

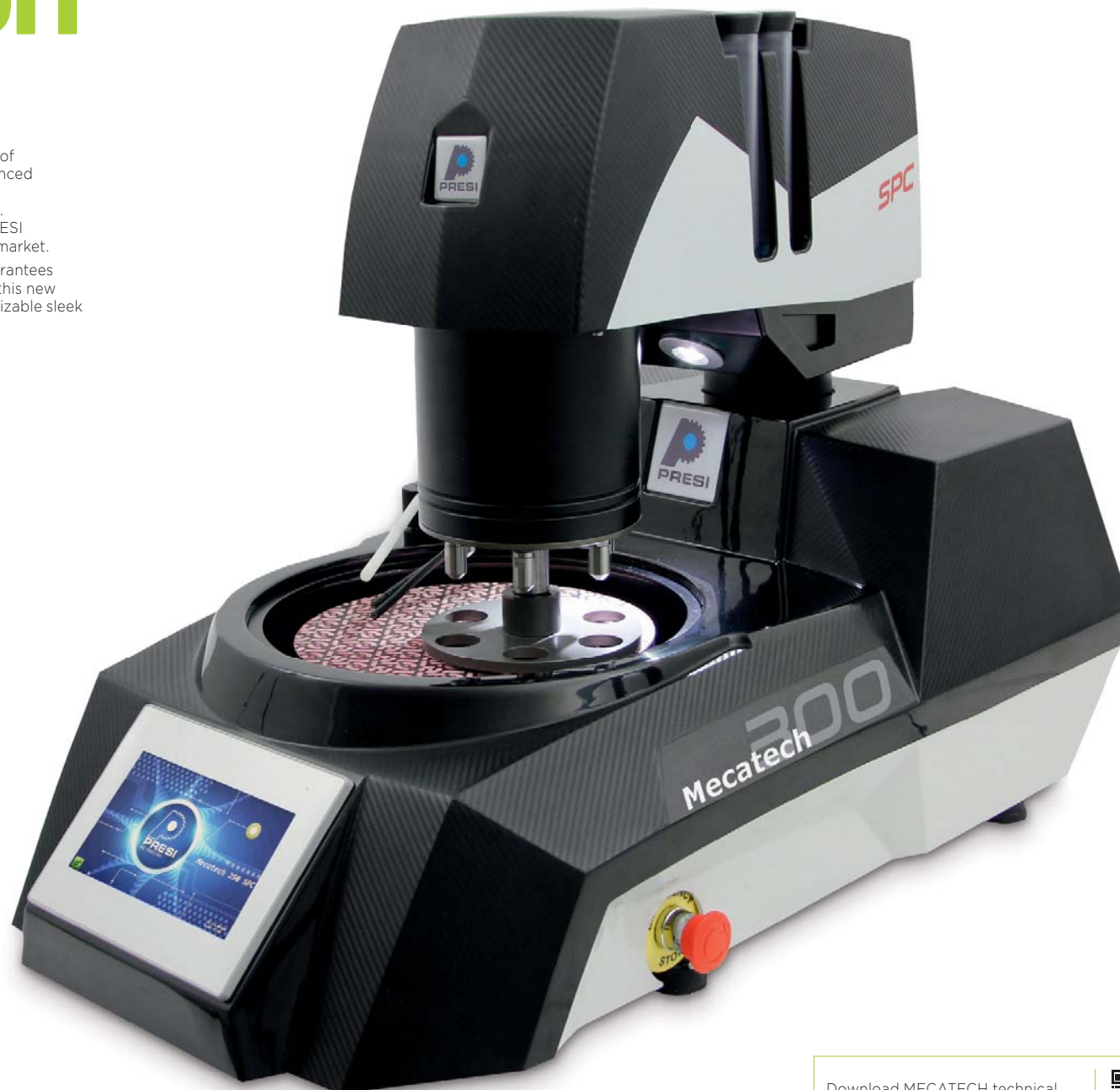
MECATECH

THE AUTOMATIC POLISHING MACHINE RANGE

Equipped with platens from Ø200 to 300mm, the new range of MECATECH automatic polishing machines has the most advanced technologies.

The MECATECH range allows both manual and automatic use. Thanks to a motor power from 750W to 1500W, the entire PRESI experience is condensed in this most complete range on the market.

Whatever the size or the number of samples, MECATECH guarantees an optimal polishing. With its affirmed style and edged lines, this new range is distinguished by its new design with an easily recognizable sleek and refined carbon look.



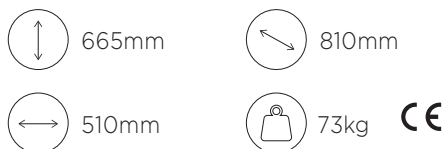
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PLATEN DIAMETERS: 200 TO 250MM

MECATECH 250 SPI

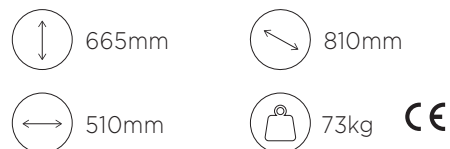
Ref. 67910



- 1 platen - 4 pistons
- Individual pressure

MECATECH 250 SPC

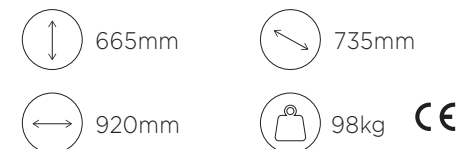
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- 1 platen - 6 pistons
- Central and individual pressure

MECATECH 250 DPC

Ref. 67930

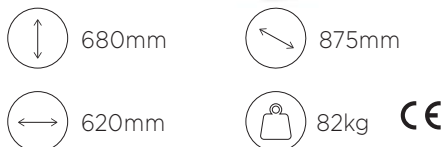


- 2 platens - 6 pistons
- Central and individual pressure

PLATEN DIAMETERS: 250 TO 300MM

MECATECH 300 SPC

Ref. 67940



- 1 platen - 6 pistons
- Central and individual pressure

MECATECH 300 SPS

Ref. 67950



- 1 platen - 8 pistons
- Central and individual pressure

CHARACTERISTICS

MACHINES	250 SPI	250 SPC	250 DPC	300 SPC	300 SPS
Number of motors	1	1	2	1	1
Number of polishing platens	1	1	2	1	1
Diameter of the polishing platen	200 to 250mm	200 to 250mm	200 to 250mm x 2	250 to 300mm	300mm
Rotation speed	20 to 700 RPM	20 to 700 RPM	20 to 700 RPM	20 to 700 RPM	20 to 700 RPM
Rotation direction	Clockwise and counter-clockwise	Clockwise and counter-clockwise	Clockwise and counter-clockwise	Clockwise and counter-clockwise	Clockwise and counter-clockwise
Nominal power S1	750W	750W	2 x 750W	900W	900W
Nominal power S3	1100W	1100W	2 x 1100W	1500W	1500W
Torque compensation	Automatic	Automatic	Automatic	Automatic	Automatic
Immediate stop of the platen	Automatic	Automatic	Automatic	Automatic	Automatic
Progressive acceleration of the platen	Automatic	Automatic	Automatic	Automatic	Automatic
Drying function	600 RPM	600 RPM	600 RPM	600 RPM	600 RPM
Spindle on bearing	✓	✓	✓	✓	✓
Base platen + anti-vibration seals	✓	✓	✓	✓	✓
Additional removable bowl	✓	✓	✓	✓	✓
Splash guard	✓	✓	✓	✓	✓
High strength mechanically welded + painted steel chassis	✓	✓	✓	✓	✓
Body RIM injection	✓	✓	✓	✓	✓
16/9 color TFT LCD touch screen 7"	✓	✓	✓	✓	✓
Simplified service and maintenance without dismantling	✓	✓	✓	✓	✓
Power supply	230V 1P	230V 1P	230V 1P	230V 1P	230V 1P
Frequency	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz
Max. current	8A	8A	8A	8A	8A
Air pressure	5 - 10 bars	5 - 10 bars	5 - 10 bars	5 - 10 bars	5 - 10 bars
Water inlet	Ø 12mm	Ø 12mm	Ø 12mm	Ø 12mm	Ø 12mm
Water outlet	Ø 32mm	Ø 32mm	Ø 32mm	Ø 32mm	Ø 32mm
Compressed air	Ø 10mm	Ø 10mm	Ø 10mm	Ø 10mm	Ø 10mm
POLISHING HEADS	250 SPI	250 SPC	250 DPC	300 SPC	300 SPS
Individual pressure	✓	✓	✓	✓	✓
Central pressure	-	✓	✓	✓	✓
Mounted samples	✓	✓	✓	✓	✓
Non mounted samples	-	✓	✓	✓	✓
Rectangular samples	✓	✓	✓	✓	✓
Rotation speed	20 to 150 RPM	20 to 150 RPM	20 to 150 RPM	20 to 150 RPM	20 to 150 RPM
Rotation direction	Clockwise and counter-clockwise	Clockwise and counter-clockwise	Clockwise and counter-clockwise	Clockwise and counter-clockwise	Clockwise and counter-clockwise
Motor power	180W	180W	180W	270W	270W
Force per specimen	0,1 - 5daN	0,1 - 5daN	0,1 - 5daN	0,1 - 5daN	0,1 - 5daN
Maximum power available	20daN	30daN	30 daN	30daN	40daN
Material removal measurement with automatic stop	-	✓	✓	✓	✓
Force controlled electronically	✓	✓	✓	✓	✓
Force reduced at start and end of cycle	✓	✓	✓	✓	✓
50mm lowering and raising of the polishing head	✓	✓	✓	✓	-
Automatic locking of the polishing head	✓	✓	✓	✓	✓
200cc (x2) lubricant included in the polishing head	✓	✓	✓	✓	✓
Sweeping function	-	-	-	-	✓

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MACHINES ACCESSORIES

ACCESSORIES



Almagtech platen
 Ø 200mm. Ref. 67822
 Ø 250mm. Ref. 67820
 Ø 300mm. Ref. 67821



Circular paper holder (metal)
 Ø 200mm. Ref. 56054
 Ø 250mm. Ref. 56055



Circular paper holder (PVC)
 Ø 200mm. Ref. 56067
 Ø 250mm. Ref. 56058
 Ø 300mm. Ref. 56069



Couvercle PVC
 Ø 250 mm. Ref. 66050
 Ø 300 mm. Ref. 66025



Ultra-quiet air compressor, 24L tank. Dimensions (WxDxH): 400x400x600mm
 Ref. 67750



Grinding recirculation tank with 5µ filter
 Ref. 67130



Set of 2 removable bowls
 Ø 250mm. Ref. 66500
 Ø 300mm. Ref. 66505

DISTRITECH 5.1

Ref. 67890

ABRASIVE SUSPENSIONS DISPENSER DEVICE

Compatible with the entire MECATECH range

- Capacity: 5 bottles of 500CC.
- Each abrasive suspension dispenser is managed by the machine.
- No risk of pollution: each bottle has its own distribution circuit.
- LED illuminated display indicates the bottle in operation.
- Colloidal silica distribution with automatic rinsing function, no risk of crystallisation.



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POLISHING HEADS ACCESSORIES

Polishing head has a:

- Powerful motor gearing driven by a frequency inverter.
- Automatic polishing head locking when the cycle starts: avoids every risk of error.
- Lateral shifting of the head to completely release the polishing platen and work in manual mode (except for the 300 SPS model)

			250 SPI	250 SPC	250 DPC	300 SPC	300 SPS
SPECIMEN HOLDERS FOR CENTRAL PRESSURE POLISHING							
57120	Specimen holder Ø 120mm	for 3 samples Ø25 to 32 mm	-	✓	✓	-	-
57126	Specimen holder Ø 140mm	for 6 samples Ø25 to 32 mm	-	✓	✓	-	-
57125	Specimen holder Ø 140mm	for 3 samples Ø30 to 40 mm	-	✓	✓	-	-
57102	Specimen holder Ø 160mm	for 6 samples Ø25 to 32 mm	-	✓	✓	✓	✓
57103	Specimen holder Ø 160mm	for 4 samples Ø30 to 40 mm	-	✓	✓	✓	✓
57104	Specimen holder Ø 160mm	for 4 samples Ø40 to 50 mm	-	✓	✓	✓	✓
57106	Specimen holder Ø 160mm annular holding	for 6 samples Ø30 mm	-	✓	✓	✓	✓
57107	Specimen holder Ø 160mm annular holding	for 4 samples Ø40 mm	-	✓	✓	✓	✓
57105	blank specimen holder	Ø 160mm	-	✓	✓	✓	✓
57119	Specimen holder Ø 170mm	for 6 samples Ø30 to 40 mm	-	✓	✓	✓	✓
57108	Specimen holder Ø 210mm	for 12 samples Ø25 to 32 mm	-	-	-	✓	✓
57109	Specimen holder Ø 210mm	for 8 samples Ø30 to 40 mm	-	-	-	✓	✓
57110	Specimen holder Ø 210mm	for 6 samples Ø50 mm	-	-	-	✓	✓
57114	Specimen holder Ø 210mm	for 6 rectangular samples 30 x 55mm	-	-	-	✓	✓
57111	Specimen holder Ø 220mm	for 3 rectangular samples 50 x 100mm	-	-	-	✓	✓
57116	Compulsory hooking system	for central pressure specimen holder	-	✓	✓	✓	✓
57162	Levelling press for samples		-	✓	✓	✓	✓

SPECIMEN HOLDERS FOR INDIVIDUAL PRESSURE POLISHING

57142	Specimen holder Ø 140mm	for 4 samples Ø30mm	✓	-	-	-	-
57141	Specimen holder Ø 150mm	for 4 samples Ø40mm	✓	-	-	-	-
57144	Specimen holder Ø 150mm	for 4 samples Ø38.1mm	✓	-	-	-	-
67830	Specimen holder Ø 150mm	for 6 samples Ø30 mm	-	✓	✓	✓	-
57145	Specimen holder Ø 160mm	for 6 samples Ø38.1mm	-	✓	✓	✓	-
67833	Specimen holder Ø 160mm	for 6 samples Ø40mm	-	✓	✓	✓	-
57143	Specimen holder Ø 170mm	for 3 samples Ø50mm	-	✓	✓	-	-
67835	Specimen holder Ø 170mm	for 6 samples Ø50mm	-	-	-	✓	-
67838	Specimen holder Ø 180mm	for 8 samples Ø30mm	-	-	-	-	✓
67837	Specimen holder Ø 190mm	for 8 samples Ø40mm	-	-	-	-	✓
67836	Specimen holder Ø 200mm	for 8 samples Ø50mm	-	-	-	-	✓

REDUCTION RINGS FOR SPECIMEN HOLDERS

67850	1 reduction ring	Ø 50mm --> Ø 25mm	-	✓	✓	✓	✓
67851	1 reduction ring	Ø 50mm --> Ø 25.4mm	-	✓	✓	✓	✓
67852	1 reduction ring	Ø 50mm --> Ø 30mm	-	✓	✓	✓	✓
67853	1 reduction ring	Ø 50mm --> Ø 31.7mm	-	✓	✓	✓	✓
67854	1 reduction ring	Ø 50mm --> Ø 38.1mm	-	✓	✓	✓	✓
67855	1 reduction ring	Ø 50mm --> Ø 40mm	-	✓	✓	✓	✓
67856	1 reduction ring	Ø 40mm --> Ø 25mm	✓	✓	✓	✓	✓
67857	1 reduction ring	Ø 40mm --> Ø 25.4mm	✓	✓	✓	✓	✓
67858	1 reduction ring	Ø 40mm --> Ø 30mm	✓	✓	✓	✓	✓
67859	1 reduction ring	Ø 40mm --> Ø 31.7mm	✓	✓	✓	✓	✓

SPECIMEN HOLDERS FOR CENTRAL PRESSURE POLISHING



Specimen holder Ø 120mm
Ref. 57120
Specimen holder Ø 140mm
Ref. 57125



Specimen holder Ø 160mm
Ref. 57102
Specimen holder Ø 140mm
Ref. 57126



Specimen holder Ø 160mm
Ref. 57103



Blank specimen holder
Ref. 57105



Specimen holder Ø 160mm annular holding
Ref. 57106



Specimen holder Ø 160mm annular holding
Ref. 57107



Compulsory hooking system
Ref. 57116



Levelling press for samples
Ref. 57162

SPECIMEN HOLDERS FOR INDIVIDUAL PRESSURE POLISHING



Specimen holder Ø 150mm Ref. 67830
Specimen holder Ø 160mm Ref. 67833
Specimen holder Ø 170mm Ref. 67835



Specimen holder Ø 200mm Ref. 67836
Specimen holder Ø 180mm Ref. 67838



Specimen holder Ø 140 to 150mm Ref. 57141
Ref. 57142
Ref. 57144



Special individual pressure plate for thin blade

REDUCTION RINGS FOR SPECIMEN HOLDERS



SPECIFIC HOLDERS ON REQUEST

