

NANO Polishing S/M Manual



Preparation for Metallographic Sample & Analysis

NANO POLISHING MANUAL

1. Equipment Introduction

- * NANOPOL D/M Polisher is a general Grinding & Polishing Manual Grinder.
- * ABS / SUS / Coated Aluminum and other materials for superior durability.
- * Slow start & Auto Stop function provides safety and fast operation speed.
- * Easy installation with simple switch, low noise, suitable for laboratory, clean design.
- * Apply disc paper and polishing cloth without plate exchange by applying Magnetic Plate System Can be used.
- * Maximize durability by using On / Off switch with excellent waterproof function.
- * The initial rotation direction is counterclockwise (ccw) and can be changed clockwise (cw) in accordance with the request and the rotation speed (RPM) is 50-800 RPM.
(Subject to change upon request)
- * The Polishing Disc uses the default 8 ". (10 " & 12" option specification)
- * Warranty : Free of charge A / S in case of failure within 1 year after wearing the equipment.

2. Specification

1) Grinding / Polishing Disc

- Diameter 8" (10" , 12" Option)
- Speed 50 ~ 800RPM.
- Rotational direction CCW (CW Option)

2) Supply

- Voltage / Frequency 220V / 50 ~ 60HZ
- Power Load 1200W (S/M 600W)
- Current Max 10A (S/M 5A , T/M 15A)
- Water Inlet Air Hose 8mm
- Water Outlet Hose 32mm

3) Dimension and weight

- Width 800mm (S/M 400, T/M 1200)
- Depth 600mm
- Height 250mm
- Weight 60kg (S/M 30kg, T/M 90kg)

4) Includes

- Water Inlet Air Hose 8mm 1.5M*2, Water Filter*2
- Water Outlet Hose 32mm 2M*2 + Outlet EL.
- Power Cable*2, Guide Ring*2, Water Cover*2.



NANOPOL D/M



NANOPOL S/M

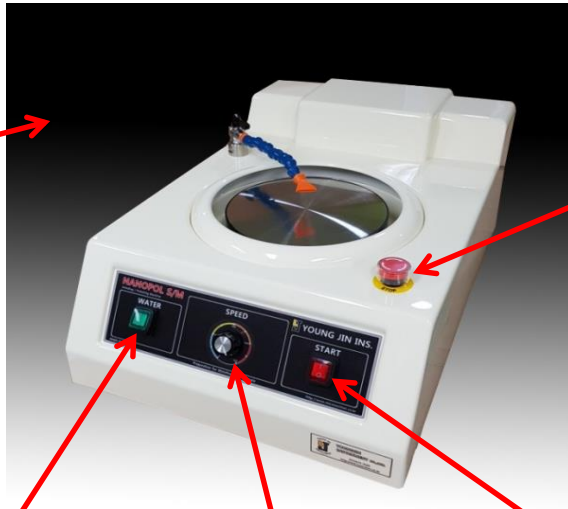
3. Install and use the equipment.

- 1) Water Inlet : Connect the air hose to the PCF ¼ 8mm on the back of the equipment.
- 2) Water Outlet : Connect the drainage elbow to the back of the equipment and connect the
32mm spiral hose.
- 3) Power ON : Connect the power cable to the back of the equipment and turn on the main power switch
- 4) Turn on the red power switch on the front and adjust the rotation speed to Speed Volume.
- 5) After checking the plate rotation, turn on the green water switch and adjust the amount of water
with the upper needle valve.
- 6) Mount Disc Paper & Polishing Cloth on the plate with guide ring and start Grinding & Polishing.
(Guide Ring is not required when using Magnetic Plate System)

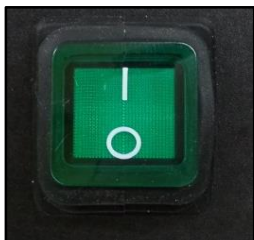
4. Name of each part



Water 조절용 Valve



비상 & 간편
Switch



Water On / Off
방수 Switch



Speed Volume

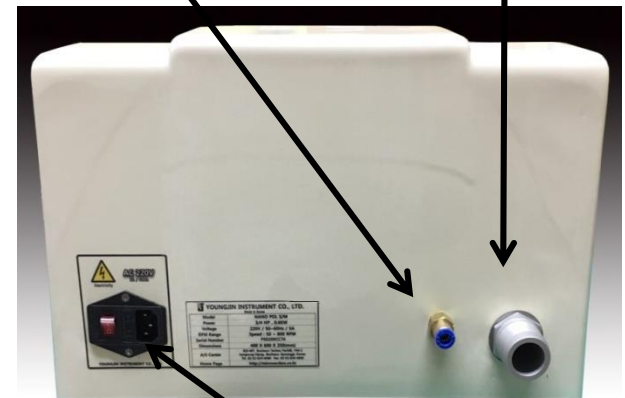


전원 On / Off
방수 Switch

Water Inlet



Water Outlet



Main Power On / Off
Switch