

VP-430

Vibratory Polisher

GRINDING/POLISHING



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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:

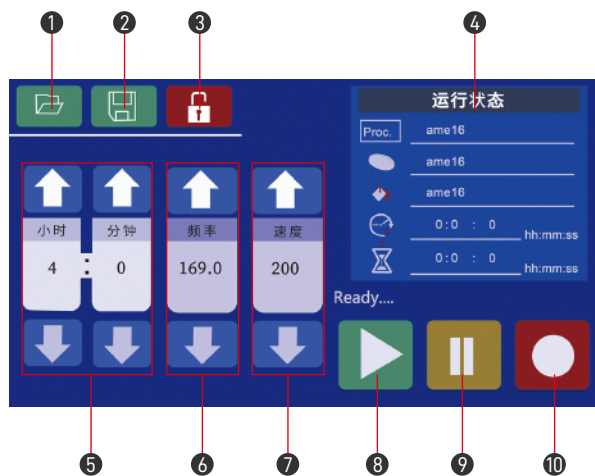
- ◆ Low power consumption & noise design with piezoelectric vibratory plate, light weight but stable in operation;
- ◆ Simple panel design, easy to operate;
- ◆ Easily replacement design on disc, convenient to change and clean;
- ◆ 7-inch touch screen interface, 20 customized programs can be saved;
-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



Technical Specifications:

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



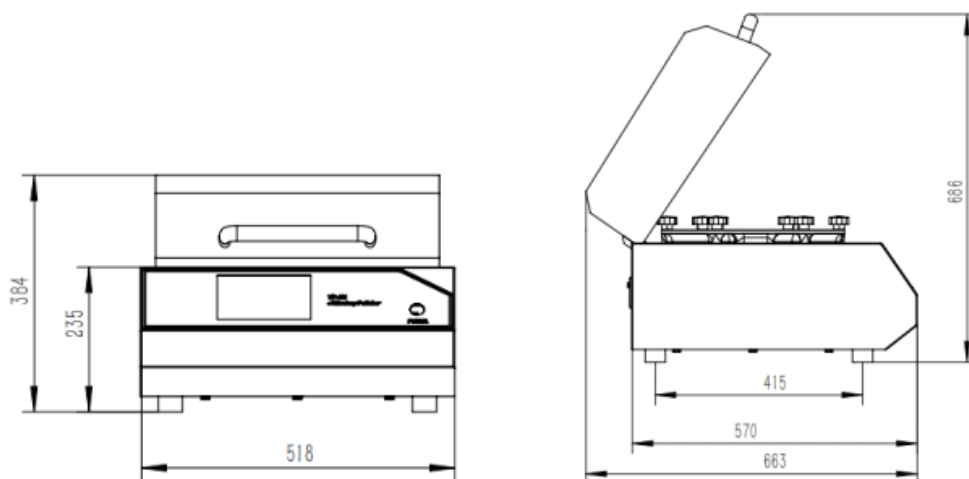
Diamond Suspension









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		220V,10A,1.5M	1pcs

Optional Accessories:

1	Specimen holder		Φ25mm,Φ32mm, or other customized type	3set
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Purchase list:

Polishing Cloth:

		8in (203mm)	10in (254mm)	12in (305mm)	Package
Rough Polishing	YS-JP White Fiber Polishing Cloth(PSA)	05.07.710	05.07.720	05.07.730	10pcs
	GF-JP White Synthetin Silk Polishing Cloth (PSA)	05.10.010	05.10.020	05.10.030	10pcs
Fine Polishing	SR-ZP Red Synthetic Fabric Polishing Cloth (PSA)	05.02.150	05.02.160	05.02.170	10pcs
	SC-JP White Natural Silk Polishing Cloth (PSA)	05.05.510	05.05.520	05.05.530	10pcs
	CS-JP Blue Synthetin Silk Polishing Cloth (PSA)	05.12.110	05.12.120	05.12.130	10pcs
Final Polishing	ZN-ZP Black Polyurethane Polishing Cloth (PSA)	05.01.110	05.01.120	05.01.130	10pcs
	ET-JP White Synthetic Velvet Polishing Cloth (PSA)	05.03.210	05.03.220	05.03.230	10pcs
	YR-JP Brown Synthetic Rayon Polishing Cloth (PSA)	05.04.310	05.04.320	05.04.330	10pcs
	Final Red Final Precision Polishing Cloth(Adhesive Back)	05.13.110	05.13.120	05.13.130	10pcs

Polycrystalline Diamond Suspension:

0.25um	0.5um	1um	3um	6um	9um	Package
06.01.110-1	06.01.120-1	06.01.130-1	06.01.140-1	06.01.150-1	06.01.160-1	500ml

Purchase list:

Monocrystalline Diamond Suspension:

0.25um	0.5um	1um	3um	6um	9um	Package
06.02.210	06.02.220	06.02.230	06.02.240	06.02.250	06.01.160	500ml

Precision polishing suspension and polishing powder:

	0.05µm	0.3µm	1µm
Alumina Suspension(500ml)	06.04.210	06.04.220	06.04.230
Alumina Polishing Powder(1LB)	06.13.011	06.13.021	06.13.031
	500ml	1000ml	5000ml
SO T401 Non-Crystallizing Silica(50nm)	06.05.310	06.05.320	06.05.330
100C30 silica suspension(50nm)	06.08.310	06.08.311	06.08.312
SO A539 silica suspension(50nm)	06.07.520	06.07.523	



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