

CUTTING

MOUNTING

POLISHING

HARDNESS & MICROSCOPY



VIBROTECH 300

POWERFUL. EFFICIENT. SILENT.

Automatic vibration polishing machine

BY PRESI



innovate.

THE PRESI SIGNATURE. ALL AROUND THE WORLD.





VIBROTECH 300, the automatic vibration polishing machine

BY PRESI

A reliable and robust machine.

VIBROTECH 300 is a vibration polishing machine of Ø 305 mm made with robust, industrial-grade materials and components and all the PRESI know-how in the design of laboratory machines.

Vibration polishing.

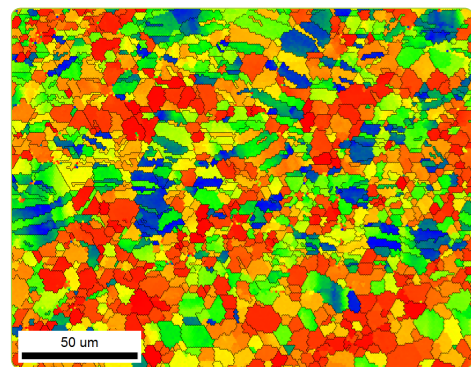
Vibration polishing is an ultra-soft technique suitable for the super-finishing stages and particularly for the samples to be analyzed in EBSD (electron backscatter diffraction) or AFM (atomic force microscopy). This polishing method makes it possible to save inclusions and to eliminate surface hardening. The VIBROTECH 300, thanks to a mechano-chemical action, allows in certain cases to reveal the microstructure of a sample.

Anti-rust feature.

Limits the crystallization and corrosion of the polished surface of the sample in the absence of the operator at the end of the polishing cycle. This function preserves the integrity of the sample.

Flexibility of use.

The vibration frequency and amplitude of the VIBROTECH 300 can be changed in real time.



EBSD mapping



ROBUSTNESS AND CHARACTER

With its affirmed style and sliced lines, this new range is distinguished by its new design with a sleek and refined easily recognizable.

Hood

Transparent hood attached to the machine and easy to clean.

Use

Quick and easy installation of the polishing bowl. Electrically assisted removal of the tank. Easy installation of the clamping flange of the polishing pad.

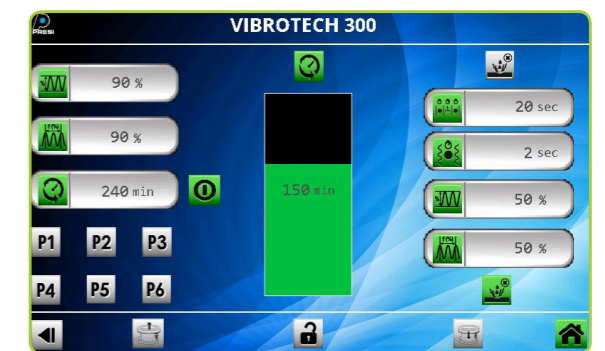
PRESERVED SAMPLES

Once the hood is closed, the polishing bowl and its samples are preserved from all surrounding pollutions.



Large touchscreen

- 7" TFT LCD color display, 16/9
- Ergonomic and intuitive user interface
- Many features:
 - Real time variation of polishing amplitude and frequency
 - Timer with a visual or audible end of cycle alarm
 - Machine start protected by password



Memorization

- Possibility to create different polishing methods
- Memorization of polishing methods
- Perfect reproducibility of the results

Silent operation

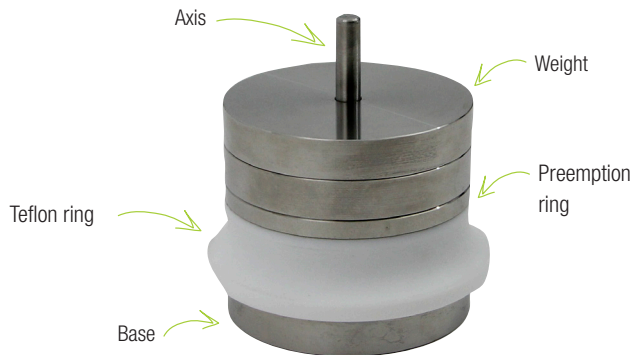
PRESI developed a system allowing the VIBROTECH to transmit very little vibration to the work surface, which provides significant silence in a laboratory environment.

TECHNICAL FEATURES

VIBROTECH 300	
Machine reference	68100
Ø polishing bowl	308 mm
Sample polishing ability	up to 21 simultaneous
Polishing cloths	Ø 300 à 305 mm
Suitable polishing cloths	Adhesive or PAD-Mag
Vibration frequency	80 - 110 Hz
Rotation direction	Clockwise
Vibration bowl power	519 W
Power supply	230 VAC
Frequency	50 - 60 Hz
16/9 color TFT LCD touch screen 7"	✓
Hood	Transparent
Progressive acceleration	✓
Interchangeable polishing bowls	✓
Dimensions L x H (closed hood) x P	715 x 396 x 554 mm
Weight	90 kg
Compliance	CE

SAMPLE HOLDER

Features	Ø25	Ø30	Ø38,1	Ø50
	Ø25,4	Ø31,7	Ø40	
Weight of the rack (g)	360	425	545	675
Max. capacity weight	4	4	4	4
Weight per unit (in g)	150	180	255	340
Sample holder max. weight (in g)	960	1145	1565	2035



ACCESSORIES

Storage rack for consumables



Ref. 57157

Draining for plates storage Ø 200 à 300 mm



Ref. 57155

Modular storage box (3 to 18 samples)



Ref. 19005

Ultrasonic tanks



Ref. 61101 à 61108

Sample holder + Levelling plate



Ø25 mm	Ref. 68110
Ø25,4 mm	Ref. 68111
Ø30 mm	Ref. 68112
Ø31,7 mm	Ref. 68113
Ø38,1 mm	Ref. 68114
Ø40 mm	Ref. 68115
Ø50 mm	Ref. 68116

PRESI, IT'S ALSO...

CUTTING



EVO 400

MOUNTING



Mecapress 3

POLISHING



Mecattech

HARDNESS & MICROSCOPY



HZ50-4 hardness tester

CONSUMABLES



Abrasive discs



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