

## ACCESSORIES

### Vices and Holders

- 51319**  
Right quick clamping vice  
Height 45mm
- 51321**  
Left quick clamping vice
- 50906\***  
Left and right quick clamping vices  
Height 45mm
- 50905\***  
Left quick clamping vice  
Height 45mm
- 50909\***  
Right quick clamping vice  
Height 45mm
- 50902\***  
Double screw clamping vices Left and Right  
Height 45mm
- 50901\***  
Left screw clamping vice  
Height 45mm

- 50903\***  
Right screw clamping vice  
Height 45mm
- 50613**  
Box of Kopal holders
- 50616**  
Kopal holding
- 50305**  
Motorised X-axis table
- 51610**  
Manual X- axis table
- 51430**  
Positioning Laser
- \* Stainless steel

### Other accessories

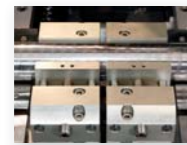
- 51010**  
Base cabinet with door and slide out  
vertical drawer Width 1 000mm x depth 880mm  
x height 855mm
- 51620**  
Set of 3 filters for coolant tank  
ST310/T 330/T300



REF. 50905



REF. 50909



REF. 50902



REF. 50901



REF. 51006



REF. 51620



REF. 50903



REF. 50613



REF. 50616



REF. 50610



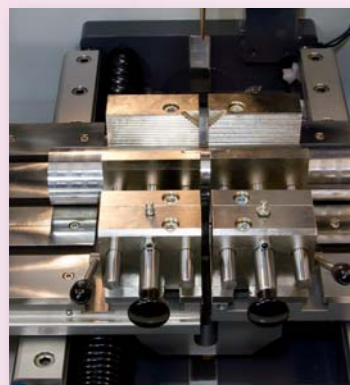
REF. 51319 - 51321



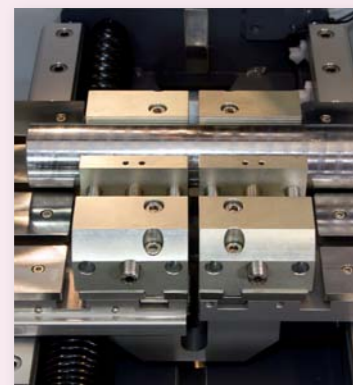
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## VARIOUS CLAMPING SYSTEMS

### QUICK CLAMPING VICES



### SCREW CLAMPING VICES



### KOPAL HOLDERS



## CONSUMABLES

### STANDARD RESINOID CUT-OFF WHEELS

REF.	DESIGNATION	DIAMETER	HARDNESS	MATERIALS
01015	Type A	Ø 250 x 1.6 x 32mm*	100 - 350 HV	Low carbon, mild and extra mild and treated steels with medium cross-sections
01021	abrasive Al <sub>2</sub> O <sub>3</sub> (ferrous materials)	Ø 300 x 2 x 32mm*		
01002	Type A0	Ø 200 x 1.6 x 25.4mm	300 - 500 Hv	Treated steels, stainless steels, refractory metals, alloyed cast irons
01014	abrasive Al <sub>2</sub> O <sub>3</sub> (ferrous materials)	Ø 250 x 1.6 x 32mm*		
01020		Ø 300 x 2 x 32mm*		
01001	Type A0F II	Ø 200 x 0.8 x 25.4mm	80 - 300 Hv	Rubber bonded cut-off wheel, thin section cutting, low cross-section sintered steels, hard metal layers
01012	abrasive Al <sub>2</sub> O <sub>3</sub> (ferrous materials)	Ø 250 x 0.8 x 32mm*		
01013		Ø 250 x 0.8 x 32mm*		
01019		Ø 300 x 1 x 32mm*		
01018	Type F	Ø 250 x 1.6 x 32mm*	150 - 400 Hv	White, grey and spheroidal graphite cast iron, titanium and alloys
01024	abrasive SiC (non ferrous materials)	Ø 300 x 2 x 32mm*		
01005	Type MNF	Ø 200 x 1.6 x 25.4mm	30 - 350 Hv	Aluminium, copper and alloys, non ferrous metals, titanium and alloys
01017	abrasive SiC (non ferrous materials)	Ø 250 x 2 x 32mm*		
01023		Ø 300 x 2 x 32mm*		
01060	Type SIC	Ø 180 x 0.5 x 25.4mm	450 - 700 Hv	Treated steels, with fragile coatings, difficult materials
01016	abrasive SiC	Ø 250 x 1.6 x 32mm*		
01022	Type S	Ø 300 x 2 x 32mm*		
01022	abrasive Al <sub>2</sub> O <sub>3</sub> (ferrous materials)	Ø 300 x 2 x 32mm*		
01071	Type T	Ø 250 x 1.6 x 32mm*	50 - 400 Hv	Titanium, titanium alloys, non ferrous metals
01072	abrasive SiC (non ferrous materials)	Ø 300 x 2 x 32mm*		

### DIAMOND CUT-OFF WHEELS

REF.	DESIGNATION	DIAMETER	MATERIALS
02038		Ø 200 x 0.9 x 32mm*	Ceramics, composites, tungsten carbide, alumina, sintered carbides
02042	Type LM	Ø 250 x 1.2 x 32mm*	
02046		Ø 300 x 1.4 x 32mm*	
02040		Ø 200 x 0.9 x 32mm*	Ceramics (large sections), tungsten carbide, silicon carbide, plasma deposit, mounted samples, refractory materials, minerals, concretes
02044	Type LM+	Ø 250 x 1.2 x 32mm*	
02048		Ø 300 x 1.4 x 32mm*	
02041		Ø 200 x 0.9 x 32mm*	Composites, plasma deposit, ceramics, electronic components
02045	Type LR	Ø 250 x 1.2 x 32mm*	
02049		Ø 300 x 1.2 x 32mm*	

**LM** **Metallic bond.** Very polyvalent cut-off wheel, normal concentration, to cut hard materials such as:  
 — ceramics, composites, tungsten carbide, alumina, sintered carbides.

**LM+** **Metallic bond.** High concentration disc to cut hard materials such as:  
 — ceramics (large sections), tungsten carbide, silicon carbide, plasma deposit, mounted samples, refractory materials, minerals, concretes...

**LR** **Resin bond.** High concentration disc, advised when you want the best cutting quality. To cut hard and fragile materials:  
 — composites, plasma deposit, ceramics, electronic components...

### BORON CARBIDE CUT-OFF WHEELS

REF.	DESIGNATION	DIAMETER	MATERIALS
02039		Ø 200 x 0.9 x 32mm*	Cast irons, treated steels, hard and high speed steels
02043	Type NB	Ø 250 x 1.2 x 32mm*	
02047		Ø 300 x 1.2 x 32mm*	

**NB** **Resin bond.** High concentration disc of boron nitride edge to cut :  
 — Cast irons, treated steels, hard and high speed steels

\* To be used with reduction ring (Ref. 01092)

## PRESI IS ALSO...

### CUTTING



Mecatome ST310

### MOUNTING



Mecapress 3

### POLISHING



Le Cube

### HARDNESS TESTING



Microtech MX 1

### POLISHING



Mecatech 334



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# MECATOME T 330

PRECISION CUTTING MACHINE FOR LABORATORY AND PRODUCTION WORKS



The most performant of all the cutting machines in its category. Powerful, precise and reliable with the possibility to cut as well in manual as in automatic mode.

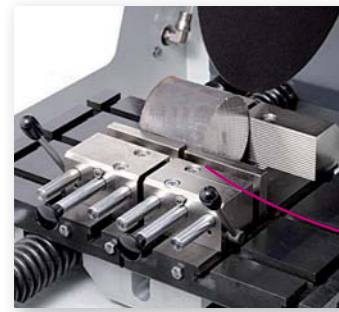
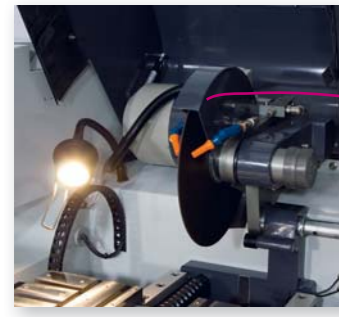
## FUNCTIONALITIES

### REF. 50300

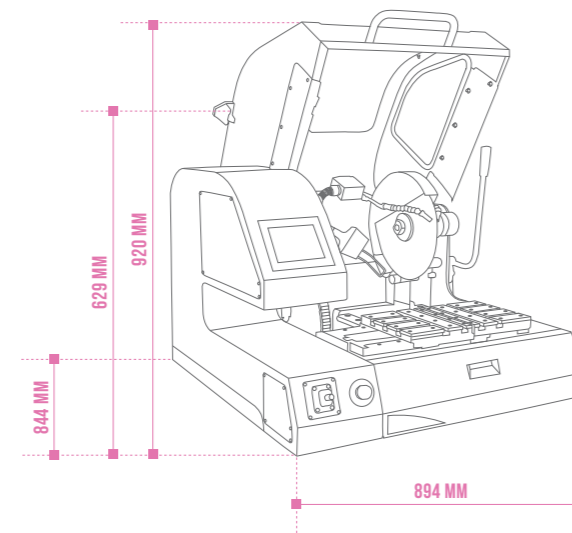
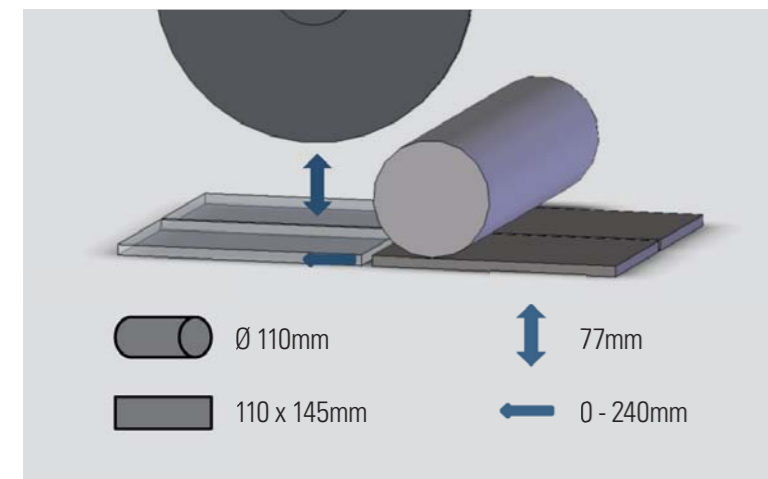
<b>Width</b>	894mm
<b>Depth</b>	844mm
<b>Height closed lid</b>	629mm
<b>Height opened lid</b>	920mm
<b>Weight</b>	190kg
<b>Conformity</b>	EC

### High capacity cutting machine

MECATOME T 330 can be used to cut bars and large items. The motorized X axis (optional) allows serial cutting.



### CUTTING ENVELOPE\*



\*This illustration of the cutting envelope of the MECATOME T 330 is to show the maximum theoretical capacity only. The actual capacity in practice will depend on the sample geometry and its physical properties.

## FUNCTIONING

### 4 EXCLUSIVE CUTTING MODES

#### MANUAL

The user chooses the speed of the cut-off wheel, whether the pump is to be used or not, and the type of control of the wheel speed. He can visualize in real time the wheel speed and the burden on the motor.

#### ASSISTED

In this mode in particular, the user controls the feed speed of the table using the joystick and defines the maximum speed. This is manual cutting without any effort. The user can maintain a constant wheel speed or adjust the speed according to the burden on the motor.

#### AUTOMATIC

In this mode, the machine performs the cut(s) automatically. The user can maintain a constant wheel speed or decide to adjust it according to the burden on the motor. If the pulsed cutting mode has been selected, cutting will be performed according to pause times specified by the user. All the control systems can be used at the same time.

#### PROGRAM

The user performs the cutting according to parameters previously defined in the programs.



- The motor and the transmission \*to the cutting wheel have been optimized: ultra-resistant spindle, double row of bearings, V-ribbed belt, variable frequency control, etc. **MECATOME T 330 offers the best performance of all the cut-off machines in its category.**

- The new step motors offer an incomparable positioning accuracy of the cutting table; the **variable cut-off wheel speed** from 1000 to 6.000 rpm optimizes the cut through all types of materials.

- The Y and X tables (X table in option) can be guided directly by the joystick. **The touch screen** provides a number of exclusive advantages, including programming, indication of table movements, legibility and simplicity of use.

- The MECATOME T 330 is equipped with a **system for blocking the cut-off wheel**, making the change of the wheel very quick and easy.

- The MECATOME T 330 is spacious and integrates a large table with **interchangeable stainless steel strips**. Maintenance of the MECATOME T 330 is particularly easy as well, thanks to its internal design and inbuilt cleaning kit. The grooved table is compatible with all commercially available clamping systems.

## CHARACTERISTICS

<b>HOOD</b>	
Type	PETG enclosure with metal hinges and gas strut assisted lift
Safety	Interlock switch keeps hood locked during cutting
<b>MOTORIZATION-POWER SUPPLY</b>	
Power	3 700 W
Power supply	380 V / Three-phases / 50 Hz
Control of the motor	Frequency inverter
<b>CUT-OFF WHEELS</b>	
Type of cut-off wheels	Resin bonded and metal bonded
Cut-off wheel size range	Up to 300mm
Rotation speed	From 1.000 to 6.000 RPM
Arbor size	25.4mm
<b>CONTROL</b>	
Control Interface	Color touch control screen
Security Access	Can activate password protection
Programmability	Up to 100 programs protected by password
<b>CUTTING</b>	
Cutting modes	Manual chop action or automated Y feed with optional pulse action
Table automation	Motor driven Y axis
Y axis speed	From 0.01 to 3mm/s
Cutting control	Automated regulation of Y axis feed rate
Y axis travel	240mm
X axis travel	Option: 100mm
Serial cutting	Option (motorized X table)
Table dimensions	Left table: 192 x 230mm-Right table: 192 x 230mm
Positioning laser	Option
Distance between cut-off wheel and table	80mm (with a Ø 300mm wheel)
Table type	Treated aluminium table with stainless steel "T" slots
Holders	Any sample fixturing system compatible with a 12mm "T" slot bed
<b>COOLANT SYSTEM</b>	
Pump & tank	External-60 L
Type of lubrication	External recirculating system
Method of directing pumped coolant	2 ports in the wheel guard. 2 alignable nozzles mounted on the wheel assembly
Type de filtration	Filtre tissu 100 µm lavable
<b>ERGONOMICS</b>	
Internal lighting	LED
Spray nozzle for cleaning	Integrated