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# Product Introduction

This product is able to solidify all synthetic resin in the world current market, It use one high power LED which brings a pure blue light reached  $1000 \text{ mW} / \text{cm}^2$ , and its wavelength range is  $420 - 480\text{nm}$ . LED is with the characteristic of long life, and lower consumed, and the machine will have lower cost for maintenance.

With micro-computer aided, work time can be adjusted according to required, which can be viewed on the monitor so that bring more convenience. LED light, by constant-current power supply, is with stable curing effect.

This product have specially one button of 3 seconds intense light for dental cosmetology for erose tooth.

# Installation & Teardown

## 1. Install the host unit .

FB-A6: let the adapter connect to power supply  
AC 100 ~ 240 V;

FB-A8: let 2 electrical wires connect to power supply  
AC 12V in your dental unit (complex treatment unit).

## 2. Fix the turbo light guide.

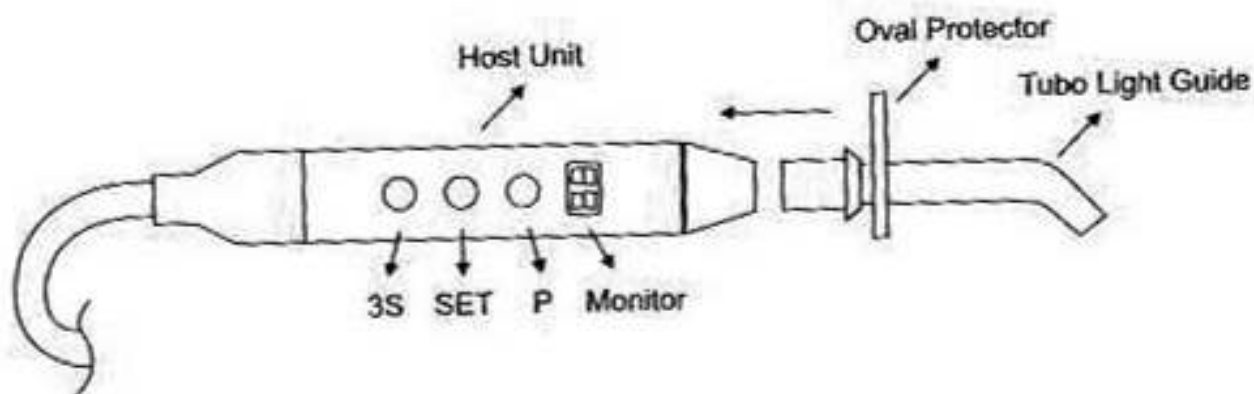
Insert metal tip of the turbo light guide to the upside of the host unit.

## 3. Install the oval protector

Let the oval protector rings the light guide.

## 4. Teardown the machine in an opposite way as above mentioned.

## Product Parts Name



## Operation Guide

- (1) Press any button to turn it on.
- (2) The default operating time is 10s. Generally, if the resin thickness is no more than 4 mm infilling you can cure directly.
- (3) The operating time can be adjusted if any need, press the SET button, it can be 10s or 15s or 20s circularly.
- (4) If it use for dental cosmetology of erose tooth, please press the 3S button, and choose 3 seconds intense light directly.
- (5) After set time, press output key P and operation starts. Direct outlet of light guide to synthetic resin and cure begins, and you can intermit this working process by pressing any key, if any need.
- (6) In the 10s, 15s, 20s output, the light intensity increases gradually while initial stages 20% time.
- (7) After light output, the monitor displays the foregoing time again.
- (8) Automatically shut down: it will be shut off automatically, if you do not press anyone of the three keys in one minute.

## Main Technical Parameters

1. Power consumption  $\leq 8.5\text{W}$
2. Spectrum character:  
wavelength range: 420 — 480nm
3. Operation time:  
10s: gradually light 2s + intense light 8s;  
15s: gradually light 3s + intense light 12s;  
20s: gradually light 4s + intense light 16s;  
3s: intense light 3s
4. turbo light guide: light inlet:  $\Phi 9.8 \text{ mm} \pm 0.4 \text{ mm}$   
light outlet:  $\Phi 7.5 \text{ mm} \pm 0.4 \text{ mm}$
5. Depth of solidifying resin for 10s: no less than 4mm
6. Power supply: FB-A6: AC 100~240V  
frequency: 50/60Hz  
FB-A8: AC 12V  
frequency: 50/60Hz
7. Work condition: work temperature:  $+5^{\circ}\text{C} — +40^{\circ}\text{C}$   
work humidity  $\leq 80\% \text{ RH}$
8. Deposit condition:  
deposited temperature:  $-40^{\circ}\text{C} — +55^{\circ}\text{C}$   
deposited humidity:  $\leq 80\% \text{ RH}$
9. Size of host machine:  $\Phi 2.3\text{cm} \times 23.5\text{cm}$   
(included turbo light guide)
10. Weight of host machine : 170g  
(included electrical wire, turbo light guide)

## Notes

1. No many times light the LED when testing.
2. The curing time should follow this manual setting; generally, the curing time marked on resin would be for normal halogen curing light. This machine has a great light intensity in effect than the normal halogen curing light.
3. When there is any obvious damage or crack with light guide, please use a new one instead.
4. Sterilize the turbo light guide, soak it in alcohol 75% for a few minutes, or choose sterilization stove in high temperature and high pressure condition (temperature 135°C, pressure 0.22MPa). But not cold and heat apace.
5. When there is stain on the machine, please wipe with the absorbent cotton with 75% alcohol.
6. Please turn off the power supply after you work.

## **Packaging and Accessory**

Packaging list:

- |   |   |
|---|---|
| 1. LED hot unit                             | 1 |
| 2. Turbo light guide                        | 1 |
| 3. Oval protector                           | 1 |
| 4. Instruction (attached with Packing List) | 1 |



## **After-sales Service**

1. In case of any poor quality found within one year after the date of purchase, free warranty may be provide (not include light guide).
2. When there is one of the following cases, will be charged for the repair:
  - \* the damage is caused by operation; maintenance and storage not follow this instruction.
  - \* disassembly machine by clients.
  - \* using different power supply required
  - \* if can't resist what factors result in damaging.
  - \* beyond expiry of free maintenance.

**Note:** If there is any complaint for light guide, it is necessary to show all parts of the rod.