Automatic settings



Manual settings



Programs settings

**C321A2X – Automatic Cut Off Saw with touch screen**

# METALLOGRAPHIC CUT OFF SAWS C321 SERIES



### **Additional cooling and cleaning system**

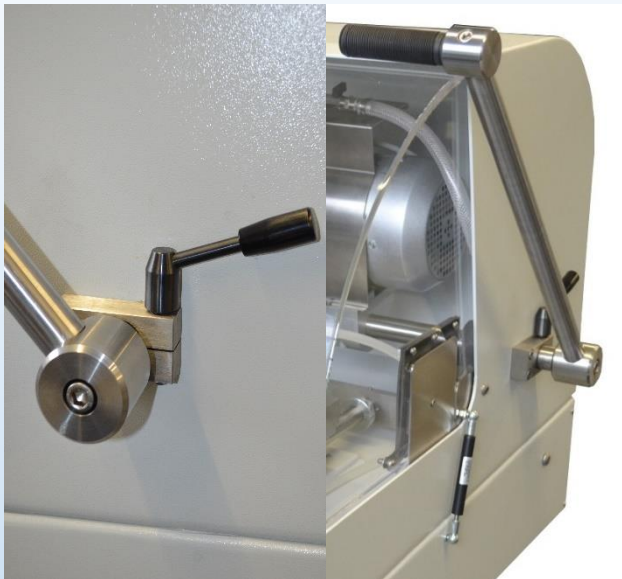
This flushing hose can be used both as cleaning system in the working area, in order to remove the material residues after the cutting, and to keep clean the machine, both as additional cooling system, pointing it directly on the workpiece during the cutting process.

### **Safety opening of the cover**

Each machine is provided with a safety system which prevents the operator from accidentally coming into contact with the cutting wheel in action during the cutting phase.

In the models provided with Inverter with micro-switch, in case of accidental cover opening during the cutting process, the wheel stops immediately.

The timed Interlock system, prevents the accidental cover opening.



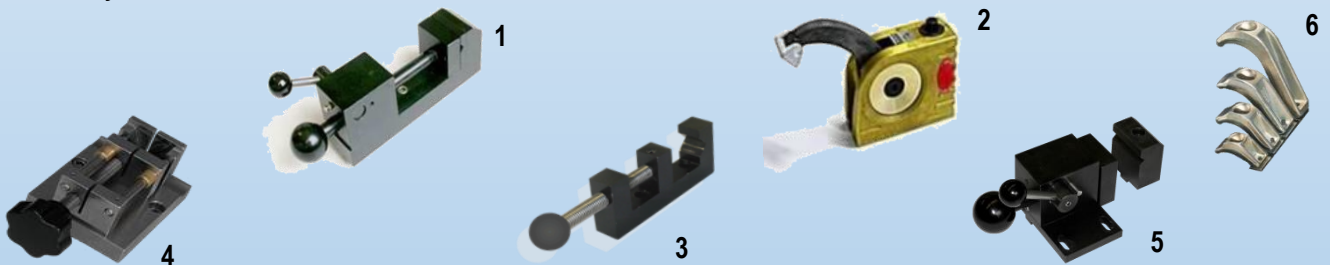
### **Manual descent cutting system**

The descent of the wheel takes place by mean of the cutting lever, which guarantees to the operator a high sensibility during the cutting

The user, depending on their needs, can adjust the lever position using the special locking system, and the handle can be placed towards the inside or the outside of the machine.

The C321 Series offers the possibility to lock the Z axis in order to make longitudinal cuts moving the Y-axis where the workpiece is placed (not included for models with fixed table).

*From the simplest one (the quick acting vice 1) to the special ones (Kopal 2 and Lenzkes 6) to offer a wide possibility of choice to the operator. Furthermore, the special vice for the double wheel system 3 for a double, simultaneous cut, and the V shaped vice 4 "bolt-cutter" for the "DUO".*



# TECHNICAL FEATURES

MODEL	C321	C321 M Plus	C321M2	C321M2 Plus	C321M3	C321M3 Plus	C321A	C321A2X	C321A2Y	C321A2M	C321A3
Code	02-15-321F-C	02-15-321VF-C	02-15-321MY-C	02-15-321VMY-C	02-15-321MX-C	02-15-321VMXY-C	02-15-321AZ-C	02-15-321AZY-C	02-15-321AZY-C	02-15-320XAZY-C	02-15-321AYXZ-C
Ø Wheel	Ø 300mm										
Translation on Z-axis	Manual						Motorized				
Translation on X-axis	No				Manual		No	Motorized	No	Manual	Motorized
Translation on Y-axis	No		Manual				No		Motorized		
Cutting capacity	Up to 110mm with Ø300mm wheel										
Engine power	3 kW	4 kW	3 kW	4 kW	3 kW	4 kW					
Speed	2800 rpm	1000-3000 rpm	2800 rpm	1000-3000 rpm	2800 rpm	1000-3000 rpm					
Electronics	Low tension control panel					Touch Screen 5.7"					
Power supply	400V 50Hz										
Safety opening	Interlock System	Inverter Microswitch	Interlock System	Inverter Microswitch	Interlock System	Inverter Microswitch					
Rubber sealed side ports left/right	Yes										
Cooling system	Yes										
Cleaning system	Yes										
Table Feedrate	No					0.1 mm/min - 300 mm/min					
Dimensions	700x810x865 mm										
Dimensions with cabinet	700x810x1685 mm										
Weight	215Kg		230Kg				250Kg				
Instruction manual- CE certificate	Yes										

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