



BULUPOL-4
DOUBLE DISC GRINDER / POLISHER
WITH AUTO HEAD



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1 TECHNICAL SPECIFICATIONS

Dimensions of machine	70 X 63 X 65 cm
Case dimensions	80 X 80 X 49 cm
Weight (net/gross)	70 / 110 kg
Motor	0,55 KW
Wheel speed	100 - 500 rpm (adjustable)
Mains	220 Volt, 50 Hz
Disc dia	200 mm (250 mm on request)

1.1 STANDART ACCESSORIES

- ✓ 200 mm aluminum top discs and magnets (2 pcs),
- ✓ Stainless steel discs (5 pcs), flexible water hose and control valves, flexible water hose for drain connection.
- ✓ Self-adhesive emery paper (220 grit) 10 pcs
- ✓ Self-adhesive emery paper (400 grit) 10 pcs
- ✓ Self-adhesive emery paper (600 grit) 10 pcs
- ✓ Self-adhesive emery paper (800 grit) 10 pcs
- ✓ Self-adhesive polishing cloth 10 pcs
- ✓ Diamond paste (3-6 microns)
- ✓ Alumina suspension (500 gr)

1.2 TECHNICAL SPECIFICATIONS OF DEVICE

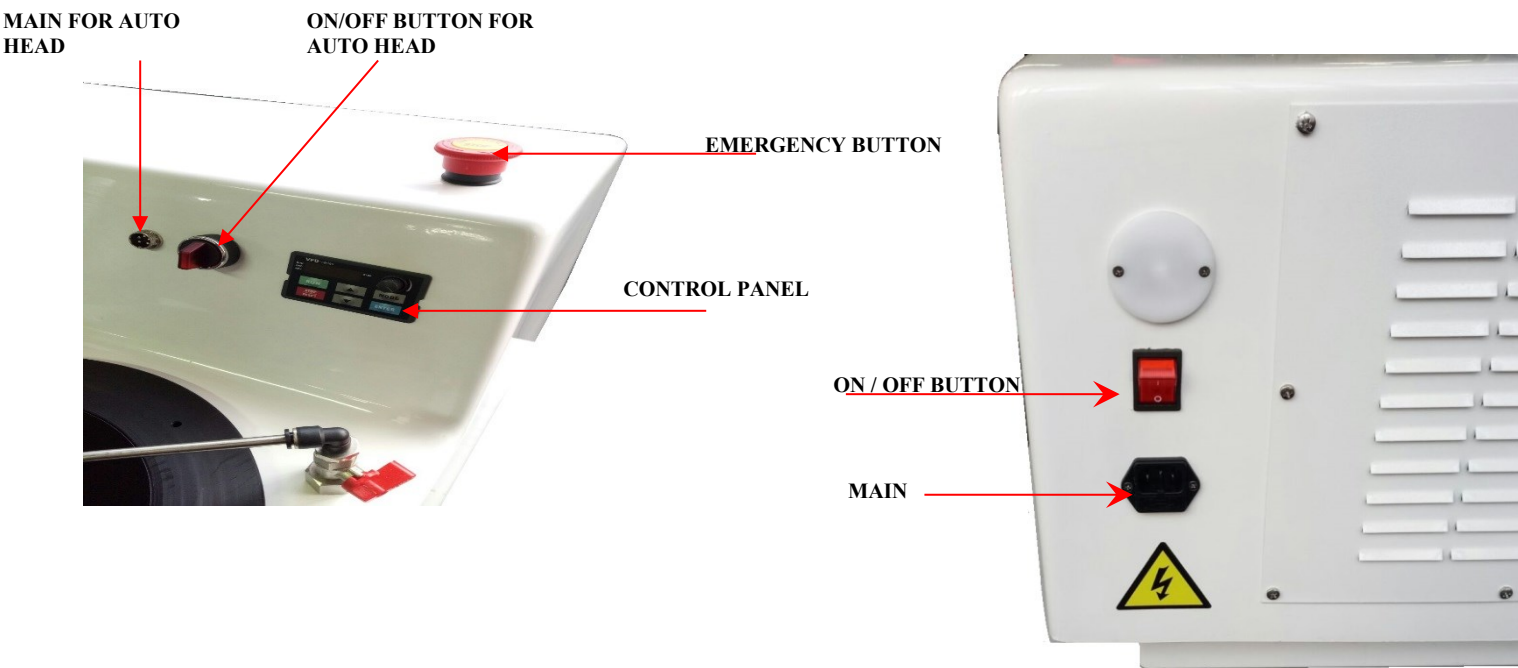
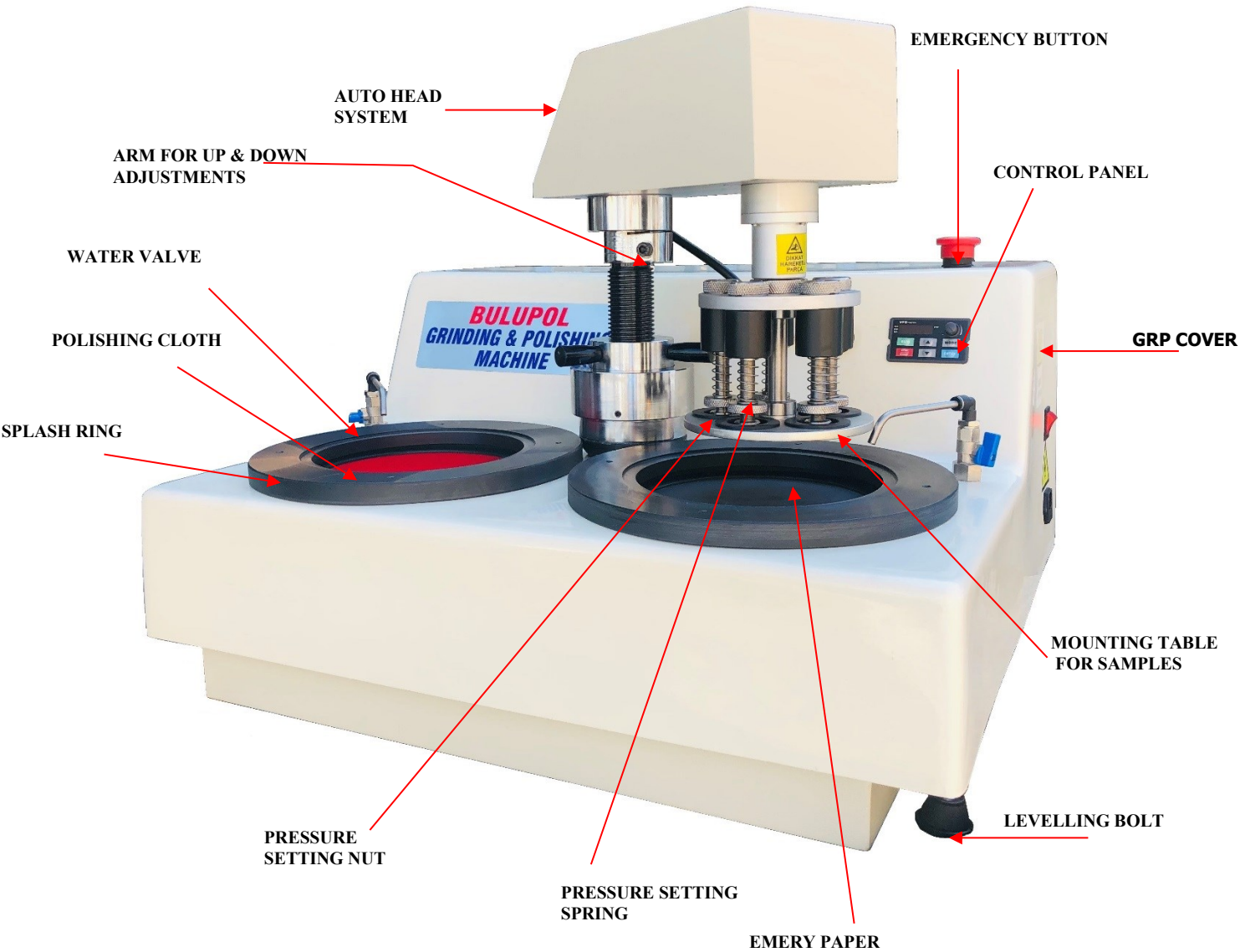
- ✓ 200 mm automatic double-disc grinding and polishing unit (250mm discs optional)
- ✓ Corrosion-resistant glass fiber reinforced plastic body
- ✓ Easy plug sanding and polishing cloth
- ✓ Long-life V-belt drive system
- ✓ Adjustment of the rotational speed of the disks in digital format

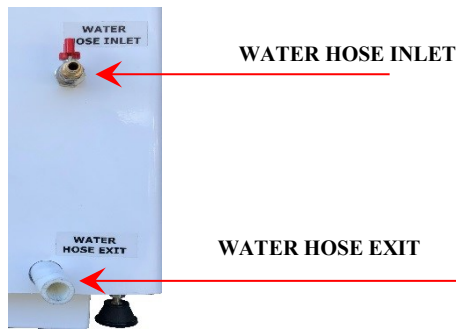
1.3 TECHNICAL SPECIFICATIONS OF AUTO HEAD

Weight	10 kg
Dimensions of auto head	305(Height) x 305(Depth) x 145(width) mm
Voltage	24 V (DC)
Motor	100 W, 1 A, Single phase, geared motor
Rev.	115 rpm (constant speed), 6 Nm torque



2 PICTURE OF THE DEVICE





3 Unpacking

Remove packing materials and lift out the machine complete with baseboard. Remove 4 securing bolts that secures machine to the baseboard.

4 Installation

BULUPOL-4 grinder polisher is shipped fully assembled and supplied with standard accessories.

5 Plumbing

Water connection: One end of 9 mm water hose is connected at rear of machine .Insert other end of to water source.

Drain connection: Insert one end of 30, 5 mm hose to washbowl located at left side of machine and other end to drain.

6 Electrical

The unit can be plugged into existing outlet to electrical source rated 220V, 50HZ.**Earth connection also must be properly done.** When plugged machine is ready to operate.

7 How to Start Grinding & Polishing

Take out splash ring and locate suitable self-adhesive emery paper with stainless steel disc on magnet of left top disc. Place self-adhesive polishing cloth with stainless steel disc on magnet of right top disc and Press start-stop button and adjust the speed using speed adjustment knob (**see control panel**)

8 Recommendations for Smooth Operation

- Use water splash rings during the discs turning.
- Make sure that discs surfaces are clean and free from any residue from previous operation. Adhesive residue may be removed with approved solvents.

8.1 HOW TO USE AUTO HEAD

On digital panel, when RUN is pressed, equipment and auto head are not turn at the same time automatically, to use auto head too must switch on the key which is at the right side of the front view after pressed the RUN button and the key must turn to red light.

When required, auto head system can be started & stopped by the key.

For the different height of specimens, the position of mounting table, can be adjusted by raising or decreasing positioning nut.

The sample to be placed in the hole of mounting table. Pressure of the spring can be adjusted by pressure setting nut.

When the pressure adjusting spring is in the free position, pressure is 25 Kgf. This pressure can be increased by pressure setting nut up to 1 Kgf.

8.2 RECOMMENDATIONS FOR SMOOTH OPERATION

- Use water splash rings during turning of the discs.
- Make sure that discs surfaces are clean and free from any residue from previous operation. Adhesive residue may be removed with approved solvents.