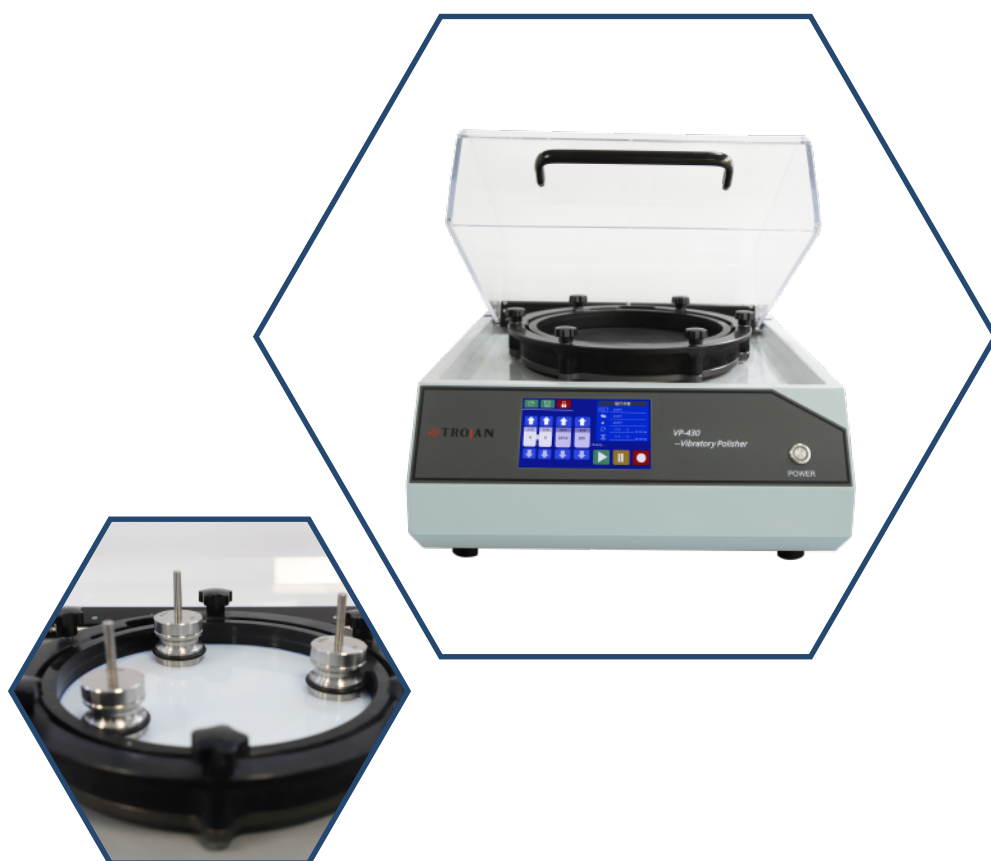


VP-430

Vibratory Polisher

GRINDING/POLISHING

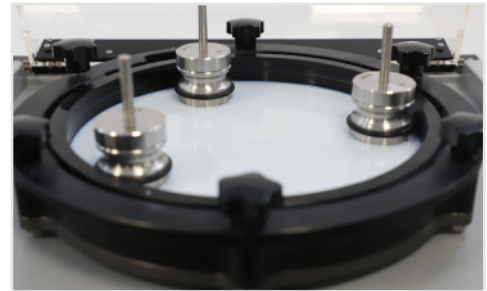


2024
10 / 16

TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD

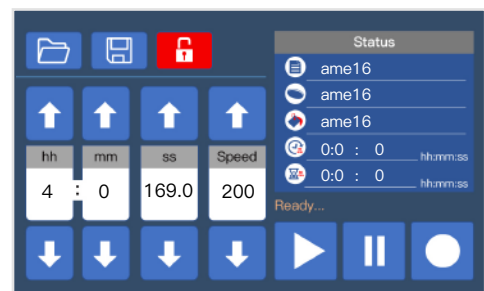
VP-430 Vibratory Polisher

VP-430 vibration polishing machine can minimize the wearing of sample, eliminate surface stress, bring excellent flatness with less stress deformation. It is an ideal preparation equipment for EBSD (backscattered electron diffraction), AFM (atomic force microscope) & SEM (scanning electron microscopy) analysis and Nano indentation or micro-hardness testing. The equipment is particularly suitable for surface polishing on soft and ductile materials such as Titanium, Aluminium, pure Copper and Copper alloys, Aluminium alloys, steel and Nickel-based alloys.



Features:

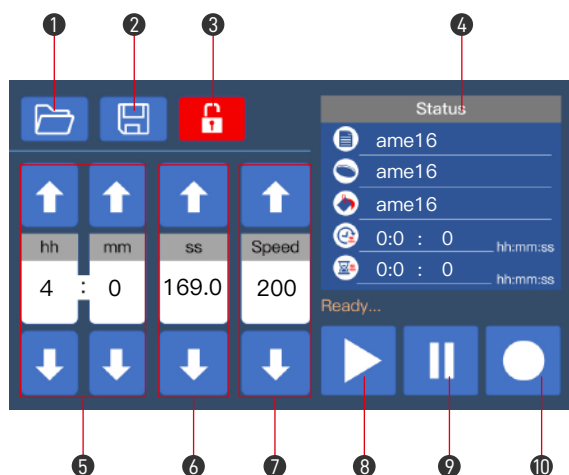
- ♦ Low power consumption& noise design with piezoelectric vibratory plate, light weight but stable in operation;
- ♦ Simple panel design, easy to operate;
- ♦ Easily replacement design on disc, convenient to change and clean;
- ♦ 7-inch touch screen interface, 20 customized programs can be saved;
- ♦ Automatically adjust frequency;
- ♦ Replaces electrolytic polishing, more environmentally friendly.



Technical Data:

| Model | | VP-430 |
|-----------------------|-------------------|---|
| Working Plate | Diameter | 12" (305mm) |
| | Sample Holder | 1" / 1.25" / 1.5" / 2" (customized according to customer needs) |
| Electrical | Voltage/Frequency | 100~240V / 50 / 60Hz |
| | Rated Power | 50W |
| | Time Setting | 9999hours |
| Rotation Speed | | 1-20rpm (Depends on the weight of the sample, here are the results for a single sample weighing about 150g) |
| Vibration Frequency | | 40~400Hz |
| Operating Environment | Temperature | -20°C - 60°C |
| | Humidity | 0-95%RH |
| Dimension | WxDxH | 518x570x384mm (open: 518x663x686mm) |
| Weight | | 53kg |

Control Panel Introduction:



- | | |
|-----------------------|---------------------|
| 1 Procedure selection | 2 Save |
| 3 Screen lock | 4 Running status |
| 5 Timer setting | 6 Frequency setting |
| 7 Speed | 8 Start |
| 9 Pause | 10 Stop |

Related Consumables & Accessories:



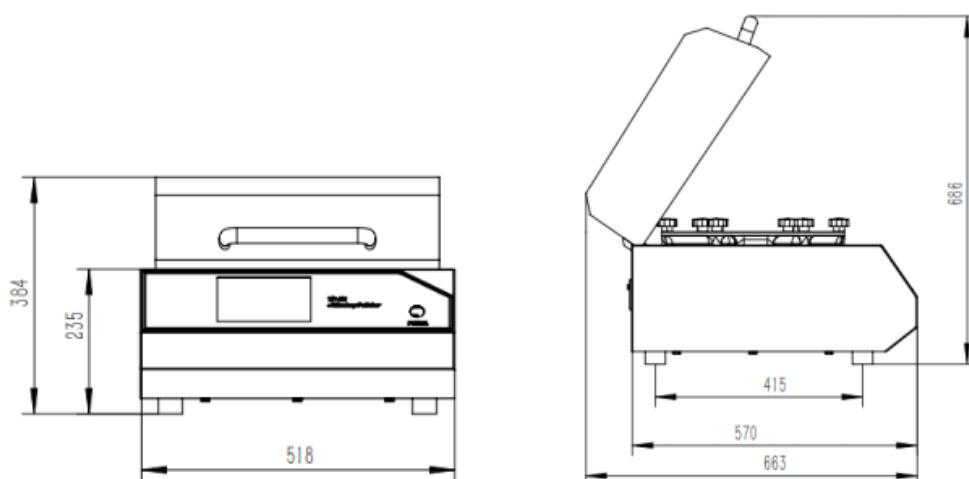
Polishing Cloth









Alumina/Silica suspension

Dimension Figure

Unit: mm



Standard Accessories:

| | | | | |
|---|-----------------|---|---------------------|------|
| 1 | Gradienter |  | | 1pcs |
| 2 | Specimen holder |  | Φ30mm | 3set |
| 3 | Allen wrench |  | M4 Allen wrench | 1pcs |
| 4 | Levelling block |  | 304 stainless steel | 1pcs |
| 5 | Polishing cloth |  | YR-JP (300mm) | 1pcs |
| 6 | Power cord |  | 1.5m | 1pcs |

Optional Accessories:

| | | | |
|---|-----------------|--|---|
| 1 | Specimen holder |  | Φ25mm, Φ32mm, or other customized type |
|---|-----------------|--|---|

Purchase list:

Polishing Cloth:

| | | 12in(300mm) | Package |
|------------------------|--|-------------|---------|
| Intermediate Polishing | SR-ZP Red Synthetic Fibric Polishing Cloth (PSA) | 05.02.170 | 10pcs |
| Final Polishing | ET-JP White Synthetic Velvet Polishing Cloth (PSA) | 05.03.230 | 10pcs |
| | YR-JP Brown Synthetic Rayon Polishing Cloth (PSA) | 05.04.330 | 10pcs |
| | ZN-ZP Black Polyurethane Polishing Cloth (PSA) | 05.01.130 | 10pcs |

Precision polishing suspension and polishing powder:

| | 0.05μm | 0.3μm | 1μm | Package |
|------------------------------------|---------------|-----------|-----------|------------|
| AO-W Alumina Polishing Suspension | 06.04.210 | 06.04.220 | 06.04.230 | 500ml |
| AO-P Alumina Polishing Powder | 06.13.011 | 06.13.021 | 06.13.031 | 500g |
| Super Alumina Polishing Suspension | 06.04.410/414 | — | — | 500ml/1.9L |
| Super Alumina Polishing Powder | 06.14.010 | 06.14.020 | — | 1LB |

Colloidal Silica Polishing Suspension:

| SO-T401 | SO-A439 | SO-A539 | Package |
|-----------|-----------|-----------|---------|
| 06.05.310 | 06.07.310 | 06.07.522 | 500ml |
| 06.05.320 | 06.07.320 | 06.07.520 | 1000ml |
| 06.05.350 | 06.07.322 | 06.07.524 | 1.9L |



TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD

Tel: +86-512-65283666

Email: sales@trojanchina.com

Web: www.trojanworld.com

Add: Building 26, No.228 Gongtang Road, Luzhi Town, Wuzhong Suzhou, China

