

BULUMOUNT-1 **SPECIMEN MOUNTING PRESS**



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1	Description.....	3
2	Technical Specifications.....	3
2.1	Standard Accessories.....	3
3	Main Screen.....	5
4	Operation.....	8
4.1	Inserting the Sample and Powder.....	8
4.2	Heating Cycle.....	8
4.3	Cooling Cycle.....	8
4.4	Extracting the Mold.....	8
5	Selecting Parameters on the Digital Display.....	9

1 Description

Specimen Mounting Pres

Direct reading pressure gauge.

Manual hydraulic operation.

25, 32, 38 and 50 mm mold capacity.

1250 Watts mold heating system.

By means of digital panel, heating and cooling timing, heating and cooling dwelling, automatic/manual cooling, alarm indicator for cycle completion.

Fast and easy operation for inserting the sample and powder.

Fast and easy operation for extracting the mold.

2 Technical Specifications

Machine dimension	48x60x60 cm
Case dimension	50x60x70 cm
Weight (net/gross)	50/80 kg
Mains	220V-50Hz
Mold heater capacity	1250 Watt
Max. Hydraulic system pressure	250 bar
Entering heating, cooling & preheating values	✓
Manual cooling, alarm indicator for cycle completion	✓
Fast & easy operation for inserting the sample and powder as well as extracting mold	✓

2.1 Standard Accessories

Standard mold assembly: 1" - 1, 25" - 1, 5" - 2" (only 1 mold is standard)

Phenolic powder

Pipe for water source



Fig.1

3 Main Screen



REQUIRED TEMPERATURE

INSTANT TEMPERATURE

ANALYTIC PRESSURE

REQUIRED TEMPERATURE

WAITING TIME UNTIL REACH TO THE REQUESTED TEMPERATURE

MANUAL HYDRAULIC DISCHARGE

MANUAL HYDRAULIC LOADING

ADJUSTMENT OF EQUIPMENT WORK PARAMETERS

START/STOP

SEE ON SCREEN DURING COOLING PROCESS

SEE ON THE SCREEN DURING HEATING PROCESS

SEE ON THE SCREEN DURING THE HYDRAULIC DISCHARGE AND LOADING PROCESS

COOLING TIME UNTIL REACH TO REQUESTED TEMPERATURE

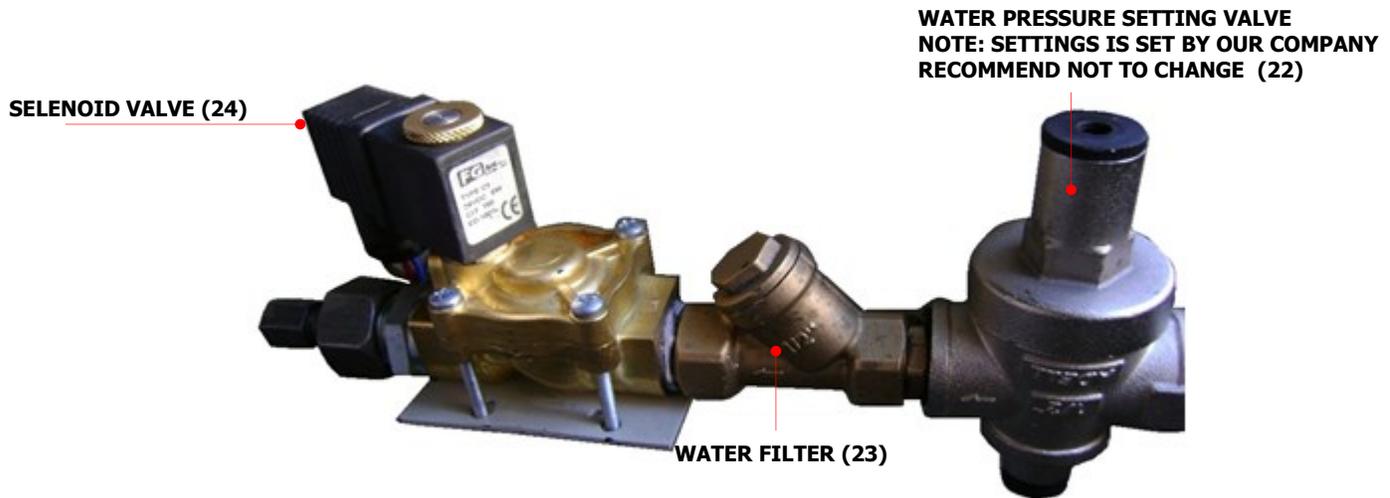


Fig.2



Fig.2.1

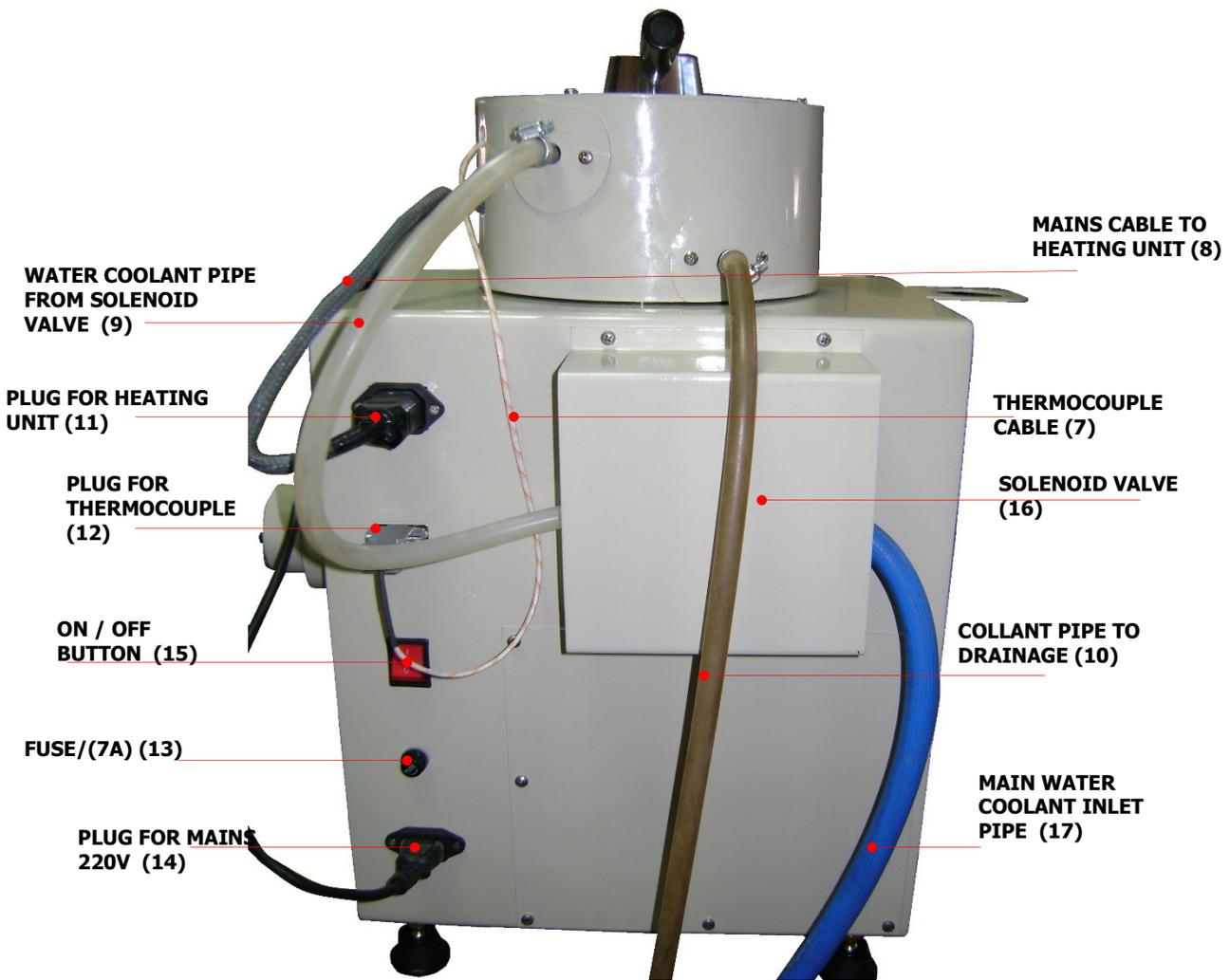


Fig.3

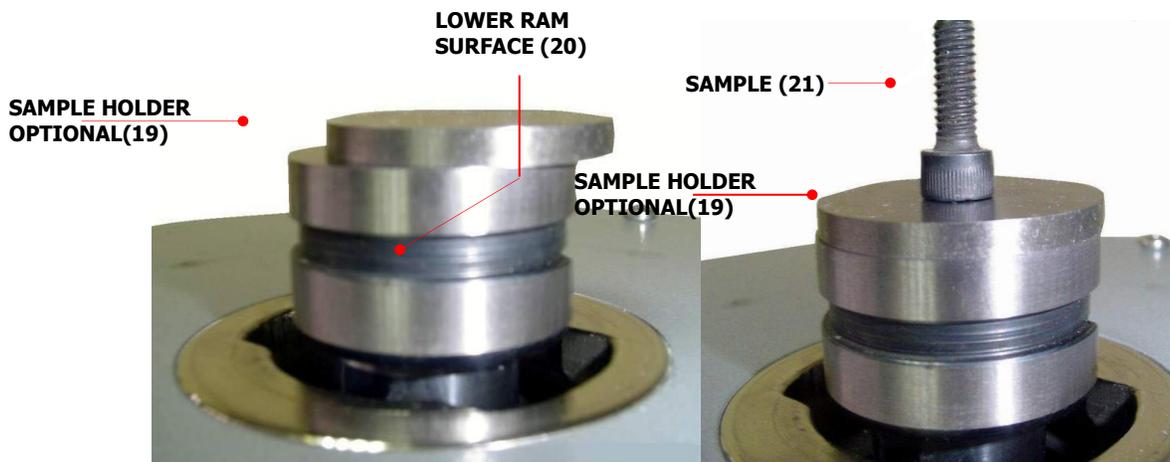


Fig.4

Fig.5

4 Operation

Operation of BULUMOUNT-1 easy to use.

IMPORTANT: Before power on, attach water cooling pipe from taping water to solenoid valve. (17 in Fig. 3) Switch on main ON/OFF button (15) located at the rear side of machine.

4.1 Inserting the Sample and Powder

By turning anticlockwise and holding up, remove the lock nut assembly. (1)

Turn the pressure release knob (18 Fig. 1) to clockwise direction and raise the hydraulic cylinder ram by moving pump handle (5 in Fig. 1) up and down direction to apply hydraulic pressure.

Place the sample on lower ram surface. Open the pressure release knob (18) by turning anticlockwise direction and bring down the ram of cylinder to bottom position.

Fill required molding powder into the mold. Replace the lock nut assembly and close the chamber.

Turn the pressure release knob clockwise and apply the pressure by moving pump handle up and down direction. Pressure can be read on pressure gauge (4)

4.2 Heating Cycle

Set the required time using digital panel. (Approx. 8 min. for 32 mm chamber) After heating time over, alarm indicates the completion of heating cycle.

4.3 Cooling Cycle

Set the cooling time 5-6 min. Reaply recommended pressure

4.4 Extracting the Mold

When the cooling cycle is over, alarm indicates the completion of cooling cycle.

Turn the pressure release knob (18) anticlockwise and release pressure. Open the chamber by rotating then lock nut assembly (1, Fig. 1) and remove the chamber.

Turn pressure release knob (18) clockwise. Using pump handle (5) up and down lift the ram and take out the specimen from mold cavity. Remove the ram using pump handle. Heat resistance gloves to recommend to handle of hot mount.

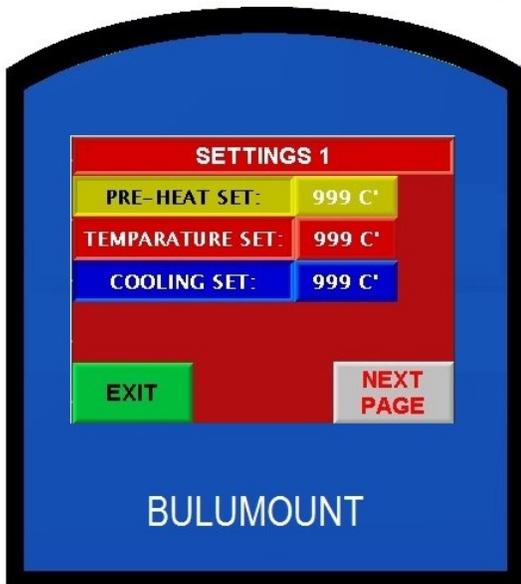
Attention!

Hydraulic system is filled and tested from our company. You do not need to fill any oil. But, it is required in any case, loosen bolt a) and fill system with Shell Tellus 37 oil (or similar). Loosen bolt b) to check oil level. When there is an oil coming out from b) stop this process. (Fig 12)



Fig.12

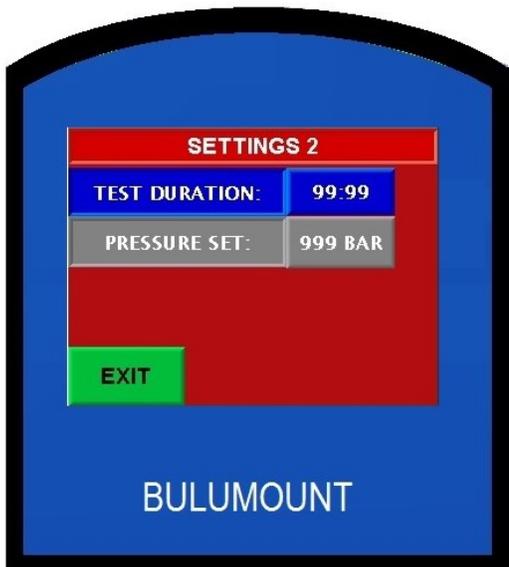
5 Selecting Parameters on the Digital Display



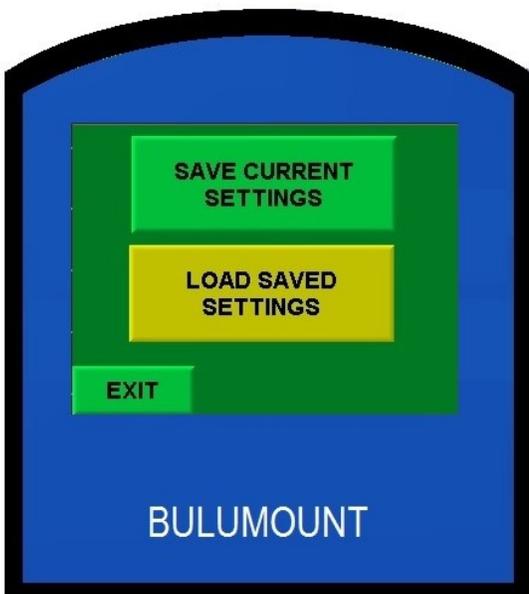
PRESS SETTING ICON THAN PRESS TEMPERATURE SETTINGS TO OPEN

CLICK TO CHOOSE THE REQUESTED TEMPERATURE THAN INTRODUCE TEMPERATURE VALUE (EXAMPLE: 150) AND CONFIRM WITH ENTER

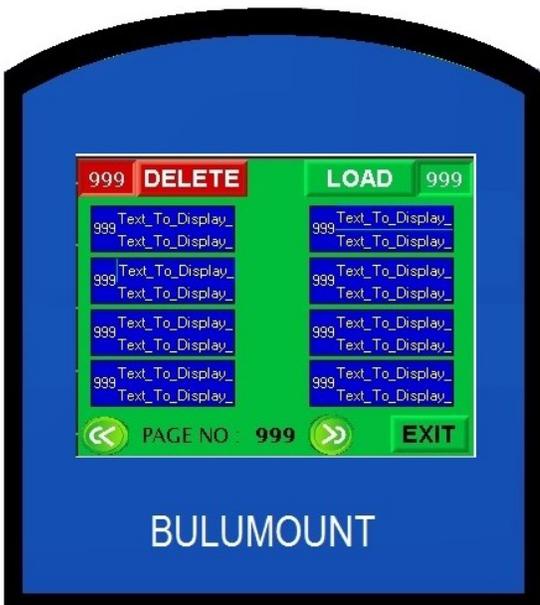
RETURN TO SETTINGS PRESS **EXIT** OR PRESS **ESC** ICON. (THE SYSTEM WILL WARN YOU WITHIN THE AUDIENCE WHEN TEMPERATURE IS ON REQUIRED TEMPERATURE).



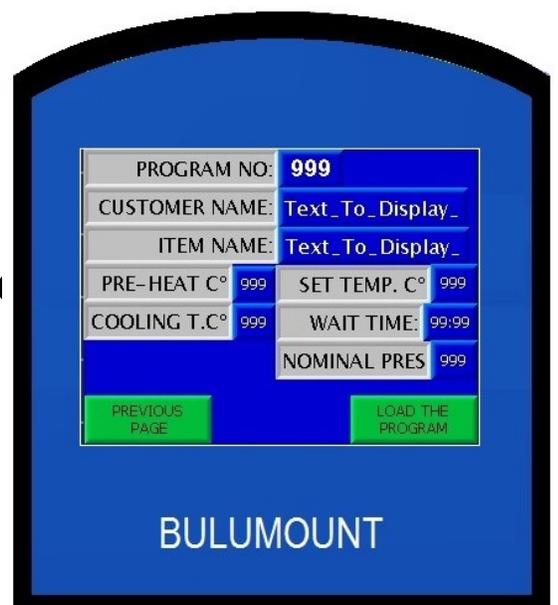
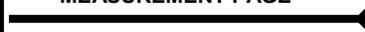
WHEN THE TEMPERATURE REACH TO REQUIRED TEMPERATURE YOU CAN CHOOSE DURATION TIME FOR



THEN ON THE RECORD PAGE YOU CAN FILL THE BOX BY KEYBOARD AFTER SAVING THE INFO USING SAVE ICON YOU CAN LEAVE THE PAGE USING EXIT ICON



PARAMETERS THAT YOU CHOOSE, AFTER PRESS THE  ICON, YOU WILL ORIENT AUTOMATICLY MEASUREMENT PAGE





AFTER YOU SEE "PROCESS DONE" ON THE SCREEN THE MACHINE READY FOR A NEW TEST