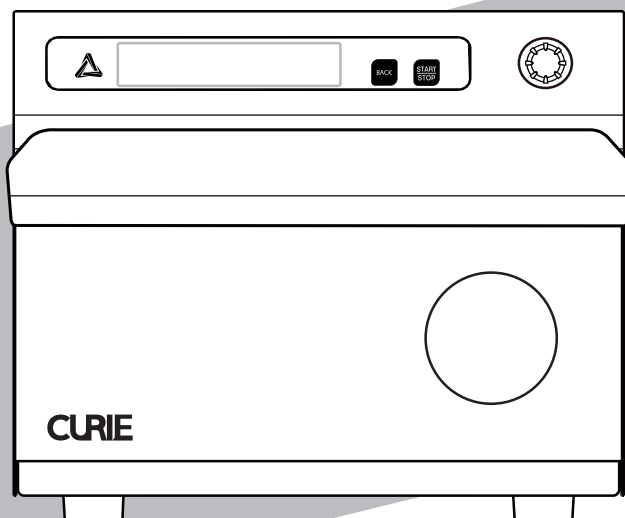


CURIE

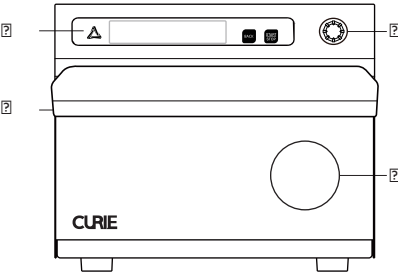
LED Light Curing Machine



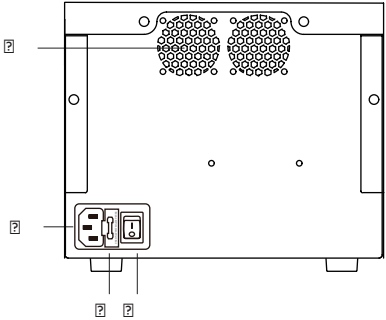
CURIE User Manual

1. CURIE Components and Accessories

1.1 CURIE Components

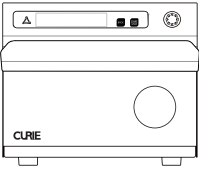


- 1 Operation Panel
- 2 Handle
- 3 Knob
- 4 Window

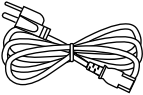


- 1 Cooling Fan
- 2 Outlet
- 3 Fuse
- 4 Power Switch

1.2 Package Content



CURIE



Power Cable



CURIE User Manual

2. Function

2.1 Instruction for Operation Panel



② **Display Panel:** Display Menu- Favourite, Material Library, Customise, System Setting

② **Back:** Back to the previous page

② **START/STOP:** Start/Stop curing

② **Micro SD Card reader**

② **Knob:** Turn Left/ Right to select the option, Press for entering the menu

2.2 Mode Instruction

• I – Intensity Output

By evaluating different material characteristic, shape, and thickness to select the level of light intensity. Level 1 is the lowest light intensity output; Level 16 is the highest light intensity output. Range of light intensity output:

- LED current: 43.8–700 mA
- Light intensity: 7018–112295 mW/cm²

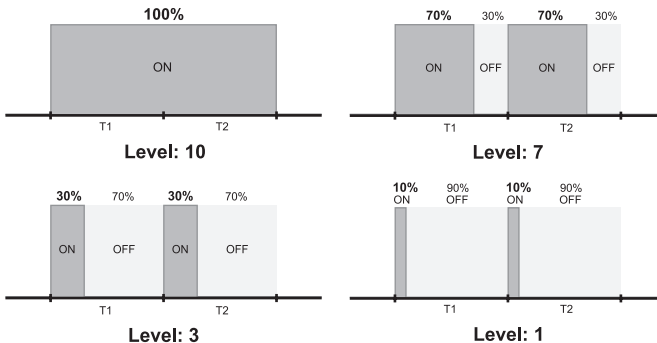
Recommendations for use: If a flat and thin material needs to be cured, a lower intensity output and a longer curing time are able to make the material reach the strength curing result.

• D – Duty Cycle (Ratio of pulse duration and time gap)

By evaluating material shrinkage characteristic to select the level of a duty cycle from level 1 to level 10; Level 10 is 100% working cycle (consistent brightness) and decrease sequentially to Level 1 (10% working cycle).

Please refer to explanation charts below

Recommendations for use: If a small and thin material needs to be cured, a lower working cycle can be applied to reduce the rate of shrinkage deformation in the process.

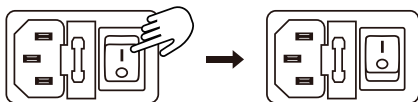


• T - Curing Time

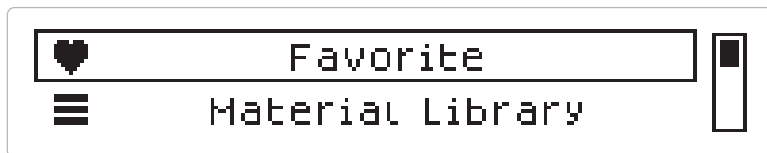
Take 1 minute or 1 second as the adjustment unit to set the curing time from 1 second to 20 minutes.

2.3 Basic Operation – Material Library

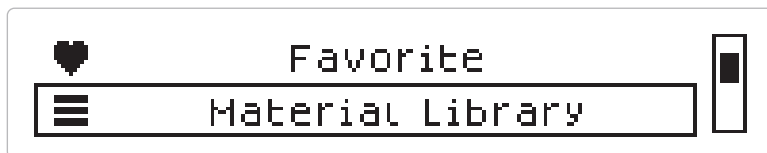
1. Turn on the backside power switch.



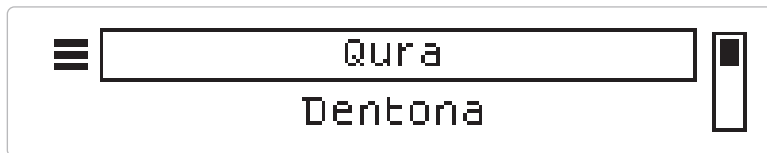
2. Use the knob to select the option from the menu.



3. Turn the knob Right to select Material Library then Press.



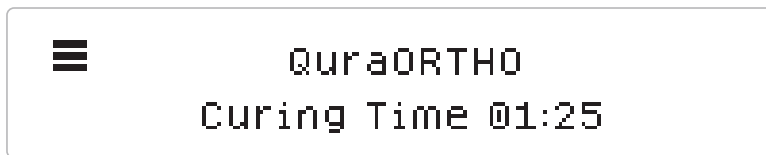
4. Choose the branding of the Material you used.



5. Choose resins.



6. Display panel will show the resin name and curing time.



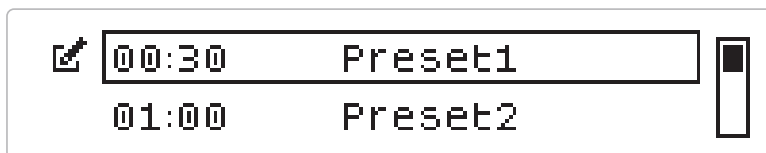
7. Press the button $\frac{\text{START}}{\text{STOP}}$ to start the curing process.

8. Display panel will start to count down the curing time, and it will show COMPLETE on the screen when it's finished the curing process.

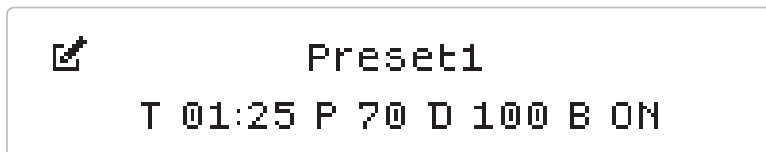


2.4 Basic Operation – Customise

1. Turn the knob to choose the option then press to enter.

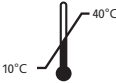
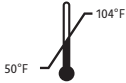


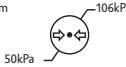


2. Turn the knob Left/Right to choose the perimeter.
Pressing the knob can go to the next setting.



T=Time, P=Power, D=Duty, B=Bottom Light

3. Product Specification

Type of Information	Specification
Product Name	LED Light Curing Machine
Model	CURIE
Power input	100-240 Vac / 50-60 Hz
Power consumption	70 W
Fuse	2 A
Quantity of LEDs	31
Wavelength of LED	365, 385, 405 nm
Curing Time	1 second to 20 minutes
Dimension	L 200 x W 220 x H 160 mm (MAX.)
Weight	3 kg
Operating Environment	<div>Indoor use only</div> <div> <div>Ambient Temperature</div> <div>   </div> </div> <div> <div>Relative Humidity</div> <div>  </div> </div> <div> <div>Atmospheric Pressure</div> <div>   </div> </div>



ACKURETTA