



# MPoli-250M/300M

**Manual Metallographic Grinding and Polishing Machine**



**Video**



## Contact us

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## Features and Applications

### Product Features

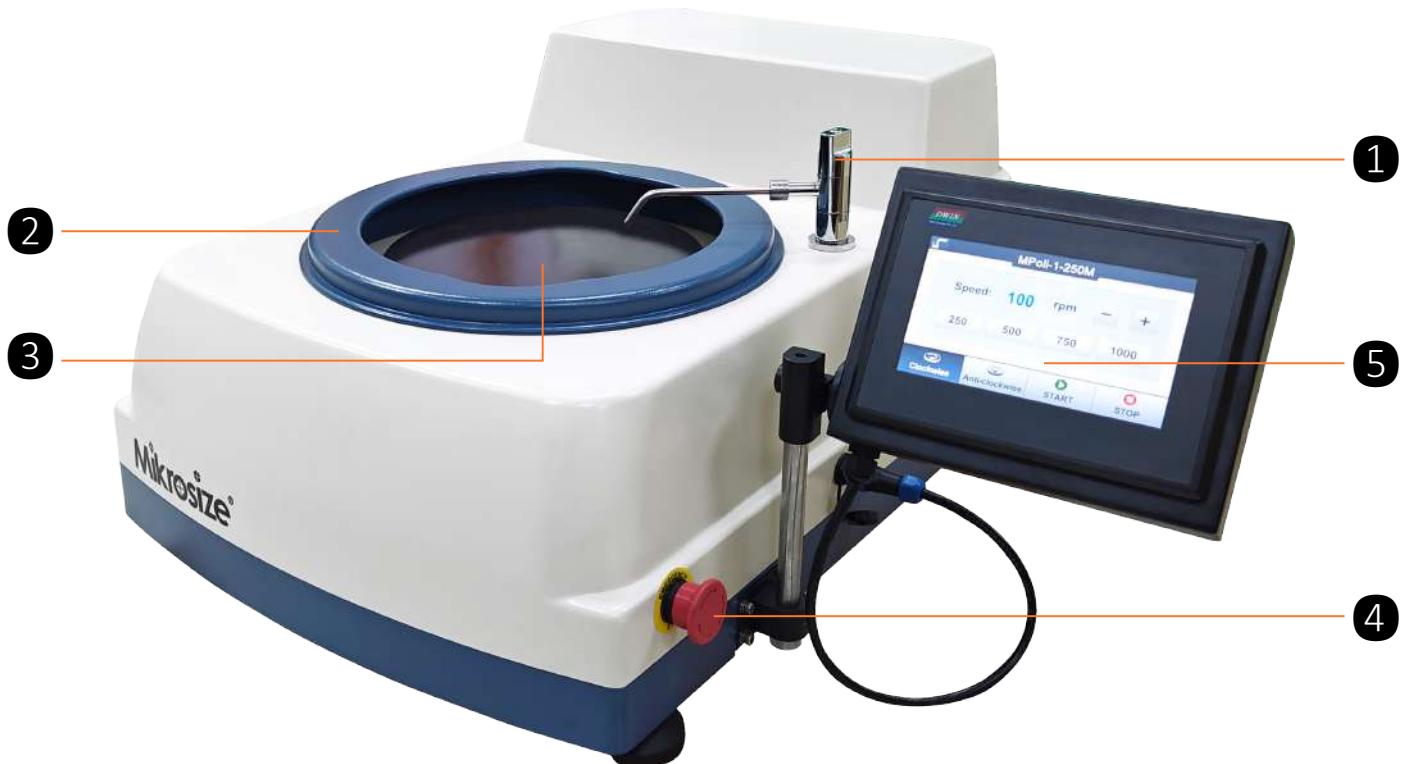
- 7 - inch LCD touch screen.
- The machine body is integrally formed with ABS material, which is corrosion - resistant and durable.
- It adopts a servo motor, with low noise and strong power.
- Grinding disc has four - level fixed speeds and supports stepless speed regulation, with a speed range of 50 - 1000 r/min.
- The rotation direction is adjustable, and it can be switched between clockwise and counter-clockwise directions at any time.
- Equipped with a magnetic disc. With a Teflon non - stick disc, rapid disc replacement can be achieved.
- Equipped with a cooling water pipe, the direction can be rotated and adjusted.
- Electromagnetic water valve allows for controlling water on and off through the touch screen.



### Product Applications

- Preparation of metallographic specimens of various metal materials such as steel, aluminum alloys, and copper alloys.
- Used in the grinding and polishing processes during chip manufacturing to improve the performance and reliability of chips.
- Grinding and polishing the surfaces of rock and mineral specimens to observe their internal structures, mineral compositions, and other information.
- Used for teaching demonstrations and scientific research.

## Product Details



**1.Water Faucet**      **2.Splash Guard**      **3.Grinding And Polishing Disc**  
**4.Emergency Stop Button**      **5.Touch Screen**



**1.Ouch Screen Interface**

# Product Details



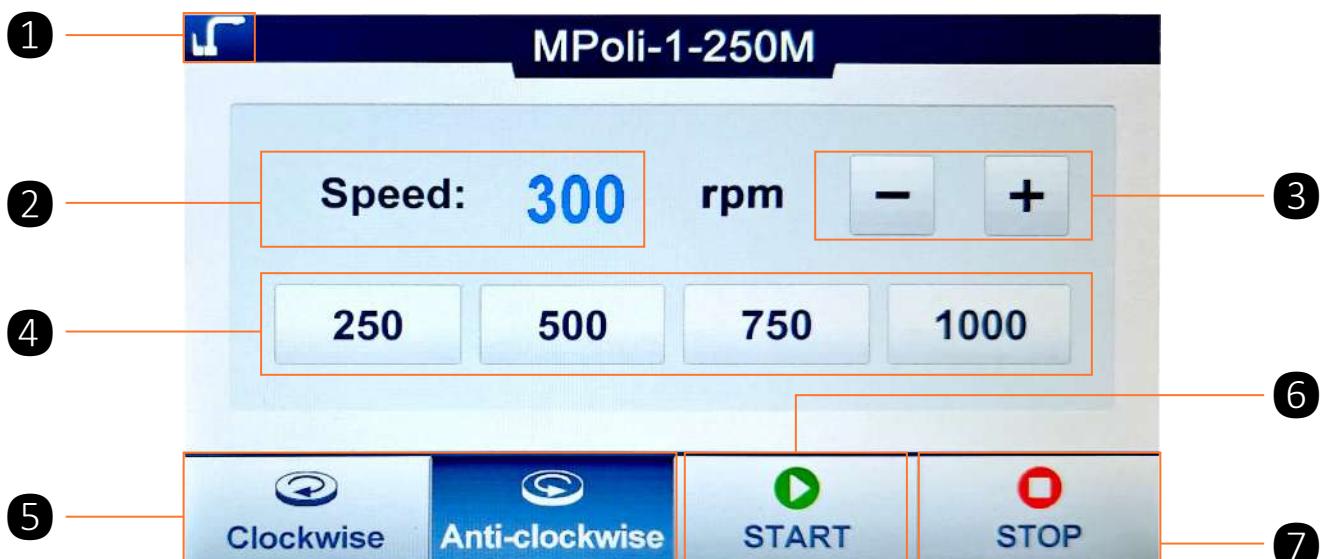
**1.Power Cord Interface**

**2.Switch**

**3.Water Inlet**

**4.Water Outlet**

## Display Screen



**1.Water Faucet Control Switch**

**2.Rotation Speed Value: Click To Manually Enter The Value**

**3.Rotation Speed Increase And Decrease Adjustment Keys: The Adjustment Step Is 50 Rpm Each Time**

**4.Four - Level Fixed Speed**

**5.Rotation Direction Selection Key**

**6.Start**

**7.Stop**

## Ordering Information



MPoli-1-250M Manual Metallographic Grinding and Polishing Machine  
MPoli-1-300M Manual Metallographic Grinding and Polishing Machine



MPoli-2-250M Manual Metallographic Grinding and Polishing Machine  
MPoli-2-300M Manual Metallographic Grinding and Polishing Machine

# Technical Specification

<b>Name</b>	Metallographic grindingpolishing machine			
<b>Model</b>	MPoli-1-250M	MPoli-1-300M	MPoli-2-250M	MPoli-2-300M
<b>Disc Type</b>	Single disc		Dual disc	
<b>Grinding Polishing Disc Diameter</b>	254mm	300mm	254mm	300mm
<b>Abrasive Paper Diameter</b>	250mm	300mm	250mm	300mm
<b>Rotation Speed</b>	Stepless speed regulation 50 - 1000 r/min			
<b>Rotation Direction</b>	Switchable clockwise and counterclockwise			
<b>Motor</b>	Servo motor, 220V, 1.5kW			
<b>Display And Operation</b>	7 - inch high - definition LCD touch screen Automatic water - out function			
<b>Input Power Supply</b>	Single - phase 220V, 50Hz, 8A			
<b>Machine Overall Dimensions</b>	800×800×360mm	800×800×360mm	1200×800×360mm	1200×800×360mm
<b>Net Weight</b>	50kg	57kg	85kg	95kg

# Standard Delivery

Name	Qty	Photo
Machine Mainframe	1	
Grinding And Polishing Disc $\Phi 254\text{mm}$	1	
Magnetic Disc $\Phi 250\text{mm}$ (Already Adhered To The Grinding Disc)	1	
Non - Stick Disc $\Phi 250\text{mm}$	4	
Self - Adhesive Abrasive Paper $\Phi 250\text{mm}$	6	
Self - Adhesive Polishing Cloth $\Phi 250\text{mm}$	2	
Water Inlet Pipe	1	
Water Outlet Pipe	1	
Water Inlet Filter	1	
Allen Wrenches 3mm; 5mm	each 1	
Instruction Manual	1	
Product Certificate	1	

# Optional Delivery

Name	Qty	Photo
Sandpaper	1	
Polishing Cloth	1	
Magnetic Disc	1	
Non - Stick Disc	1	
Diamond Suspension (Single - Crystal, Polycrystalline)	1	
Diamond Spray Polishing Agent	1	

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