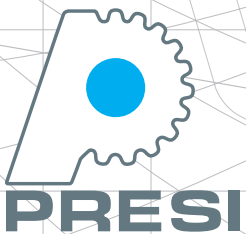


MECATOME T205



 CUTTING

MECATOME T205
Ref. 51760



MECATOME T205

MANUAL MICRO-CUTTING MACHINE

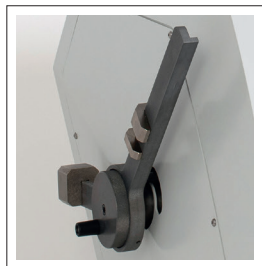
The MECATOME T205 is a manual precision micro-cutting machine characterized by its robustness and compact design. With a large working space, it allows for cuts with the highest precision and to work on a wide range of materials, from the softest to the hardest. Its powerful motor makes it possible to work at high and constant torque over the entire speed range from 100 to 4000 RPM.

Robustness

- Mechanically welded steel cover and PETG protective glass
- Epoxy paint

Two available cutting modes

- Manual
- By gravity (weight, counterweight)



Color touchscreen

- LCD color display 4.3" TFT, 16/9
- User-friendly interface
- Easy to use
- Micrometric display of the lateral displacement of the arm
- Backup for 3 programs
- Protection by access code
- Calculation of anti-rust concentration adjustment

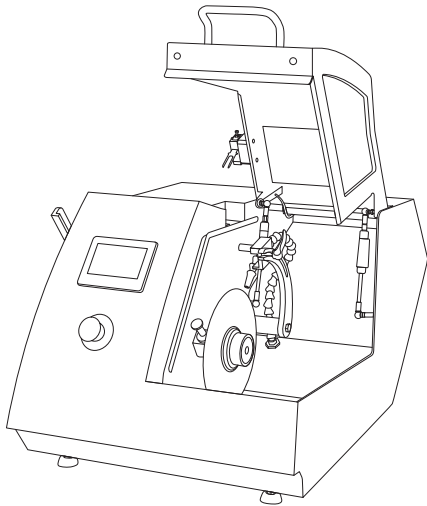


Safety

- Emergency stop button: convenient and quick access to immediately stop the cutting disc
- Braked stopping of the grinding wheel
- Mechanical locking of the hood during operation
- Zero speed check before unlocking
- Emergency stop button
- EC Marking



MECATOME T205



↑ 440mm closed lid
770mm open lid

↔ 580mm

↘ 660mm

📦 55kg

Working comfort

- Blocking of the shaft for wheel change
- Tool-less cut-off wheel change (option)
- X-axis travel: 100mm
- Light integrated into the hood
 - Anti-glare
 - Optimal lighting of the working area
- Guided evacuation system for residual drops

Lubrication close to the cut area

- By pump
- Built-in 3.5L capacity tank

Recovery - Filtration



Metal grid

100µm washable stretch fabric filter

SPECIFICATIONS MECATOME T205

HOOD

| | |
|--------|---|
| Type | Metal Frame & PETG |
| Safety | Mechanical locking of the hood during cutting Braked stopping of the cut-off wheel Zero speed check before unlocking the hood |

MOTORISATION - POWER SUPPLY

| | |
|--------------|---|
| Power | 960W |
| Motor | Brushless, controlled by regulation board |
| Power supply | 110-230V - Single phase - 50/60Hz |

CUT-OFF WHEEL

| | |
|---------------------------|----------------------|
| Kind of the cut-off wheel | Resinoid & Metallic |
| Size of the cut-off wheel | from Ø75 to Ø200mm |
| Rotation speed | from 100 to 4000 RPM |
| Arbor size | 12,7mm |

CONTROL

| | |
|-------------------|-----------------------------------|
| Control interface | 4.3" TFT color touch screen, 16/9 |
| Security access | Can be activated |
| Programmability | Up to 3 programs |

CUTTING

| | |
|----------------|---|
| Operating mode | Manual or by gravity (weight / counterweight) |
| X axis travel | Lateral movement of the arm - Travel distance 100mm |
| Holders | Sample holders fixed on arm |

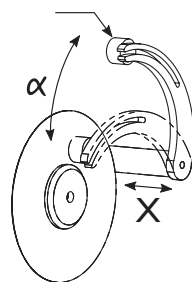
LUBRICATION - COOLING

| | |
|------------------------------------|--|
| Type of lubrication | By pump, flow rate 45L/min |
| Recirculation tank | Integrated - Capacity 3.5L |
| Type of filtration | 100µm fabric filter stretched over a metal frame |
| Method of directing pumped coolant | 1 adjustable lubrication point |

ERGONOMICS

| | |
|---------------------------|---|
| Internal lighting | LED lighting integrated into the hood (IP 68) |
| Spray nozzle for cleaning | Quick connector, linked to main lubrication point |
| Cutting disc change | Shaft lock for wheel change Option : Tool-less cut-off wheel changing system |
| No-load sound level | < 70 dB |

CUTTING ENVELOPE*



- ⊗ = 0 - 100mm
- = Ø 40mm
- ⊙ = 0 - 50°

* This illustration of the cutting envelope is to show the maximum theoretical capacity only. The actual capacity may be increased, depending on sample material, cutting frequency and selected flanges.

OPTION



QUICK - RELEASE NUT

Tool-less cut-off wheel change Ref.51725

ACCESSORIES

SAMPLE HOLDERS



V shaped sample chuck
Ref. 51715



Chuck for small samples (vice type)
Ref. 51713



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



Orientable chuck (to be used with aluminium plates Ref. 51162 and 51163)
Ref. 51156



Chuck for cylindrical sample
Ref. 51714



Vice chuck for longitudinal cuts
Ref. 51717



Irregular shaped sample chuck
Ref. 51716

VICES



Mini screw vice
Ref. 51722



Vice chuck for longitudinal cuts (length 53mm)
Ref. 51718

FLANGES



Set of 2 flanges ø 75 to 100mm
Ref. 51710



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



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

OTHER ACCESSORIE



Analog refractometer BRIX 0-10
Measure the concentration of the anti-rust coolant - Ref. 19074

CONSUMABLES

RESINOID CUT-OFF WHEELS

| | REF. | ABRASIVE | Ø |
|--|-------|--------------------------------|-----------------------|
| Ferrous materials | | | |
| AO | 01046 | Al ₂ O ₃ | Ø 125 x 0,5 x 12,7mm |
| | 01043 | Al ₂ O ₃ | Ø 150 x 0,5 x 12,7mm |
| | 01002 | Al ₂ O ₃ | Ø 200 x 1,6 x 25,4mm* |
| AOFII A | 01040 | Al ₂ O ₃ | Ø 100 x 0,3 x 12,7mm |
| | 01001 | Al ₂ O ₃ | Ø 200 x 0,8 x 25,4mm* |
| Non-ferrous materials | | | |
| MNF | 01005 | SiC | Ø 200 x 1,6 x 25,4mm* |
| C | 01041 | SiC | Ø 100 x 0,3 x 12,7mm |
| Ferrous & non-ferrous materials | | | |
| UTW | 01100 | SiC | Ø 180 x 0,5 x 25,4mm* |
| | 01101 | SiC | Ø 200 x 0,5 x 25,4mm* |
| S | 01060 | SiC | Ø 180 x 0,5 x 25,4mm* |

* to be used with reduction rings ref. 51324

METALLIC CUT-OFF WHEELS

| | REF. | Ø |
|-------------------------------|-------|----------------------|
| Hard ferrous materials | | |
| CBN | 02059 | Ø 75 x 0,5 x 12,7mm |
| | 02062 | Ø 100 x 0,5 x 12,7mm |
| | 02050 | Ø 125 x 0,5 x 12,7mm |
| | 02065 | Ø 150 x 0,6 x 12,7mm |
| | 02056 | Ø 175 x 0,7 x 12,7mm |
| | 02039 | Ø 200 x 0,9 x 32mm* |

* to be used with reduction rings ref. 51331

REDUCTION RINGS*

| REF. | DESIGNATION | Ø |
|------------------|--------------------------|---------------|
| Pack of 5 | | |
| 51324 | Reduction ring aluminium | 25,4 / 12,7mm |
| 51331 | Reduction ring aluminium | 32 / 12,7mm |
| 51332 | Reduction ring aluminium | 25,4 / 12,7mm |

* Other diameters on request.

METALLIC CUT-OFF WHEELS

| | REF. | Ø |
|--|-------|----------------------|
| Ceramic & non-ferrous materials | | |
| DIAMOND LR | 02058 | Ø 75 x 0,5 x 12,7mm |
| | 02033 | Ø 100 x 0,5 x 12,7mm |
| | 02035 | Ø 125 x 0,5 x 12,7mm |
| | 02037 | Ø 150 x 0,6 x 12,7mm |
| | 02067 | Ø 175 x 0,7 x 12,7mm |
| | 02041 | Ø 200 x 0,9 x 32mm* |
| | 02030 | Ø 75 x 0,3 x 12,7mm |
| | 02031 | Ø 100 x 0,3 x 12,7mm |
| DIAMOND LM | 02034 | Ø 125 x 0,5 x 12,7mm |
| | 02036 | Ø 150 x 0,6 x 12,7mm |
| | 02055 | Ø 175 x 0,7 x 12,7mm |
| | 02038 | Ø 200 x 0,9 x 32mm* |
| | 02057 | Ø 75 x 0,3 x 12,7mm |
| | 02060 | Ø 100 x 0,3 x 12,7mm |
| DIAMOND LM+ | 02063 | Ø 125 x 0,5 x 12,7mm |
| | 02064 | Ø 150 x 0,6 x 12,7mm |
| | 02066 | Ø 175 x 0,7 x 12,7mm |
| | 02040 | Ø 200 x 0,9 x 32mm* |
| Composit & plastic materials | | |
| DIAMOND ELD | 02100 | Ø 100 x 1,4 x 12,7mm |
| | 02101 | Ø 125 x 1,4 x 12,7mm |
| | 02102 | Ø 150 x 1,4 x 12,7mm |
| | 02103 | Ø 175 x 1,4 x 12,7mm |
| | 02104 | Ø 200 x 1,4 x 12,7mm |

* to be used with reduction rings ref. 51331

ANTIRUST COOLANT

| REF. | DESIGNATION |
|-------|-------------|
| 01025 | 1L bottle |
| 01090 | 5L drum |
| 01026 | 10L drum |

ANTIFOAM AGENT

| REF. | DESIGNATION |
|-------|-------------|
| 01094 | 1L bottle |
| 01095 | 5L drum |
| 01096 | 10L drum |

ANTISEPTIC LIQUID

| REF. | DESIGNATION |
|-------|--------------|
| 01093 | 500CC bottle |
| 01097 | 1L bottle |
| 01098 | 5L drum |