

# Light Curing Unit

## Description

HUGE Light Curing Unit is designed for the polymerization of light curing individual tray and other light curing materials. It is featured with high polymerizing capacity and low maintenance. The shaped light curing material can be fast cured in 3 minutes in it. And it is quite easy to operate in just a few steps.

## Advantages

- Easy operation
- High polymerization capacity
- All voltage available: 110V and 220V
- The power cord can be easily detached, making the unit suitable for transportation, carrying and replacement.

## Instructions



Lay the Light Curing Unit to be horizontal and connect it to power supply



Put the shaped light curing material into the chamber for curing



Switch on the Unit, choose the 180s mode, press the button "Start" and wait a moment for curing

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in Prosthetic  
Dentistry



## Light Curing Tray/Unit

An Ideal Custom Tray Material

- > Easy operation
- > High accuracy
- > Outstanding Strength
- > High plasticity
- > Pleasant smell



Shandong Huge Dental Material Corporation

Add / No.68 Shanhai Road, Donggang District, Rizhao City, Shandong Province, 276800, P.R. China.

Tel / +86 (633) 2277268 marketing@hugedental.com www.hugedental.com

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# Light Curing Tray

## Description

HUGE Light Curing Tray is a preformed tray indicated for making individual trays, and can also work as a temporary base plate in dental labs. As A light curing material, it can be fast cured within 3 minutes in a curing unit. The product is characterized by its easy operation, high precision, low deformation rate, high plasticity and its pleasant mint flavor.

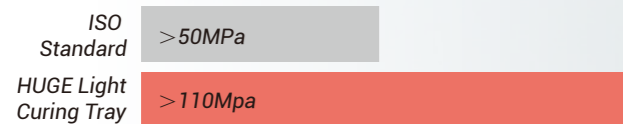


## Application

### Making individual tray

	Light Curing Tray	Self-cured resin Tray	Metal Tray
<b>Operation</b>	preformed → ready for use and time-saving	need mixing and kneading first → complicated and time-consuming	—
<b>Plasticity</b>	soft but with certain strength → easy to trim and shape when taking an open tray impression	too soft to work with in dough stage → difficult to trim and shape when taking an open tray impression	hard and rigid metal material → difficult to open window
<b>Accuracy</b>	high hardness after curing → low deformation rate ensuring accuracy	existence of contraction → unstable and inaccurate	specific and uniform size → fail to match different oral forms and inaccurate
<b>Smell</b>	mint flavour → pleasant smell	residual stimulative monomer → pungent smell	—

### Flexural Strength



### Elastic Modulus





### Making temporary base plate

	Light Curing Base Plate	Wax base Plate
<b>Operation</b>	preformed → ready for use and time-saving	need heating first → time-consuming
<b>Accuracy</b>	high hardness after curing → low deformation rate ensuring accuracy	vulnerable to temperature → unstable and inaccurate

## Main Advantages

- Preformed, 3-minute fast curing → Easy, efficient operation
- High flexural strength ( $\geq 110$  MPa), low deformation rate → no worries in use and transportation
- Customized for individual oral forms → Accuracy for perfect fitting
- High plasticity → applicable in various scenarios, capable of maintaining long-handle shape
- Mint flavor → Pleasant smell
- Various choices → Pink/blue, 2.3/2.0 mm, all available

## Specification

<b>Packaging :</b>	
	
Standard package 50pcs/box	Sample package 2pcs/bag
<b>Thickness :</b> 2.0mm & 2.3mm	<b>Color :</b> Pink & Blue

## Technical Data <sup>[1]</sup>

<b>Operating Time</b>	1 min
<b>Curing Time</b>	3 min
<b>Flexural Strength</b>	$\geq 110$ MPa
<b>Curing Depth</b>	6.5mm

## Storage

Store this product in the ventilation. Avoid flame, high temperature and direct sunlight.  
Storage temperature: 4°C ~ 25°C  
Validity: 3 years

[1]: Data from HUGE professional laboratory test report