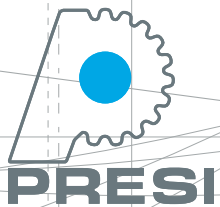


MECATOME T202



 CUTTING

MECATOME
T202

Ref. 51750

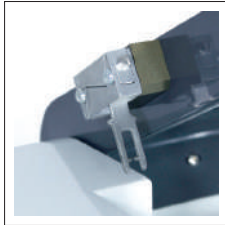
MECATOME T202

PRECISION MANUAL MICRO-CUTTING MACHINE BY PRESI

The MECATOME T202 is a compact and robust precision manual micro-cutting machine. With a large working area, it can cut with the highest precision a wide range of materials, from the hardest to the softest. Its powerful engine allows it to work at high and constant torque over the entire speed range 100 to 4000 RPM.

- 🕒 POWERFUL
- 📏 ROBUST
- 👍 ERGONOMIC

Protection hood lock
for maximum security



2 cutting modes

- Manual
- By gravity (weight, counter-weight)



Color touchscreen

- LCD color TFT display 4,3", 16/9
- Ergonomic and intuitive user interface
- Easy to use
- Micrometric display of lateral movement of the arm
- Backup up to 3 programs
- Protection by access code

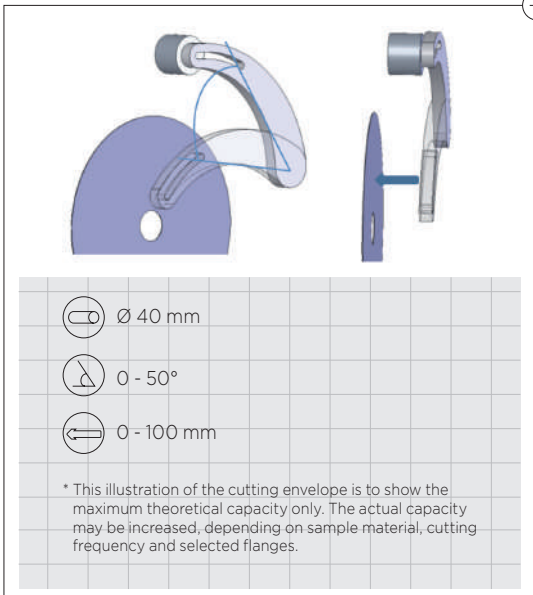


Emergency stop button

Convenient and quick access to immediately stop its operation.



CUTTING ENVELOPE*



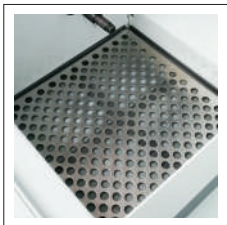
LED lighting

Improves brightness and facilitates visual control during operation.

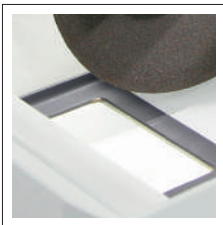
Lubrication - Cooling

- Pump lubrication
- Integrated tank with 3,5L capacity

Recovery - Filtration



Grid



100µm washable filter cloth

Cut-off wheels

- Ø 75 to 200 mm
- from 100 to 4000 RPM



Diamond cut-off wheel



Resinoid cut-off wheel



HOOD

Type	Metal frame and PETG
Safety	Lock during the cycle

MOTORIZATION - POWER SUPPLY

Power	960 W
Power supply	110 - 230 V single phase 50 / 60 Hz
Engine control	Brushless motor control board

CUT-OFF WHEELS

Type of cut-off wheels	Resinoid and diamond
Cut-off wheel size range	From Ø 75 to Ø 200 mm
Rotation speed	From 100 to 4000 RPM
Arbor size	12,7 mm

CONTROL

Control interface	4.3 TFT color touch screen, 16/9
Security access	Can activate password protection
Programmability	Up to 3 programs

CUTTING

Cutting mode	Manual or by gravity (weight / counter-weight)
X axis range	100mm X-axis movement of the sample carrier arm
Holders	Sample carrier arm accepts a wide variety of holders

LUBRICATION - COOLING

Pump and tank	Integrated - Capacity 3,5L
Type of lubrication	Pump lubrication
Method of directing pumped coolant	A single alignable nozzle
Type of filtration	100µm washable filter cloth

ERGONOMICS

Spray nozzle for cleaning	Integrated
Inside lighting	LED tube interior lighting IP68
Dimensions closed hood (mm)	W = 535 / H = 410 / D = 590
Dimensions opened hood (mm)	W = 535 / H = 740 / D = 590
Weight	55 kg

ACCESSORIES



V shaped sample chuck
Ref. 51715



Orientable chuck
Ref. 51156



Vice chuck longitudinal cuts
Ref. 51717



Vice chuck longitudinal cuts (53 mm)
Ref. 51718



Chuck for small samples (vice type)
Ref. 51713



Chuck for cylindrical sample
Ref. 51714



Irregular shaped sample chuck
Ref. 51716



Set of 5 aluminium plates for samples sticking
60 x 25 mm - Ref. 51162
40 x 25 mm - Ref. 51163



Mini screw vice
Ref. 51722



Set of 2 flanges for wheel
Ø 35mm for wheel
Ø 75 to 100mm
Ref. 51710



Set of 2 flanges for wheel
Ø 50mm for wheel
Ø 100 to 150mm
Ref. 51711



Set of 2 flanges for wheel
Ø 75mm for wheel
Ø 150 to 200mm
Ref. 51712

RESINOID CUT-OFF WHEELS

* to be used with reduction ring ref. 51324

REF.	DESIGNATION	DIAMETER	MATERIALS	HARDNESS
01040	Type A - Abrasive Al ₂ O ₃	Ø 100 x 0,3 x 12,7 mm	Low carbon, mild and extra mild	100 - 350 Hv
01046	Type AO - Abrasive Al ₂ O ₃	Ø 125 x 0,5 x 12,7 mm	Treated steels, stainless steels, refractory metals, alloyed cast irons	300 - 500 Hv
01043		Ø 150 x 0,5 x 12,7 mm		
01002		Ø 200 x 1,6 x 25,4 mm*		
01001	Type AOF II - Abrasive Al ₂ O ₃	Ø 200 x 0,8 x 25,4 mm*	Rubber bonded cut-off wheel, sintered steels, hard metal layers	80 - 300 Hv
01041	Type C - Abrasive SiC	Ø 100 x 0,3 x 12,7 mm	Aluminium, copper and alloys, non ferrous metals, titanium and alloys	30 - 350 Hv
01005	Type MNF - Abrasive SiC	Ø 200 x 1,6 x 25,4 mm*	Aluminium, copper and alloys, non ferrous metals, titanium and alloys	30 - 350 Hv
01060	Type S - Abrasive SiC	Ø 180 x 0,5 x 25,4 mm*	Treated steels, with fragile coatings, tough materials	450 - 700 Hv

DIAMOND CUT-OFF WHEELS

* to be used with reduction ring ref. 01092

REF.	DESIGNATION	DIAMETER	MATERIALS	BOND
02030	Type LM	Ø 75 x 0,3 x 12,7 mm	Ceramics, composites, tungsten carbide, alumina, sintered carbides, minerals, concretes.	Metallic bond : very polyvalent cut-off wheel, normal concentration, to cut hard materials.
02031		Ø 100 x 0,3 x 12,7 mm		
02034		Ø 125 x 0,5 x 12,7 mm		
02036		Ø 150 x 0,6 x 12,7 mm		
02055		Ø 175 x 0,7 x 12,7 mm		
02038		Ø 200 x 0,9 x 32 mm*		
02057	Type LM+	Ø 75 x 0,3 x 12,7 mm	Ceramics (large sections), tungsten carbide, silicon carbide, plasma deposit, mounted samples, refractory materials, minerals, concretes.	Metallic bond : high concentration disc to cut hard materials.
02060		Ø 100 x 0,3 x 12,7 mm		
02063		Ø 125 x 0,5 x 12,7 mm		
02064		Ø 150 x 0,6 x 12,7 mm		
02066		Ø 175 x 0,7 x 12,7 mm		
02040		Ø 200 x 0,9 x 32 mm*		
02058	Type LR	Ø 75 x 0,3 x 12,7 mm	Composites, plasma deposit, ceramics, electronic components.	Resin bond : high concentration disc of boron nitride for cutting the best cutting quality. To cut hard and fragile materials.
02033		Ø 100 x 0,3 x 12,7 mm		
02035		Ø 125 x 0,5 x 12,7 mm		
02037		Ø 150 x 0,6 x 12,7 mm		
02067		Ø 175 x 0,7 x 12,7 mm		
02041		Ø 200 x 0,9 x 32 mm*		

CBN CUTTING DISCS

* to be used with reduction ring ref. 51331

REF.	DESIGNATION	DIAMETER	MATERIALS	BOND
02059	Type NB	Ø 75 x 0,3 x 12,7 mm	Cast irons, treated steels, hard and high speed steels.	Resin bond : high concentration disc of boron nitride for cutting the materials mentioned here.
02062		Ø 100 x 0,3 x 12,7 mm		
02050		Ø 125 x 0,5 x 12,7 mm		
02065		Ø 150 x 0,6 x 12,7 mm		
02056		Ø 175 x 0,7 x 12,7 mm		
02039		Ø 200 x 0,9 x 32 mm*		