

# Mikrosize®

## MVibra-300

### Vibration Polishing Machine



### Contact us

**Mikrosize Precision Instrument Co.,Ltd**

A-4035 RuiFeng Business Expo, Wuhu City, China , 241000.

Web: [www.mikrosize.com](http://www.mikrosize.com)

Email: [mikrosize@mikrosize.com](mailto:mikrosize@mikrosize.com)



Web: [www.mikrosize.com](http://www.mikrosize.com)

Email: [mikrosize@mikrosize.com](mailto:mikrosize@mikrosize.com)

## 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.