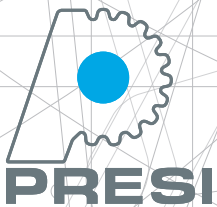


MECAPLAN 350



 POLISHING

MECAPLAN
350
Ref. 54200



MECAPLAN 350

AUTOMATIC STONE GRINDING MACHINE

MECAPLAN 350 is an automatic stone grinding machine that allows rapid and extensive removal of material while preserving the integrity of the samples. Powerful, fast and spacious, it optimizes the polishing processes with a considerable saving of time and saving use of consumables. Designed for intensive use, this machine is particularly suitable for laboratories or workshops that perform many tests and deal with large samples.

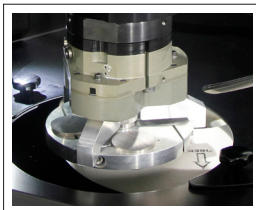
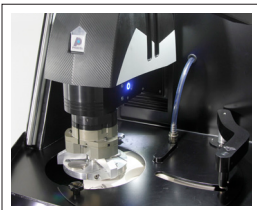
- ⊙ POWERFUL
- ROBUST
- 👍 FAST

Stability and power

Machine designed to achieve rapid stone grinding by applying high force and low vibration. With a powerful engine, the MECAPLAN 350 is a stable and robust machine thanks to its solid frame.

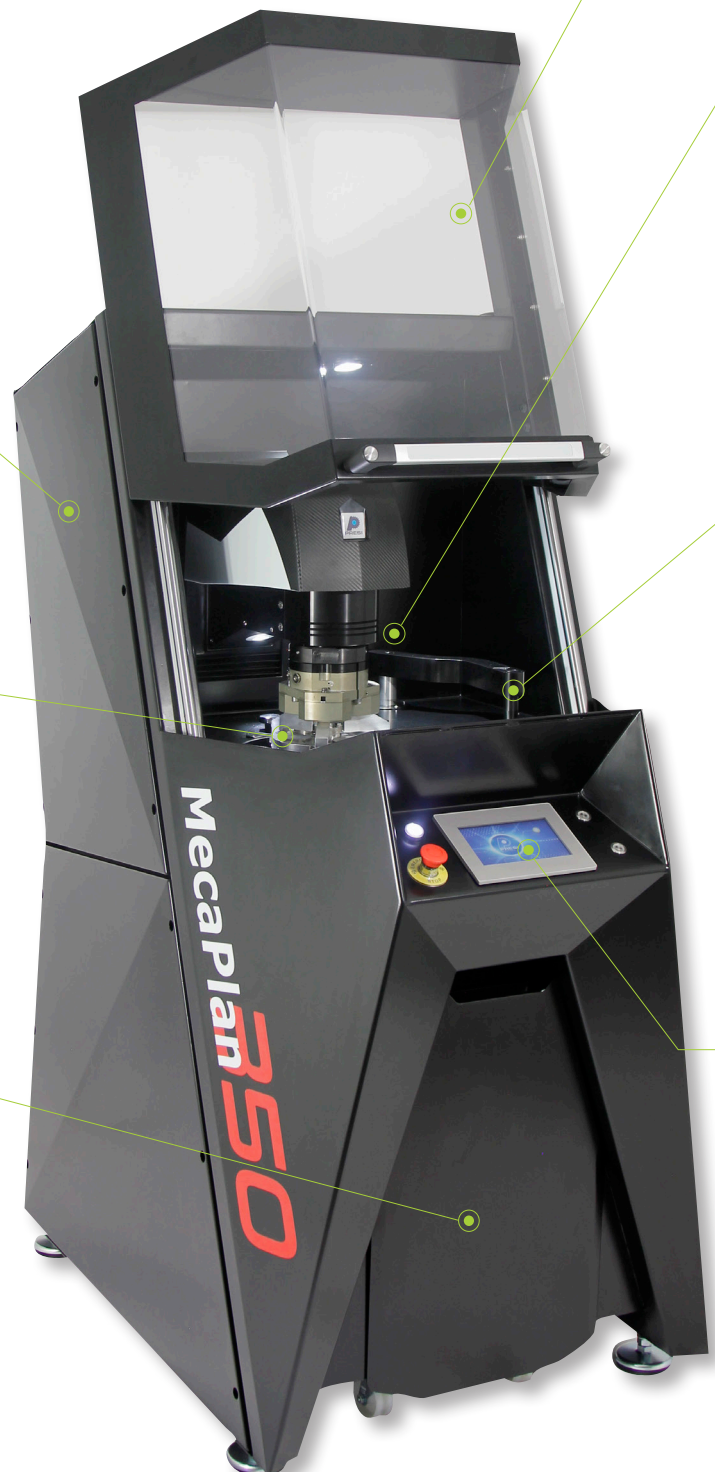
Specimen holders

- Ø up to 220 mm
- Accepts any type of specimen holders, including those other than PRESI



Integrated filtration and recycling unit

- Allows the recovery of residual materials during grinding.
- Easy access for maintenance.



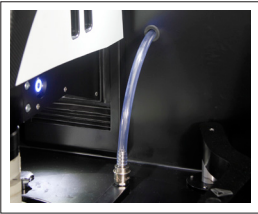
User protection

- Transparent protective cover which secures the work area in case of possible ejection of a sample badly fixed.
- Reopening of the hood only when the machine stops.



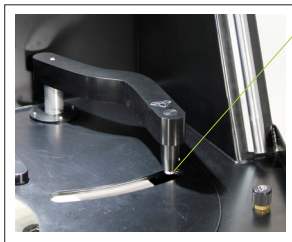
Flushing nozzle

Built-in cleaning spray for quick rinsing of the polishing area for longer machine life.



Automatic diamond dressing system

- With automatic surface sensor and material removal sensor, it can grind the grinding wheel to restore its flatness and abrasiveness.
- Guaranteed maximum performance with accurate results and perfect sample surface quality.



Diamond for dressing



Large color touchscreen

- 7" TFT LCD color display, 16/9
- Ergonomic and intuitive user interface
- Optimization of the grinding process via quick and easy adjustment of the material removal rate.



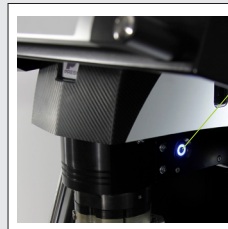
ROBUSTNESS & CHARACTER



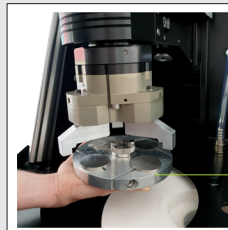
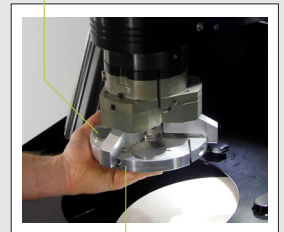
With its affirmed style and edged lines, this machine stands out with an easily recognizable sleek, refined and futuristic design look.

EASY OF USE AND MAINTENANCE

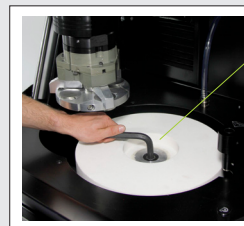
SPECIMEN HOLDER CHANGE



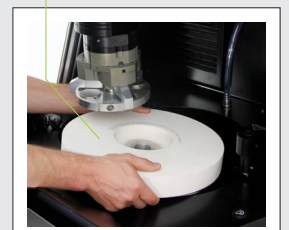
A simple press of this blue button allows the unlocking of the specimen holder



GRINDING WHEEL CHANGE



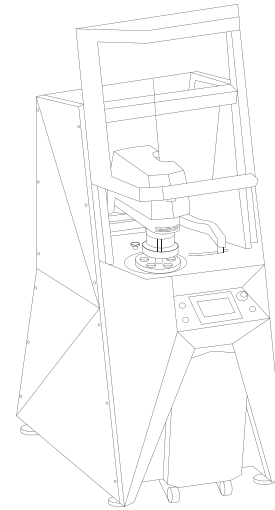
Fast and easy replacement of the grinding wheel



TECHNICAL FEATURES

POLISHING HEAD

Central pressure	✓
Diameter specimen holders	up to 220 mm
Mounted or non mounted samples	✓
Rectangular samples	✓
Head movement	Automatic
Rotation speed	100 to 200 RPM
Rotation direction : clockwise and counter-clockwise	✓
Motor power	500 W
Maximum power available	5-100 daN
Material removal measurement with automatic stop	✓
Force controlled electronically	✓
Force reduced at start and end of cycle	✓
Polishing head's vertical articulation: 150mm	✓



CE



500 kg



1240 mm



806 mm

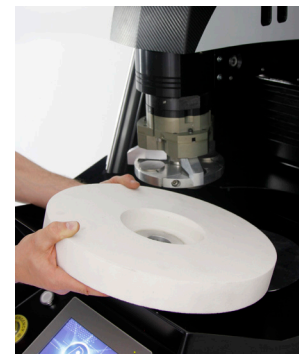


Closed hood
1850 mm

Open hood
2300 mm

GRINDING WHEEL

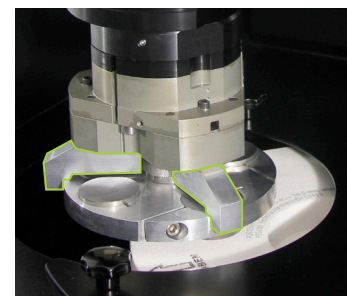
Diameter of the grinding wheel	356 mm
Rotation speed	1000 to 2000 RPM
Rotation direction : clockwise and counter-clockwise	✓
Nominal power S1	5500 W
Nominal power S3	9000 W
Constant torque	✓
Immediate stop of the platen	✓
Progressive acceleration of the grinding wheel	✓
TFT LCD 7" 16/9 colour touch screen	✓
Secure cover with interlocking	✓
LED spot light on head and machine	✓
Voltage	400 V three-phases
Frequency	50 Hz
Max. current	21 A
Air pressure	5 - 10 bars
Compressed air	Ø 10 mm
Cleaning head shower	✓
Integrated recycling system	✓



MACHINE ACCESSORIES

CLAMPING VICE

54210	Clamping vice Ø 120mm	for specimen holder Ø 120 mm
54211	Clamping vice Ø 140mm	for specimen holder Ø 140 mm
54212	Clamping vice Ø 160mm	for specimen holder Ø 160 mm
54213	Clamping vice Ø 170mm	for specimen holder Ø 170 mm
54214	Clamping vice Ø 210mm	for specimen holder Ø 210 mm
54215	Clamping vice Ø 220mm	for specimen holder Ø 220 mm



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