

# MIDLAND METROLOGY LIMITED

## **uPoli-200M/230M/250M/300M**

Manual Metallographic Grinder Polisher



# Product Feature & Application

## Product Feature

PIC control, rotate speed, rotate direction, work time, water valve, etc all can be set on touch screen directly, operation very easy.

Setting data can save automatically, next test can be used directly, greatly improved working efficiency.

Touch screen interface: convenient setting of grinding and polishing parameters, direct display of status and simple operation.

Multi-usage, metallographic specimen of coarse grinding, fine grinding, coarse and fine polishing, one machine to complete.

Support both manual work mode and automatic work mode: Manual mode: Four-level constant speed mode: 300/500/600/800r/min.

Automatic mode: Eight sections programmable control, 100-1000r/min stepless speed, automatically stop.

The parameters of each mode can be set by the user; Stepless speed setting can be realized at every phase of grinding and polishing.

Water drop position can be rotated to adjust. Easily replace magnetic anti-sticking dish, can make all kinds of sample of coarse and fine grinding, coarse and fine polishing all process.

Work rotating direction: both counterclockwise and clockwise.

By using the electromagnetic valve to control the water on and off, machine start work water cooling system automatic work, machine stop work water cooling automatic stop.

Single or Dual disc, change grinding paper or polishing cloth can do grinding & polishing work

Low noise, stable working performance and beautiful outlook.

With Emergency Button. Polishing liquid dropper optional.



**uPoli-1-200M/230M/250M/300M**



**uPoli-2-200M/230M/250M/300M**



**Optional Polishing Dropper**

## Product Application

Metallurgical laboratory use for sample preparation. Single or Dual plates and with water cooling system. Rotating direction support clockwise and anticlockwise. Support stepless speed and constant speed, easy operation.

# User Friendly



Touch Screen



Operation Button



Water Dropping



Water Dropping



Platen



Platen



Platen



Platen

# User Friendly



Emergency Button



Water in/out



Electricity



Heat radiating

# Optional Automatic Polishing Dropper PD-4



PD-4

## Product Feature:

PD-4 Automatic polishing dropper can be used in various grinding and polishing machines. The dropper can automatically drop the polishing fluid onto the grinding disc or polishing disc at the required speed to achieve the purpose of polishing. The PD-4 Automatic Polishing Dipper provides four channels for simultaneous addition of different polishing media at different speeds.

- Four channels are set separately and work at the same time.
- Connecting polishing machine, drops liquid according to polishing parameters setting.
- Three working modes: Manual, Linking, Fully automatic.
- Each mode can be set independently: dropping speed, dropping time.
- Automatically clean the dropping tube.
- Dropping speed can be customized.
- Can be expanded into 6 channels or 8 channels.

# Optional Automatic Polishing Dropper PD-4



PD-4

The Linking start-stop mode needs to be connected with the automatic grinding and polishing machine. When the machine starts to work, the dropping starts to run automatically. After the machine stops working, the dropping will stop working. The automatic mode accepts and drops according to the process parameters from the grinding & polishing machine.

# Ordering Information



**uPoli-1-200M/230M/250M/300M**  
**Touch Screen Single Plate Manual Metallographic**  
**Grinder Polisher**



**uPoli-2-200M/230M/250M/300M**  
**Touch Screen Dual Plates Manual**  
**Metallographic Grinder Polisher**

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# Technical Specification

Model	uPoli-1-2M	uPoli-1-2M	uPoli-1-2M	uPoli-1-M
Product Name	Touch Screen Single Plate Manual Metallographic inder Polisher			
Model Product	uPoli-2-2M	uPoli-2-2M	uPoli-2-2M	uPoli-2-M
Name Disc	Touch Screen Dual Plates Manual Metallographic inder Polisher			
Diameter	2mm	2mm	2mm	1 mm
Rotating Speed	 S e ss: 1-1rmin			
Rotate direction	ockwise - ticlockwise			
Operation Mode	Touch Screen			
Motor	W			
Working Mode	Manual			
Power supply	2 W			
Dimension(mm)(uPoli-1)				
Net Weight(kg)(uPoli-1)	2			
Dimension(mm)(uPoli-2)				
Net Weight(kg)(uPoli-2)				

# Packing List

Item	Quantity	Item	Quantity
Waterproof ring	2	Triangle ale	1
Magnetic working disc	2	Ten tape	1
Inlet pipe ~	1	Quick screw connector	1
Outlet pipe ~ 2	1	Touch pen	1
Ruer gasket	1	Diamond suspension micron 2 ml	1
Filter screen ( mesh doule layer)		hook	1
Sandpaper (with ack adhesie ) 1 1	ach 2	Polishing cloth (with ack adhesie) Flocking (rown) canas	ach 1
Operating instruction	1	rtificate	1

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