

Mikrosize®

MVibra-300

Vibration Polishing Machine



Contact us

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Product Feature & Application

Product Feature

- Adopts the spring plate and magnetic suction motor to produce vibration in the left and right directions, but the spring plate connecting the polishing disc and the vibratory body has an angle, which makes the sample move circularly on the polishing disc.
- It can make horizontal vibration and maximum increase the contact time with the polishing cloth, which would not generate damage layer and deformation layer.
- It can effectively remove and avoid the characteristics of floating, embedded and plastic rheological defects.
- With the final polishing suspension, it can effectively remove the final thin deformed layer on the surface of the sample and improve the light reflectivity of the sample surface to obtain the perfect metallographic observation image.
- The machine has a novel and beautiful appearance, with adjustable vibration frequency and working voltage.
- It adopts high-definition touch screen operation, which is convenient and intuitive.
- The polishing disc has a detachable structure, making it easy to replace polishing consumables.
- Multiple samples can be placed at once without the need for personnel to be on duty. After setting the parameters, users can leave and wait for the samples to automatically complete vibration polishing.
- The machine also supports for delay start for schedule usage.
- With standby mode, it can effectively prevent suspension condensation.
- It can save and call multiple parameters, suitable for the preparation of different materials.

Product Application

- It is suitable for preparing high quality polished surfaces on various materials, including the application of electron back scatter diffraction (EBSD).



Technical Specification

| | |
|--------------------------|-------------------|
| Model | MVibra-300 |
| Disc Diameter | 300mm |
| Polishing Cloth Diameter | 300mm |
| Power | 500W |
| Voltage Range | 100-220V |
| Frequency Range | 45-200Hz |
| Max. Setup Time | 0~99hour |
| Sample Holding Diameter | Φ25mm,Φ30mm,Φ40mm |
| Power Supply | 220V, 50Hz, 8A |
| Dimensions | 490*570*350mm |
| Net Weight | 62kg |



Packing List

| | |
|------------------------------------|------------|
| Name | |
| Machine Mainframe | 1 Set |
| Sample Holder | 6 PCS |
| 3mm, 5mm Inner Hexagon Spanner | 1 PC ea. |
| 300mm Polishing Cloth | 2 PCS |
| W0.5 Suspension | 1 PC |
| Individual sets of Holders | 6 Sets |
| Weights | 4 PCS |
| Leveling plate | 1 PC |
| Instruction Manual | 1 Copy |
| Product Certificate, Warranty Card | 1 Copy ea. |