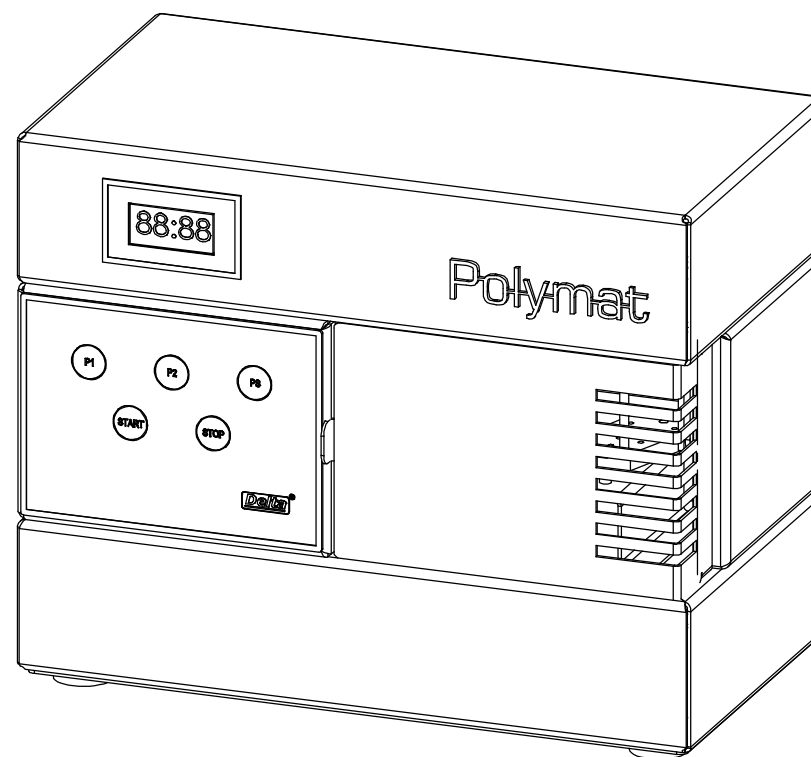


- Caution: 1. Avoid seeing the LED bulb directly where it is on.  
2. Start the program after door is closed.  
3. Open the door only where the LED's are switched OFF.

## Polymat – Light Polymerization Unit Operating Instructions



For further details please contact:

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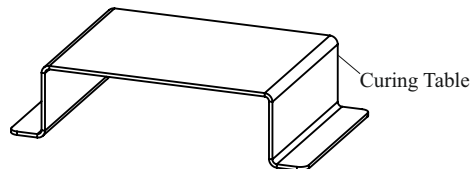
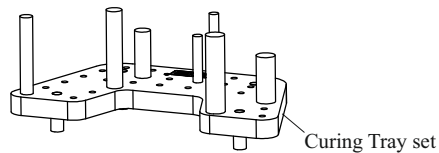
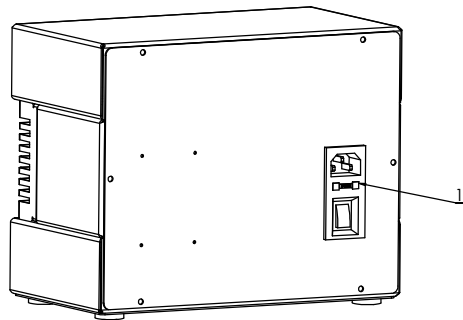
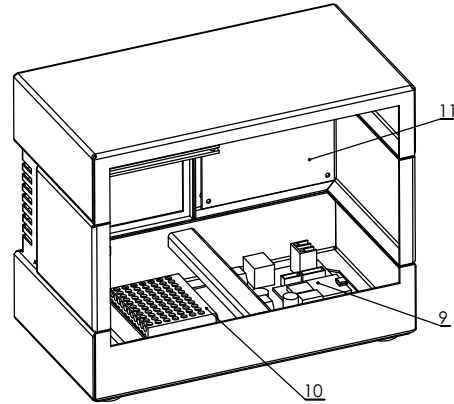
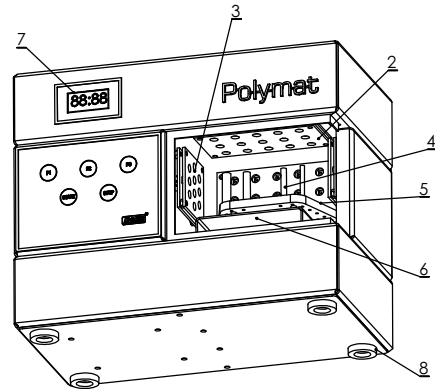
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# Polymat

## Light Polymerization Unit



Position No.	Description	Article No.
1	Socket Polymat	13012
2	15 – LED Board	13013
3	10 – LED Board	13014
4	Curing Pegs	13015
5	Curing Tray Set	13016
6	Curing Table	13017
7	Display	13018
8	Leg Bush - Polymat	13019
9	Main Board - Polymat	13020
10	Power Supply Unit - Polymat	13021
11	Keypad - Polymat	13009



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### Dear Customer,

Thank you for purchasing the Polymat light polymerization unit. Polymat is a high quality light curing unit for dental application. The machine has been design according to the latest industry standards, inappropriate use may damage the equipment and harmful to the user. Please observe this relevant safety instruction and read the operating instructions carefully.

### Indications:

Polymat is a light polymerization device to cure dental lab composites for C&B, lab ginigiva composite for denture characterization, post curing of 3D printed objects etc.

### Working Procedures:

#### Opaquer Program:

Switch on the machine. Place the metal frame work applied with light curing opaquer on the firing table and the door should be kept in closed condition. Select the opaquer program by pressing the switch P1. This program is approximately 10 minutes but based on material manufacture instructions can adjust the program timing manually. Once the program is started all the LEDs will start glowing and all the LEDs will go off at the end of the program.

#### Dentin Program:

To cure the dentin the crown or bridge layered with the lab composite is kept on the firing tray. The dentin program is selected by pressing the switch P2. This program is approximately 20 minutes but based on material manufacture instructions can adjust the program timing manually. Once the program is started all the LEDs will start glowing and all the LEDs will go off at the end of the program.

#### Soft Curing:

This mode enable to curing long span bridges with very low polymerization stress. The intensity of the light gradually increases from zero and reaches the maximum intensity during the end of the program and hold for a minute approximately.

#### Correction Program:

The minor defect after the dentin program can be corrected using the opaquer program itself.

#### Technical Details:

- Outer Dimension: 245mm x 140mm x 200mm
- Curing Chamber Dimension: 140mm x 82mm x 90mm
- Weight: 3.5Kg
- Mains Supply: 230 Volts, 50/60Hz
- Power: 150 W
- Wave Length: 410 nM - 420 nM



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