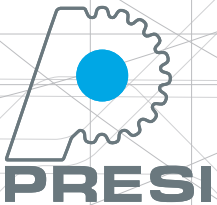


# VIBROTECH 300



 POLISHING

VIBROTECH  
300

Ref. 68100



# VIBROTECH 300

THE AUTOMATIC VIBRATION POLISHING MACHINE BY PRESI

## VIBRATION POLISHING TECHNOLOGY

Vibration polishing is an ultra-soft technique suitable for the super-finishing stages and particularly for the samples to be analysed in EBSD (Electron Backscatter Diffraction) or AFM (Atomic Force Microscopy). This polishing method makes it possible to save inclusions and to eliminate surface hardening. Very easy to use, the frequency and amplitude of the vibrations can be modified in real time.

 **EFFICIENT**

 **ROBUST**

 **SILENT**

### Hood

Transparent hood attached to the machine and easy to clean.

### Maintenance

- Quick and easy installation / removal of the polishing bowl.
- Removable bowl = easy cleaning

### Sample holder

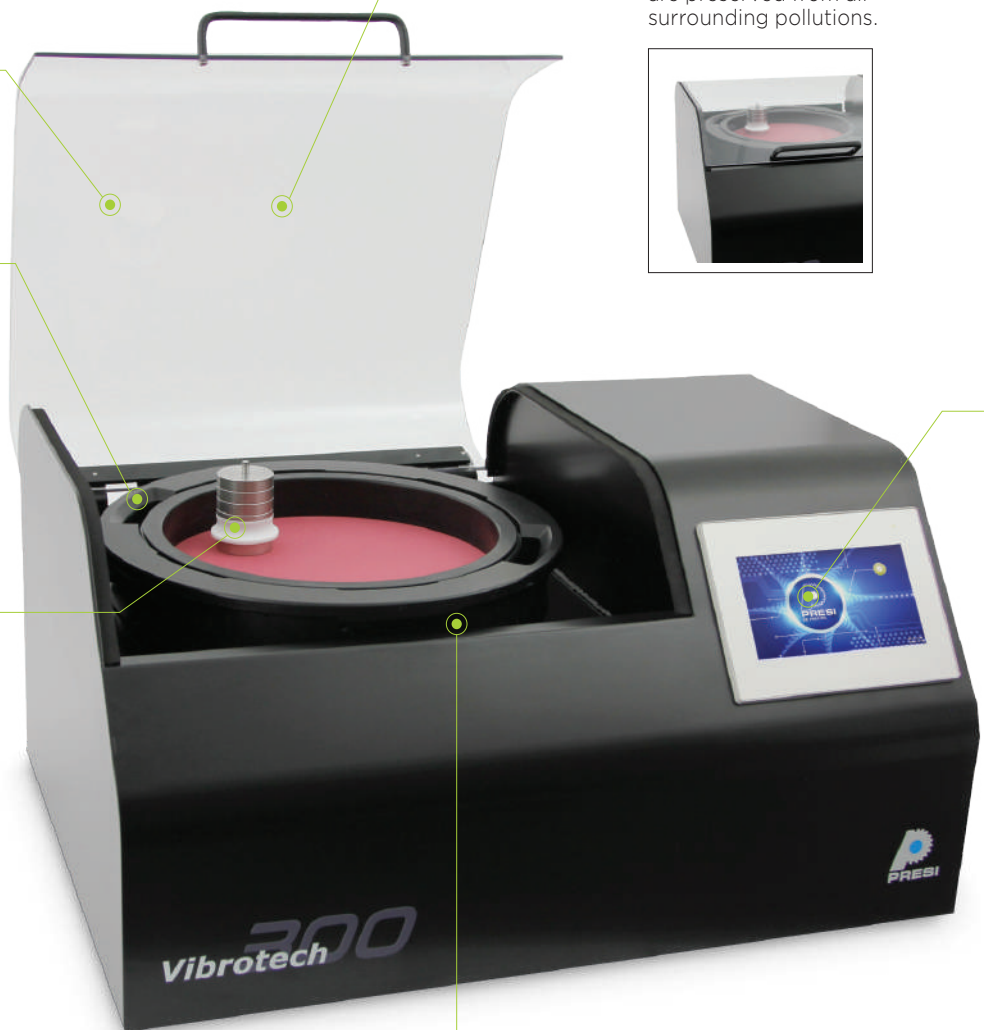
- Ø 25 to 50 mm
- Wide range of weights

### Silent operation

The « silent-block » anti-vibration feet eliminate vibration transmission to the work surface, which significantly reduces the noise of the machine.

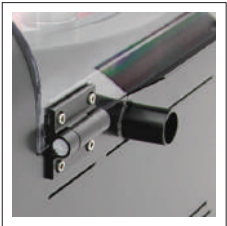
### Preserved samples

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



### Polishing bowl

- Removable bowl maintained by a powerful electromagnetic system.
- Polishing clothes : Ø 300 to 305 mm
- Adhesive or PAD-Mag polishing clothes



### Security

External evacuation that can be connected to a vapor extractor.

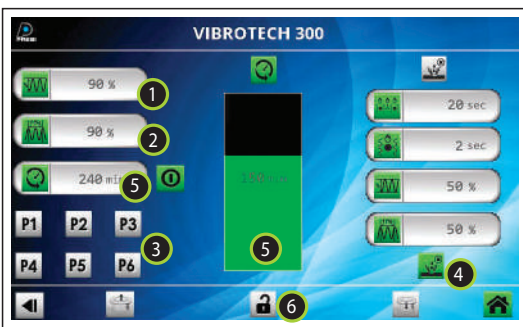


### USB connectivity

A USB connection makes it possible to save the integrity of the registered polishing methods and ensures the evolution of the material.

### Large color touchscreen

- 7" TFT LCD color display, 16/9
- Ergonomic and intuitive user interface



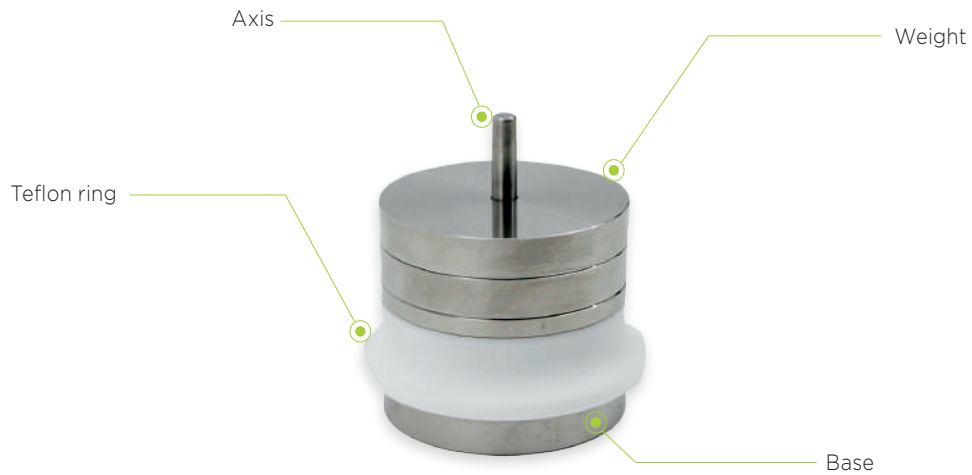
- ① Real time variation of polishing amplitude
- ② Real time variation of polishing frequency
- ③ Memorization :
  - Possibility to create different polishing methods up to 6 programs
  - Perfect reproducibility of the results
- ④ Anti-rust feature: preserves the integrity of the sample. Limits the crystallization of the abrasive solution, preserves the polishing cloth and eliminates corrosion of the sample in the absence of the operator at the end of the polishing cycle.
- ⑤ Polishing progress displayed via a countdown and a bar graph
- ⑥ Locked screen to prevent mishandling



Ø polishing bowl	308 mm
Sample polishing ability	up to 21 simultaneous
Polishing cloths	Ø 300 to 305 mm
Suitable polishing clothes	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 opened hood (mm)	W = 715 / H = 676 / D = 554
Dimensions closed hood (mm)	W = 715 / H = 396 / D = 554
Weight	90 kg

## SAMPLE HOLDER

FEATURES	Ø 25 Ø 25,4	Ø 30 Ø 31,7	Ø 38,1 Ø 40	Ø 50
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	2 035



## SAMPLE HOLDER + LEVELLING PLATE

Ref.	Ø
68110	Ø 25 mm
68111	Ø 25,4 mm
68112	Ø 30 mm
68113	Ø 31,7 mm
68114	Ø 38,1 mm
68115	Ø 40 mm
68116	Ø 50 mm



## EBSD MAPPING

