OPERATION MANUAL

BMS BULUT® MAKİNA
SANAYİ VE TİCARET LTD. ŞTİ.

BULUFINE

PRECISION CUTTER

CE

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1. *BULUFINE* PRECISON CUTTER 3

1.1. APPLICATION AREAS 3
1.2. GENERAL TECHNICAL SPECIFICATIONS OF THE DEVICE 3
1.3. TECHNICAL SPECIFICATIONS 3
1.4. STANDARD ACCESSORIES 3

2. MAIN PICTURE OF THE MACHINE 4

2.1. PLACING THE UNIT 5
2.2. INSTALLATION 5
2.3. INSERTING OF CUTTING DISC 5

3. OPERATING INSTRUCTIONS 6

3.1. PLACING OF SAMPLE 6
3.2. CUTTING OPERATION 6

1. *BULUFINE* PRECISON CUTTER

BULUFINE precision cutter is suitable for practical & ergonomic cutting of metal, ceramic type materials, electronic components, composite materials, biomedical materials, variety of materials, such as minerals.

To assure safety cutting, Plexiglas material used. Body of the device made of cast aluminum, so that strong & durable case obtained.

1.1. APPLICATION AREAS

Research, industrial & quality control laboratories, universities, foundries are some of using fields.

1.2. GENERAL TECHNICAL SPECIFICATIONS OF THE DEVICE

- Robust solid body for metal, ceramic and for mineral materials,
- Corrosion-resistant and plexiglas glass cabinet, to observe cutting procedure
- Special aluminum alloy heavy solid body,
- All parts are made of stainless steel or chrome plated steel,
- Optimized for the dual water jet cutting system
- Standard 125 X 0, 5 mm diamond cutting disc,
- Cutting pressure can be easily & safety adjusted by counter-weights.

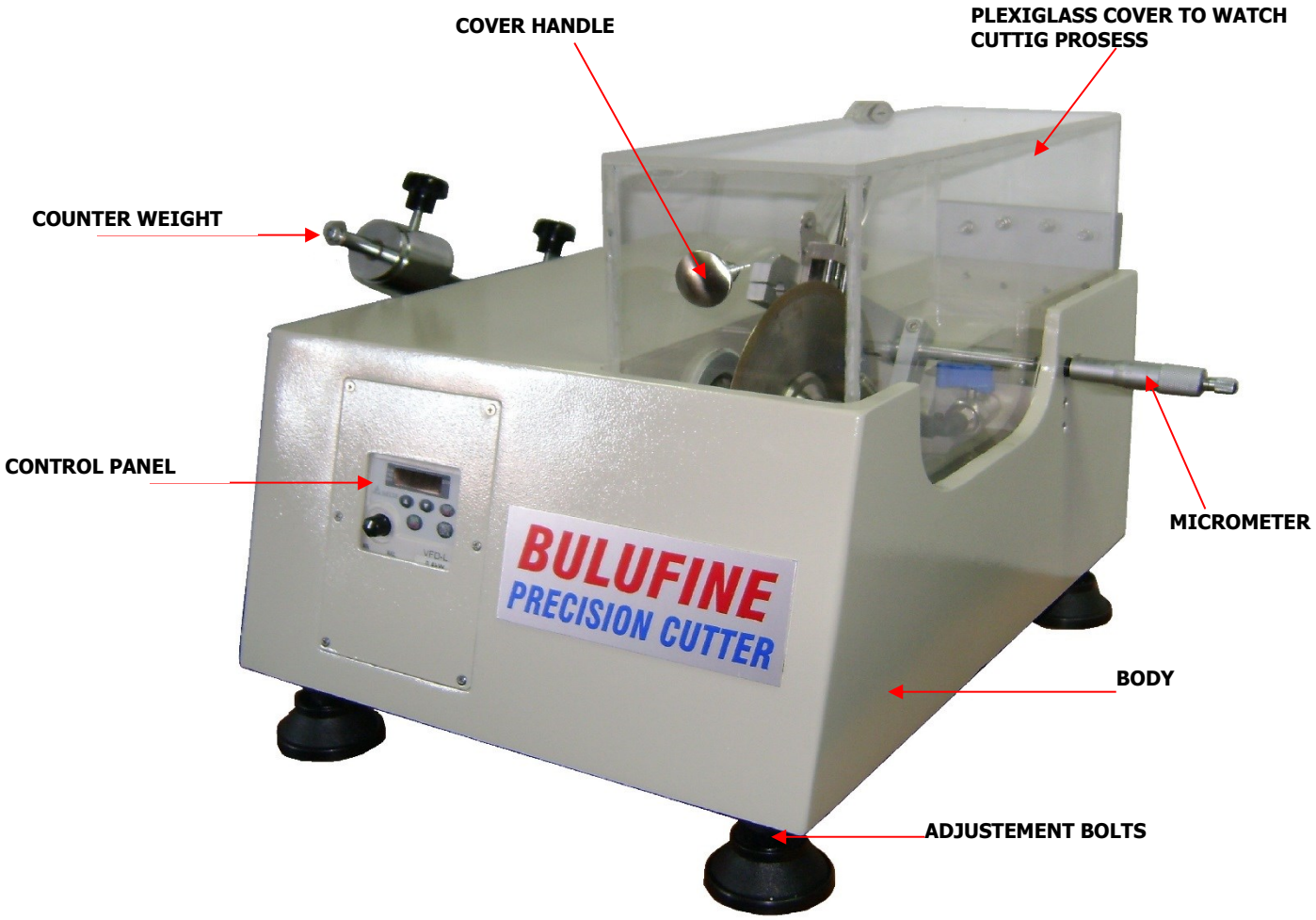
1.3. TECHNICAL SPECIFICATIONS

Machine dim's (cm)	57 (W) X 47 (H) x 40 (H)
Case dimensions (cm)	70 (W) X 60 (H) x 55 (H)
Weight (Net / Gross) kg	34 / 60
Main Motor	0,18 KW, AC 220 Volt, 1300 rev / min
Cutting speed (rpm)	100-600 (adjustable)
Cutting system	Manual
Diamond Cutting disc size	125x 0,5 mm (100X0,5 mm optional)
Water recirculation pump	12V, 0.14 Bar
Cutting fluid reservoir capacity	3 liter

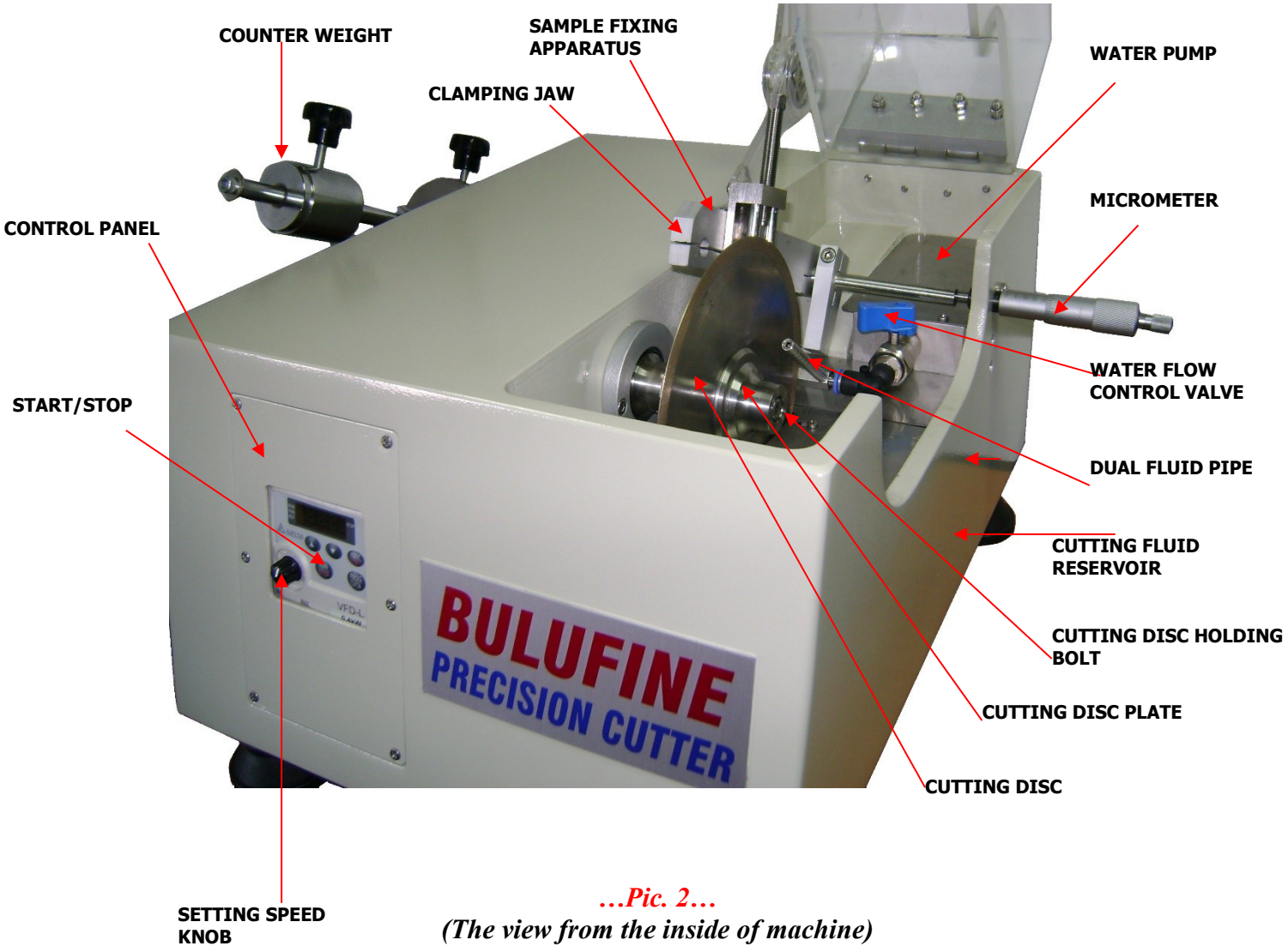
1.4. STANDARD ACCESSORIES

Wrench and bolt
125 mm diamond cut-off wheel (1 pc)
Cutting fluid (5 liters)
User's Guide

2. MAIN PICTURE OF THE MACHINE



…Pic 1…
(Main pic. of the machine)

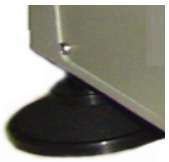


…Pic. 2…
(The view from the inside of machine)

2.1. PLACING THE UNIT

- ✓ Open the cover.
- ✓ Place the device on suitable place and locate the 4 bolts to assure flatness.
- ✓ Obtain AC 220V-50Hz electrical connection.

adjustment bolt



2.2. INSTALLATION

Examine the electrical diagram of the electrical connection before running the machine.

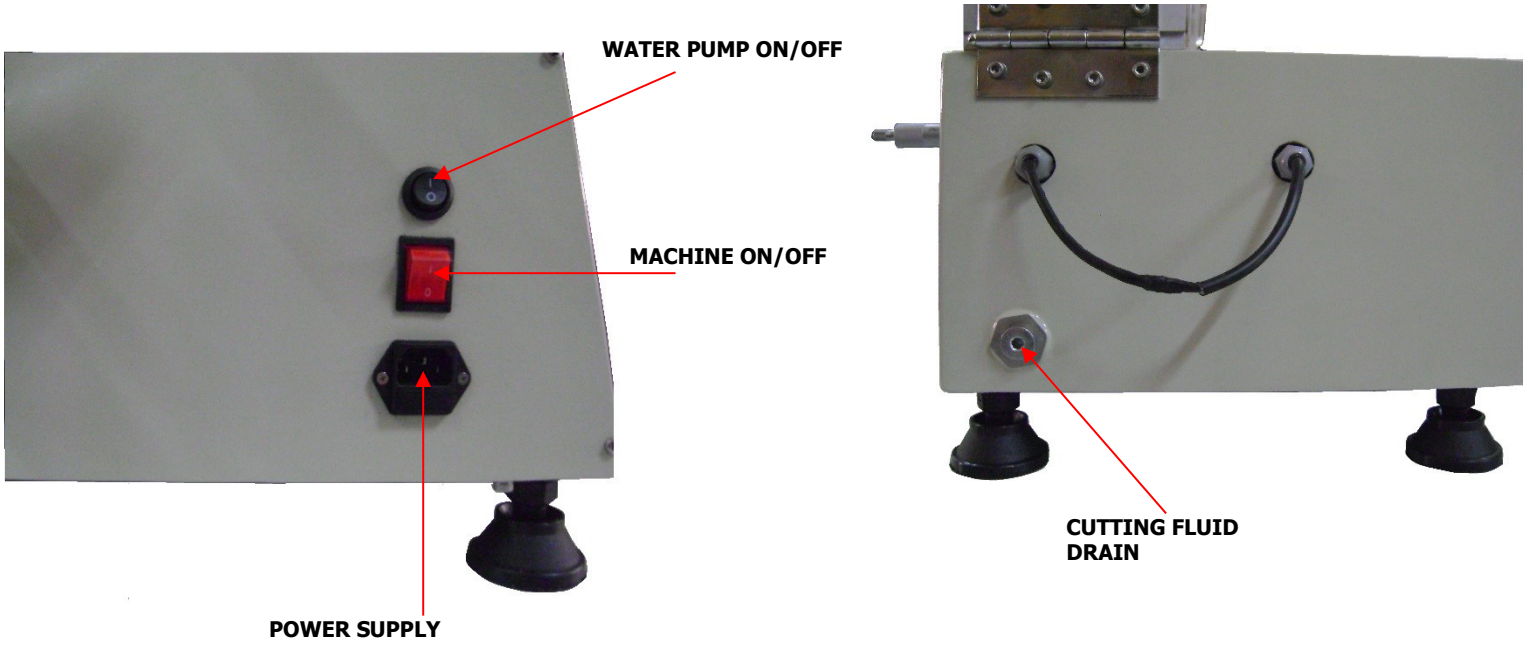
2.3. INSERTING OF CUTTING DISC

- ✓ Pay attention when installing the cutting disc.**Do not use discs more then125 mm x1,0 mm**
- ✓ Lift the cover up. Using 36 mm socket wrench, loosen the clamping nut (be sure clockwise/ anticlockwise position), and place cutting disc.
- ✓ Make sure you clean both surfaces.

3. OPERATING INSTRUCTIONS

3.1. PLACING OF SAMPLE

- ✓ Place the sample (or holder with the fixed sample) and tighten.

3.2. CUTTING OPERATION

- ✓ Close the cover.
- ✓ Start the engine by pressing the RUN button. (you can start water pump also)
- ✓ When cutting process done, stop pressing the RUN button.
- ✓ Cutting fluid flow rate can be adjusted by control valve.
- ✓ To ensure an ideal cutting pressure, position of counter-weights can be adjusted.
- ✓ Do not open cover until cutting processes done.