

CUTTING

MECATOME T305



ROBUST AND FLEXIBLE MANUAL CUTTING MACHINE

REF. 50220

Robust and flexible, the MECATOME T305 accepts Ø250 & Ø300mm cutting discs. Its rotation speeds ranging from 1000 to 4000 RPM allow the use of diamond discs as well as resinoids. Its stainless steel pallet table is compatible with all clamping systems on the market and its plunge cutting movement makes it the ideal machine for routine cutting.

↑ 710mm hood closed
1130mm hood open

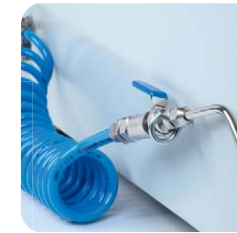
↔ 730mm

↘ 975mm

📏 156kg



Check the technical specifications
of the MECATOME T305

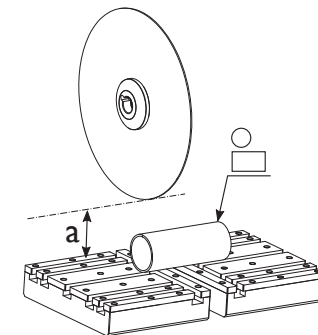


Cleaning gun



4 point lubrication

CUTTING CAPACITY*



a 90mm
(wheel Ø 300mm)

○ Ø 105mm

□ 210 x 50mm

*This cutting diagram has been designed for informational purposes. It represents the theoretical maximum cutting capacity. The described cutting capacities can be increased depending on the materials, the cutting frequency and selected flanges.

CHARACTERISTICS

HOOD

Type	Metal Frame & PETG Stainless steel cutting chamber
Safety	Mechanical locking of the hood during cutting Braked stopping of the cut-off wheel Zero speed check before unlocking the hood
Fumes extraction	Option: mist extraction with fluid recovery

MOTORISATION - POWER SUPPLY

Nominal power S2	3700W
Nominal power S3	4000W
Motor	Asynchronous motor controlled by frequency inverter
Power supply	400V - Three-phase - 50/60Hz

CUT-OFF WHEEL

Type of cut-off wheel	Resinoid & Metallic
Size of the cut-off wheel	from Ø 250 à Ø 300mm
Rotation speed	1000 to 4000 RPM
Arbor size	25.4mm

CONTROL

Control interface	Touchscreen Visualization of the motor load
Security access	Can be activated

CUTTING

Cutting modes	Manual
Distance between cut-off wheel and table	90mm (with Ø 300mm cut-off wheel)
Table type	Treated aluminum table, interchangeable stainless steel pallets
Holder	T-slotted table (12mm) accepting all commercial clamping systems

LUBRICATION - COOLING

Type of lubrication	By pump, flow rate 70L/min
Recirculation tank	External - Capacity 55L
Type of filtration	Washable 100µm cloth filter, optional magnetic filter
Method of directing pumped coolant	2 lubrication points integrated in cut-off wheel guard 2 orientable lubrication points

ERGONOMICS

Internal lighting	LED lighting integrated into the hood (IP 68)
Spray nozzle for cleaning	Integrated
Cutting disc change	Tool-less cut-off wheel changing system
No-load sound level	< 70 dB

ACCESSORIES

STAINLESS STEEL VICE & CLAMPING SYSTEMS



Left quick clamping vice
45mm height removable
jaw + rear jaw
Ref. 50236



Right quick clamping vice
45mm height + moving
jaw
Ref. 50235



Left quick clamping vice
70mm height removable
jaw + rear jaw
Ref. 50241

Right quick clamping vice
70mm height removable
jaw + rear jaw
Ref. 50240



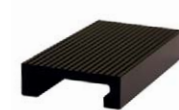
Left quick clamping vice
45mm height removable
jaw + rear jaw
Ref. 50246



Right quick clamping vice
45mm height removable
jaw + rear jaw
Ref. 50245



Stainless steel V-type
moving jaw for clamping
vice 45mm height
Ref. 51282



Special fragile samples "Delrin"
thermoplastic moving jaw
for clamping vice 45mm
Ref. 51283

Stainless steel V-type
moving jaw for clamping
vice 45mm height
Ref. 50243

Special fragile samples "Delrin"
thermoplastic moving jaw
for clamping vice 45mm
Ref. 50242

TABLES & POSITIONNEMENT



Manual transversal table
Ref. 50244



Kit of v positioning
supports
Ref. 50370



Kopal Clamp
Ref. 50616



Kopal Kit
Ref. 50613

OTHER ACCESSORIES



Base cabinet for manual
cutting machine
Ref. 51275



Base cabinet
Ref. 51006



Magnetic filter
Ref. 50222



Suction & extraction
Ref. 51273



3 Filters for cooling tank
Ref. 51620



Analogical refractometer
Brix 0-10
Ref. 19074