

HandPoli-1/2

Manual Grinding Polishing Machine



Contact us

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Feature and Application

Product Feature

- Supports rough grinding, fine grinding, rough polishing and fine polishing of metallographic specimens.
- Stepless speed regulation with three custom preset speeds.
- High-efficiency low-noise motor delivers stable and quiet operation.
- Precision grinding work plate guarantees flat specimen surface.
- High-strength composite material housing, rust-proof and wear-resistant.
- High-strength aluminum alloy castings enhance equipment stability and service life.
- Physical button operation for reliable control; digital tube display.
- Standard grinding plate size: 203 mm (8 inch); optional 254 mm (10 inch); custom sizes available.
- Adjustable rotational speed range: 100 ~ 1000 rpm.

Product Application

- Metallographic analysis & failure analysis testing.
- Semiconductor industry, wafer thinning & polishing.
- Mold processing & surface optimization.
- Precision finishing of metal components.



Product Structure



- | | | |
|---------------------------------|--------------------------|--------------------------------|
| 1. Water Tap | 2. Grinding Plate | 3. Water Retaining Ring |
| 4. Emergency Stop Button | 5. Control Panel | |



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|---|---------------------------------|
| 1. Rotational Speed Display | 2. Processing Time |
| 3. Three-speed Preset Function | 4. Time Setting Key |
| 5. Speed Increase Key | 6. Speed Decrease Key |
| 7. Forward/Reverse Rotation Switch | 8. Cooling Water Control |
| 9. Start / Stop Button | |

Product Detail

Detailed Structure Display

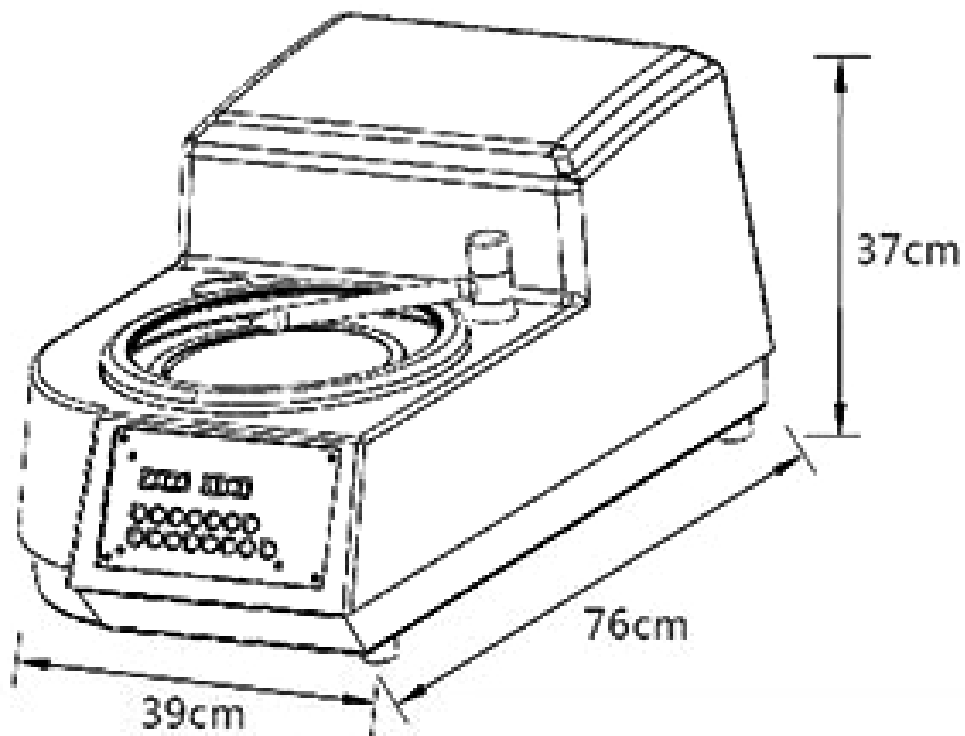
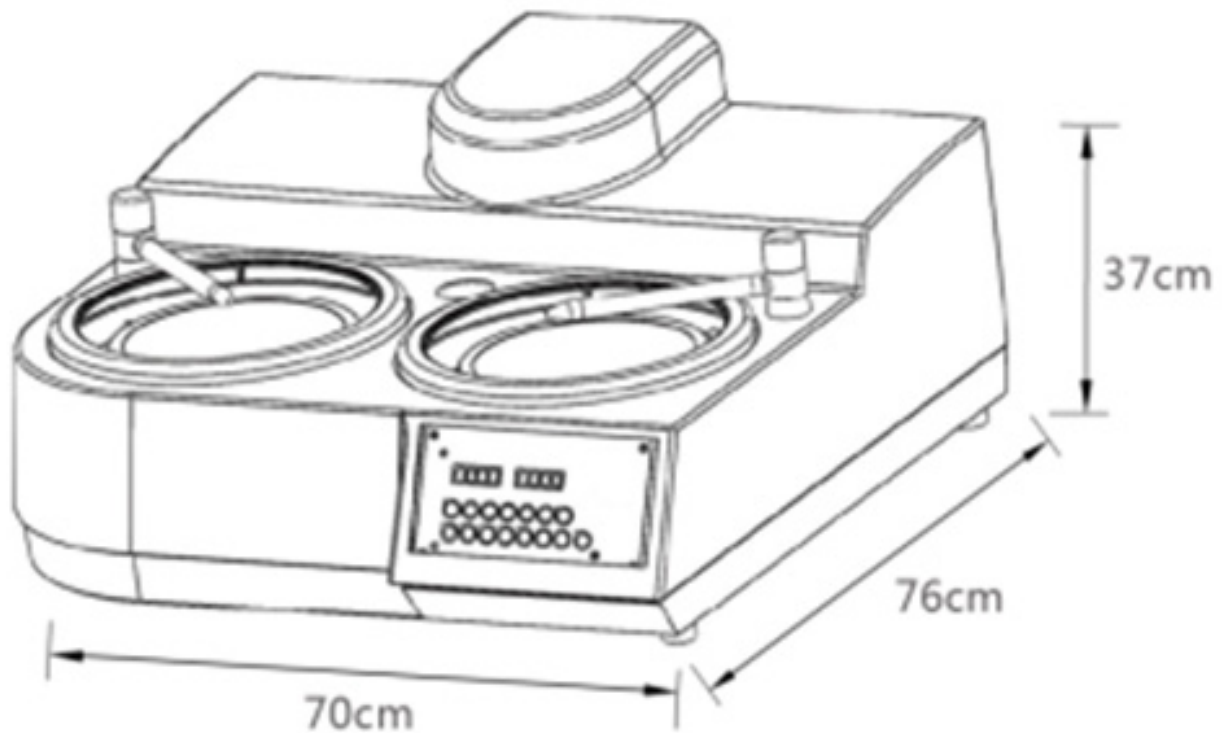


- Quick-change grinding plate design
- Aluminum retaining rings for fixing consumables
- Outer water retaining ring to prevent splashing water



- Freely adjustable water tap (direction & distance)
- Stainless steel construction, corrosion-resistant & durable

Overall Dimension



Ordering Information



HandPoli-1 Manual Grinding Polishing Machine

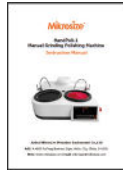


HandPoli-2 Manual Grinding Polishing Machine

Technical Specification

Name	Manual Grinding & Polishing Machine	
Model	HandPoli-1	HandPoli-2
Work Plates Quantity	1	2
Work Plate diameter	Standard: 203 mm (8 inch); Optional: 254 mm (10 inch); Custom Sizes Supported	
Work Plate rotational speed	100~1000 RPM, Three Customizable Preset Speeds	
Rotation Direction	Forward & Reverse Switchable	
Display Mode	Digital Tube	
Control Mode	Physical Button Control	
Motor Power	750w	
Power Supply	Single-Phase 220 V	

Standard Delivery

Name	Qty	Photo
Main Unit	1pc	
Abrasive Sandpaper	25pcs	
Polishing Cloth	2pcs	
Retaining Ring	1pc	
Water Retaining Ring	1pc	
Dust Cover	1pc	
Instruction Manual	1copy	
Product Certificate	1copy	
Warranty Card	1copy	

Optional Delivery

Optional

Diamond Grinding Plate

Back-Adhesive Magnetic Plate

Magnetic Anti-Adhesion Plate

Diamond Spray Suspension

Diamond Suspension Liquid

Diamond Polishing Compound

Alumina Polishing Powder

Alumina Suspension Liquid

Silica Suspension Liquid

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