

USER MANUAL

Photocentric
CURE L2

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CURE L2

A white line drawing of a Photocentric CURE L2 printer is centered on a solid red background. The printer is shown from a three-quarter front view. At the top, there is a control panel with a small screen and several buttons. On the right side, there is a vertical handle. The text 'PHOTOCENTRIC CURE L2 USER MANUAL' is printed in large, bold, white capital letters across the middle of the printer's front panel. In the bottom right corner of the printer's front panel, the 'Photocentric CURE L2' logo is visible.

PHOTOCENTRIC CURE L2 USER MANUAL

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It is important that you read, understand and comply with these original instructions prior to using the equipment and safely store this document for future reference.

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EXPLANATION OF THE SYMBOLS USED WITHIN THIS OPERATOR'S MANUAL



Danger:
Immediate danger that may cause severe injury or even death to persons.



Warning:
Possible hazardous situation that could lead to severe injury to persons or property.

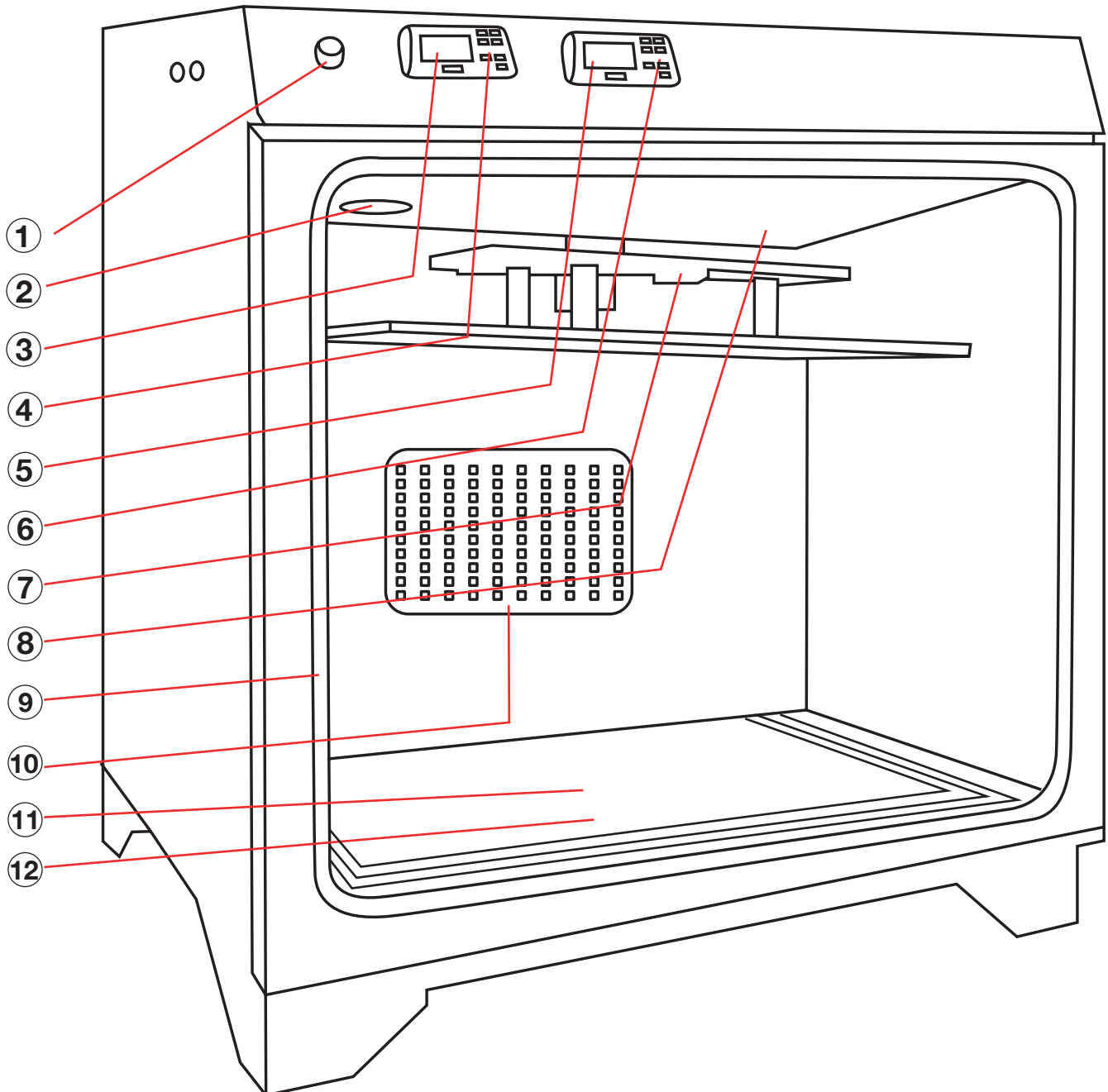


Caution:
Possible hazardous situation that could lead to mild injury to persons or damage to property.



Recycle:
Always recycle old damaged or redundant parts or packaging materials.

1 DESCRIPTION OF THE ESSENTIAL PARTS OF THE MAGNA CURE MACHINE



- | | | |
|---------------------------------|---------------------------|------------------------|
| 1 On Off switch | 5 Timer controller | 9 Door seal |
| 2 Internal fan | 6 Timer adjustment | 10 Rear light |
| 3 Temperature controller | 7 Hanging bracket | 11 Bottom light |
| 4 Temperature adjustment | 8 Heater unit | 12 Glass shelf |

2. SAFETY RULES



Warning:

Under no circumstances must the machine be operated with the door open.

3. SAFETY DEVICES



Danger:

Never circumvent the door safety switch as the LED unit will cause severe damage to your eyes. **DO NOT LOOK INTO THE VENT ON TOP OF MACHINE**

4. ENVIRONMENTAL PROTECTION



Recycle:

Most of the packaging material can be recycled. Please do not throw the packaging material in to a domestic household waste system, send it for recycling.



Recycle:

Old machines contain valuable materials that can be reused or recycled; please send your old machines to a suitable recycling centre at the end of its lifespan.

5. INTENDED USES

This machine is intended to Cure 3D printed parts only inside its enclosure, This machine is not intended to work outside without suitable protection.

6. SETTING UP YOUR NEW MACHINE FOR THE FIRST TIME



Recycle:

Remove the outer packaging and recycle it.



Caution:

Possible hazardous situation that could lead to mild injury to persons or damage to property.

This machine is 64 kgs (140 pounds) and we recommend that 2 persons move this machine to its final placement.

When the machine is positioned unpack the glass shelf and place it inside the unit resting it on the 6 support pads.

7. BEFORE STARTING YOUR MACHINE

Electrical section

This machine may only be connected to an electrical supply which has been installed in accordance with all relevant IEC regulations.

This machine has been developed to work on either a power supply of 110 VAC or 240 VAC.

Never permanently connect this machine to the mains supply without an isolating switch.

Always check the mains cable for damage prior to use. Only authorised persons may replace damaged cables to this machine.

8. STARTING AND STOPPING YOUR MACHINE

Starting/Loading

On the front of the machine you will see the green on/off rocker switch (2) press it in at the bottom and it will light up turning the machine control circuits on.

The machine will not be operated if the door is open

To start the UV cure program, twist the timer switch (7) fully clockwise, this will work for 2 hours (you can alter this time down to suit your own needs).

When the timer is ON a small red flashing light (5) is shown on the control panel, a yellow light (6) is indicated when the heater is working.

Temperature settings:

The machines temperature is factory set to a maximum of 65°C. If you wish to use a lower setting you can by pressing the set button on the temperature unit once, then pressing the down button you can set your machine to the desired working temperature to ensure accurate and precise curing you will need to wait until the temperature has reached the selected setting before loading the prints into the unit.

Loading:

Open the door and using suitable heat resistant gloves place the print platform onto the hanging bracket (7). Close the door and reset the timer.

Unloading:

Open the door and using suitable heat resistant gloves remove the print platform from the hanging bracket and close the door to maintain the Cure L's temperature.

If you are NOT going to place another printed part into the unit straightaway, do not close the door but you must leave the green switch on to allow the heating elements to cool down

9. MAINTENANCE AND CARE OF YOUR MACHINE



Danger:

Risk of injury; unexpected start up and electrical shock.

Always disconnect the mains power supply before commencing ANY cleaning or maintenance on this machine.

Daily checks

Ensure that the inside of the machine is kept clean especially the glass covering the UV lights.

Check the condition of the door seal.

Check the mains cable.

Make sure that the vents on top of the machine are not covered over.

10. TROUBLESHOOTING



Danger:

Risk of injury by unexpected start up and electrical shock

Always disconnect the mains power supply before commencing ANY maintenance on this machine.

Have any electrical problems checked by a qualified engineer?

Machine fails to start

Does the green switch light come ON?

If no, confirm that you have a working power supply. To do this check the fuse in the plug.

If the fuse in the plug is OK then you need to call an engineer

Machine has power but the heater fails to work

Check the fuse on the left-hand side of the machine (8 amp)

If the fuse is OK call an engineer.

Machine has power but the lights fail to come on

Check the fuse on the left-hand side (2 amp)

If the fuse is OK call an engineer.

11. TECHNICAL SPECIFICATIONS

Photocentric Cure L 2

Height of the machine is 724mm	(28 1/2")
Length of the machine is 660mm	(26")
Depth of the machine is 613mm	(24")
Weight of the machine is 64kgs	(140 lb)
Curing cycle components	
Power supply	105-240 ac
Power consumption	4-9 amps
Noise	<43dBA
Control devices	
Control switches	24 vdc
Transformer	24 vdc +- 3%
Control switches	48 vdc

The machine package consists of the following:

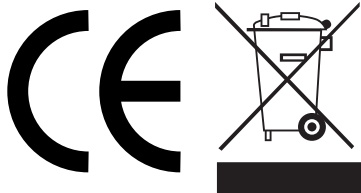
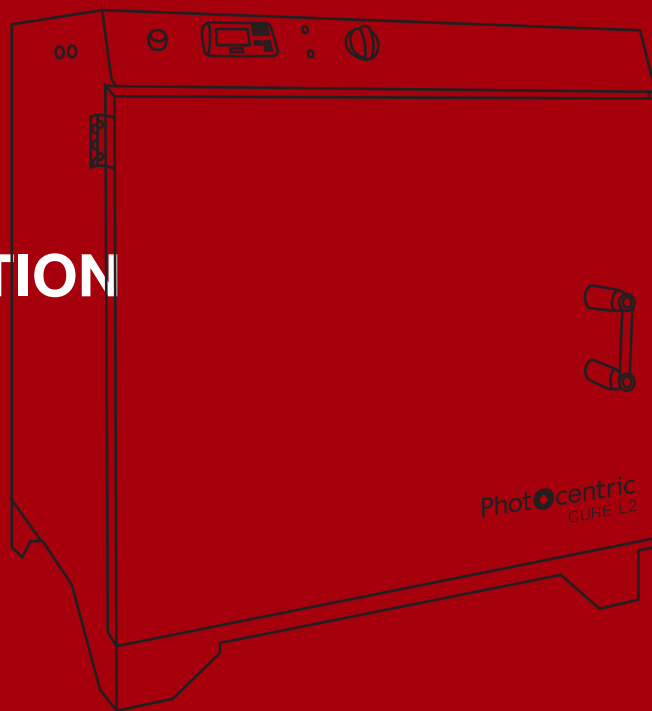
- Internal glass shelf
- 1 power cable

12. WARRANTY

We offer 12 months *parts only* manufacturer's warranty on all mechanical parts.

All warranty parts are to be returned to us for manufacturer's assessment prior to refunds of parts only replacement costs.

THE NEXT GENERATION OF 3D PRINTING IS HERE



DISPOSAL INSTRUCTIONS

Do not throw this electronic device into the waste when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle or return to Photocentric for recycling.

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