

## BULUMOUNT-3

### AUTOMATIC ELECTRO HYDRAULIC SPECIMEN MOUNTING EQUIPMENT



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# 1 Technical Specifications

Machine dimension	42x37x50 cm
Case dimension	50x45x55 cm
Weight (net/gross)	45/70 kg
Mains	220V-50Hz
Mold heater capacity	1250 Watt
Max. system pressure	250 bar
Entering heating, cooling & preheating values	✓
Manual cooling, alarm indicator for cycle completion	✓
Manual raising and lowering piston by motor when required	✓
Full automatic cycle until sampling finalized	✓
Fast & easy operation for inserting the sample and powder as well as extracting mold	✓

## 1.1 Standard Accessories

Standard mold assembly: (standard Ø32) (optionally mm Ø25, Ø30, Ø40, Ø50)

Phenolic powder

Pipe for water source

LOCK NUT ASSEMBLY



*Fig 1*

2 MAIN SCREEN

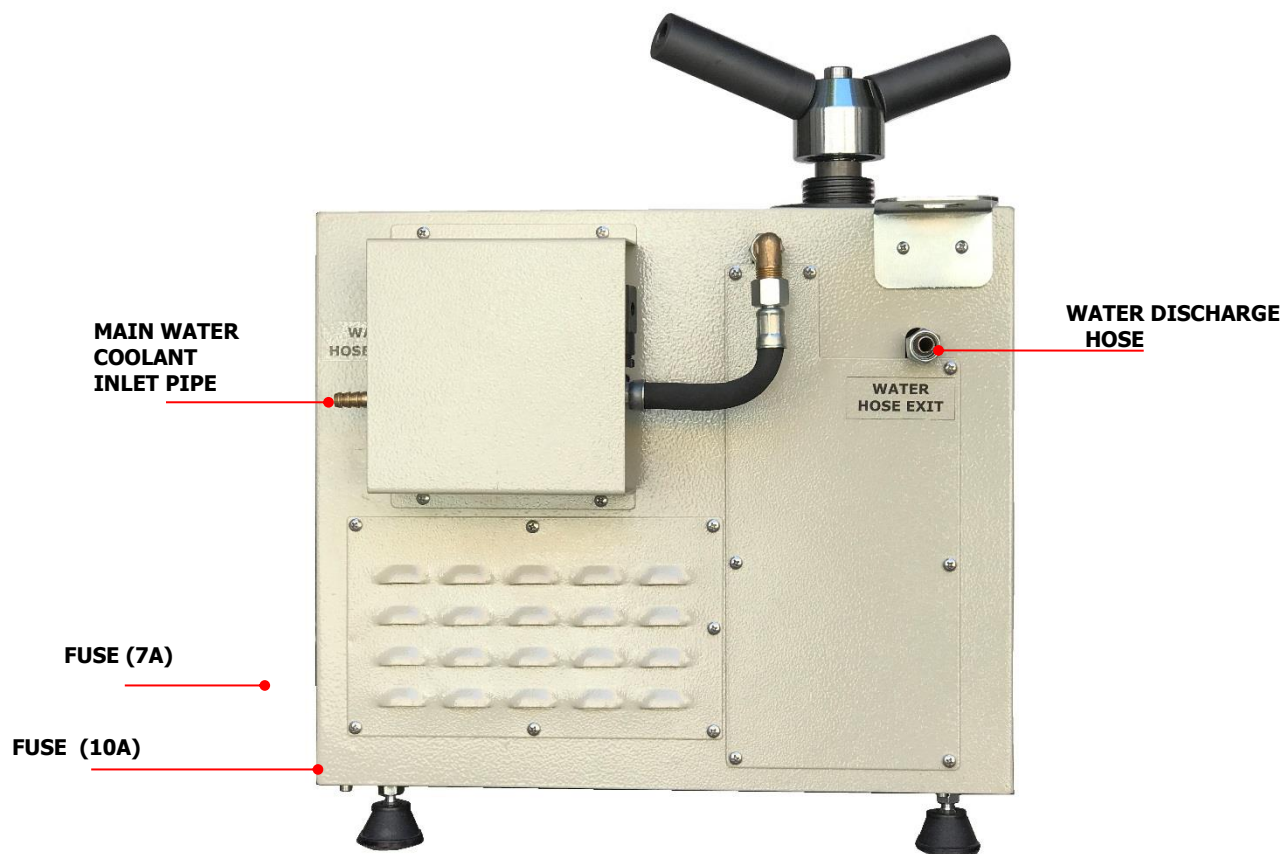
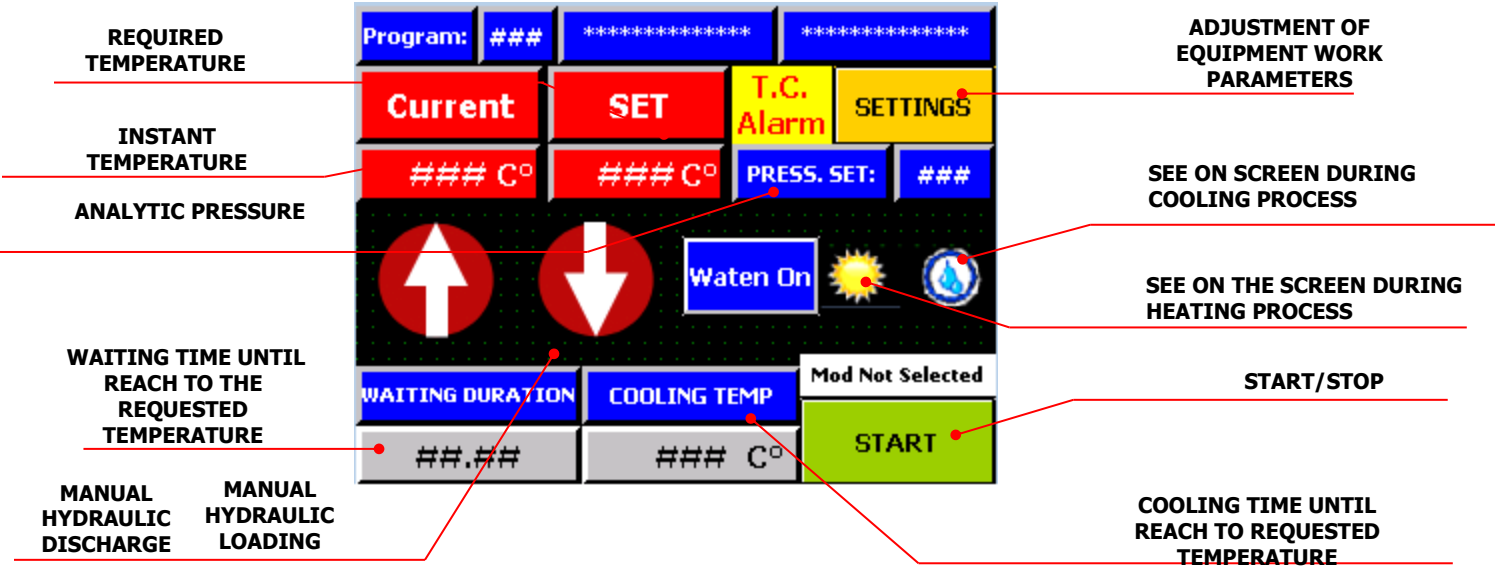




Fig 2

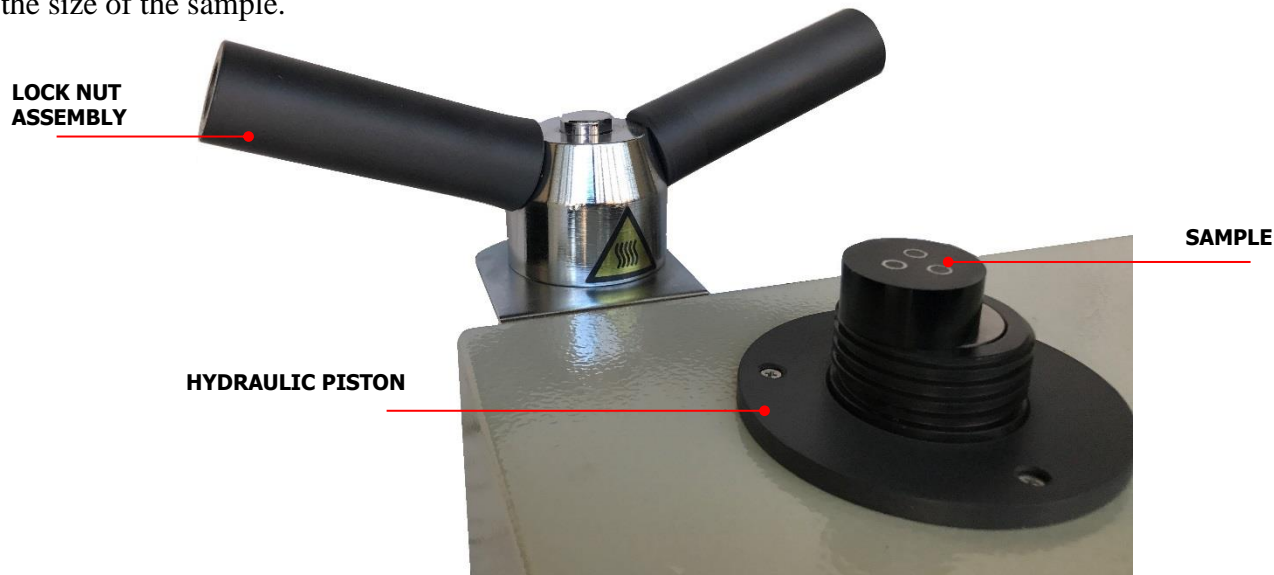
- 1) - **Temperature**: Required temperature settled temp.value (°C)
  - 2) - **Waiting time**: Waiting time in required settled temperature (min.)
  - 3) - **Cooling set**: Required cooling settled temp.value (°C)
  - 4) - **Pre-heat set**: Temperature when machine is on. (°C), but not functioned.
  - 5) - **Pressure set**: Adjustment of max.pressure required (Bar)
- Recommended pressure between 150-200 bars depending on sample. (Max. applicable pressure is 250 Bars)
- Entering required values on Digital Panel (see screens step by step)**

### 3 Operation

Remove the mold locking system by turning the mold locking lever in the clockwise direction.

#### 3.1 Placement of Sample and Bakelite Powder

Press the button  and lift up the hydraulic cylinder manually and place the sample on the upper surface of the piston by squeezing the separator. Manually by pressing  the button down slightly depending on the size of the sample.



**Fig. 3**

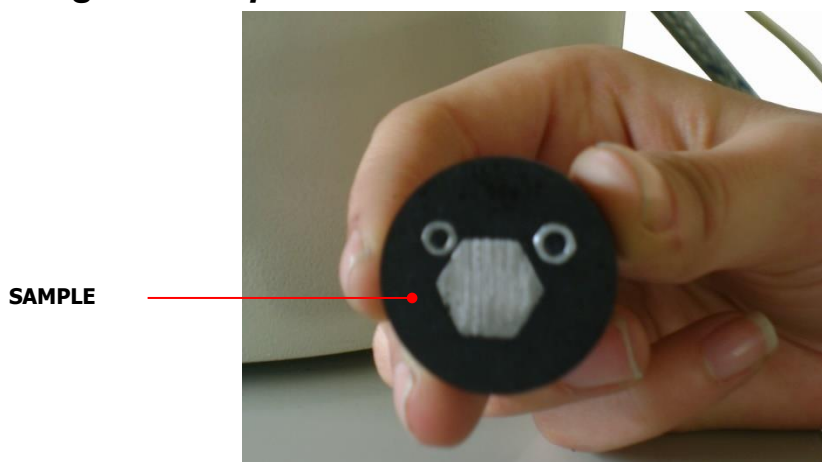
Put the bakelite powder in the appropriate amount to the sample size and lock the mold system.



**Fig. 4**

Then press START / STOP **START/STOP** icon. Molding process will start and end automatically. (Make sure to enter the parameters correctly before starting this process.) You can stop the process by pressing the key **START/STOP** when prompted.

### 3.2 . Removing the Sample

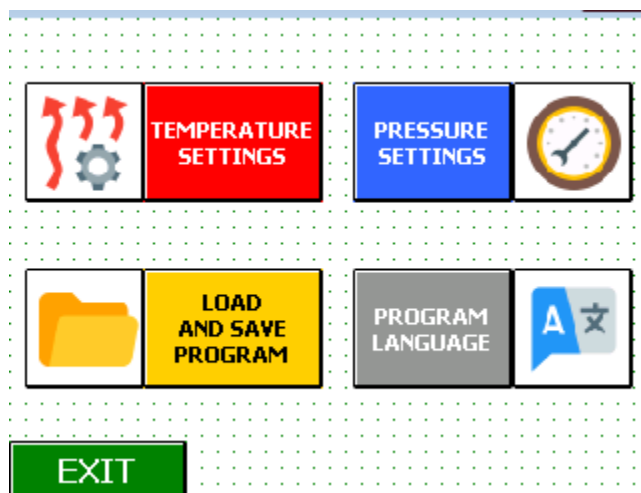


*Fig.5*

At the end of the process, remove the mold lock lever by rotating the mold lock arm counterclockwise.

**IMPORTANT:** After sampling, you must clean the Bakelite powder residues in the mold and hydraulic piston bearings before starting the new process. Otherwise, it may be difficult to lower the cylinder.

## 4 Selecting Parameters on the Digital Display



HEATING SETTINGS		
PRE-HEAT SET:	###	C°
TEMPERATURE SET:	###	C°
COOLING SET:	###	C°
CALIBRATION		
EXIT		

***** — *****			
*****			
7	8	9	ESC
4	5	6	Clear
1	2	3	◀
+/-	0	,	OK

PRESS SETTING ICON THAN PRESS  
TEMPERATURE SETTINGS TO OPEN

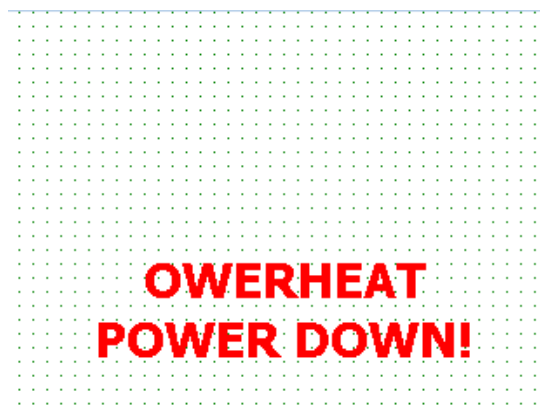
CLICK TO CHOOSE THE REQUESTED TEMPERATURE THAN INTRODUCE  
TEMPERATURE VALUE (EXAMPLE: 150) AND CONFIRM WITH ENTER

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

PRESSURE SETTINGS		
WAITING TIME:	##.##	mn:sc
PRESSURE SET:	###	Bar
CALIBRATION		
SPEED SETTING		
EXIT		

PROGRAM SAVED PAGE	
PROGRAM NO:	####
PROGRAM NAME:	*****
ITEM NAME:	*****
EXIT	
SAVE	

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



PLEASE SHUT THE POWER DOWN IF YOU SEE THIS SIGN!

SAVE CURRENT SETTINGS

LOAD SAVED SETTINGS

EXIT

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

EXIT

PROGRAM NO:	###	
CUST. NAME:	*****	
ITEM NAME:	*****	
PRE-HEAT C°:	###	SET C°: ###
COOLING SET:	###	WAITING TIME: ##.##
PRESSURE Bar:	###	
EXIT		LOAD

#### Del LOAD ####

## \*\*\*\*\*

## \*\*\*\*\*

## \*\*\*\*\*

## \*\*\*\*\*

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## \*\*\*\*\*

## \*\*\*\*\*



## \*\*\*\*\*

EXIT

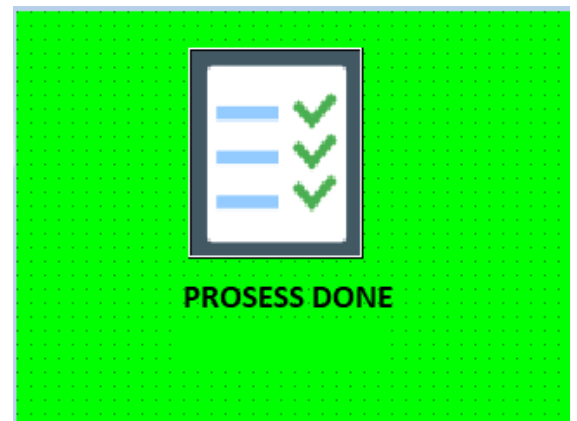
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PARAMETERS THAT YOU CHOOSE, AFTER PRESS THE **LOAD THE PROGRAM** ICON, YOU WILL ORIENT AUTOMATICLY MEASUREMENT PAGE

PROGRAM NO:	###	
CUST. NAME:	*****	
ITEM NAME:	*****	
PRE-HEAT C°:	###	SET C°: ###
COOLING SET:	###	WAITING TIME: ##.##
PRESSURE Bar:	###	
EXIT		LOAD

EXIT



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

Program:	###	*****	*****
Current	SET	Current	SET
###C°	###C°	###Bar	###Bar
PROSES TIME			
##.##			
WAITING DURATION	COOLING TEMP		
##.##	### C°	START	

THIS PAGE WILL APPEAR WHILE PROCESSING