Ackuretta UV Oven
Model Name: Tray-LED
(405 nm, 9:50 Min, Flashing)

Table of Contents

⚠ **EQUIPMENT NOT SUITABLE FOR USE IN THE PRESENCE OF FLAMMABLE ANESTHETIC MIXTURE WITH AIR OR WITH NITROUS OXIDE.**

1. Introduction

1.1 Preface

Dear valued customer, thank you for selecting the Ackuretta UV Oven. This curing unit is developed for polymerization of SLA/DLP resin.

Inappropriate use may damage equipment and be harmful to human body. Please read the relevant safety instruction in this manual. This helps you use this equipment properly and easily.

1.2 Characteristic/feature

1. This unit consists of dental Violet L.E.D. which have much longer lifetime than halogen lamps.
2. Digital display control panel provides simple and user-friendly operation.
3. Widened curing chamber room makes the in-and-out of the curing object easier.
4. Inner surface of the chamber is surrounded by glossy stainless steel which reflects the LED light and makes performance uniform.
5. Buzzer upon curing process complete.
6. Safety interruption of curing process if door is opened.

1.3 Signs and symbols

The signs and symbols in the user manual and on the curing unit facilitate the finding of important points and have the following meanings:

⚠ **:** Caution, attention.

📖 **:** Refer to user manual.

∿ **:** Alternating current.

❘ **:** On (supply)

◯ **:** Off (supply)

☉ **:** Turn on/off the light by pressing this button.

🕐 **:** Use this button to preset the curing time. The increment is 10sec, and the longest curing time setting is 9 min 50 sec each cycle.

CE **:** This product corresponds with CE standards.

2. Safety First

2.1 Indications

The LED lab curing unit must only be used to cure light-activated composite and resin. Uses other than the one foresaid purpose are contraindicated. The manufacturer does not assume any liability for damage resulting from misuse.

2.2 Health and Safety Instructions

1. Direct view into the light without a filter or goggles may lead to eye harm.
2. Do not place the unit in the immediate vicinity of heaters or other sources of heat.
3. Place the apparatus away from combustible objects.
4. Make sure that no foreign objects may enter the air vent.
5. The unit must be used indoors.

2.3 Working Environment

In order to ensure optimum performance, please keep this unit in a clean environment. Dust might settle on the LED, causing malfunction of the LED or other damage.

3. Product Description

3.1 Product Specification-Technical Data:

Power Supply Voltage:

100-240 VAC   50/60 Hz

Wattage: MAX 65 W

Dimension:

Height:	150 mm
Width:	200 mm
Depth:	216 mm
Weight:	3.3KG

Operating Environment:

AMBIENT TEMPERATURE:	+10℃ ～ +40℃
RELATIVE HUMIDITY:	30% ～ 75%
AMBIENT PRESSURE:	700hPa ～ 1060hPa

Transportation And Storage Conditions:

AMBIENT TEMPERATURE:	－10℃～+70℃

| RELATIVE HUMIDITY: | 10%～90% |
| AMBIENT PRESSURE: | 500hPa～1060hPa |

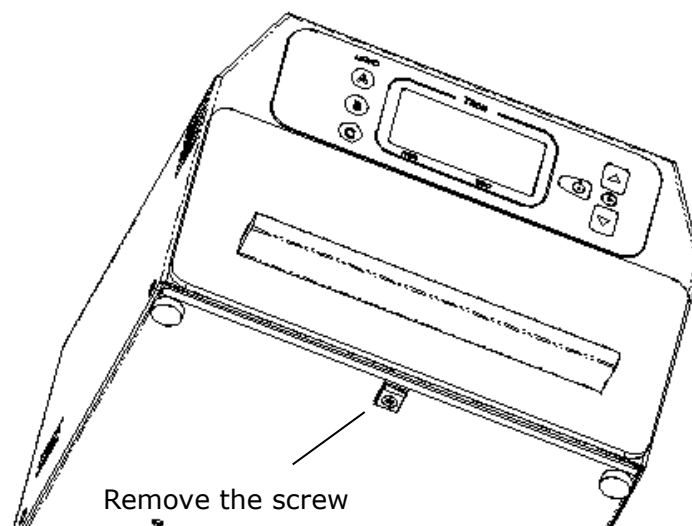**Wavelength:**   405 +/- 15 nm

3.2 Unpacking and checking the content

1 Main curing box equipment

1 Power cord

1 Protective Goggle

1 User Manual

3.3 Assembly and initial start-up

Note: Prior to first use, please remove the screw on the bottom. Make the tray movable and ready for use.

Remove the screw

1. Make sure that the voltage indicated on the rating plate complies with local standard.
2. Selecting location: Place the unit on a flat surface. Make sure it is not exposed to the immediate vicinity of heaters or other source of heat. Protect the unit from direct sunlight. Make sure the air may properly circulate between the wall and the unit.
3. Connect the power cord with the power socket.

Power socket   Power switch
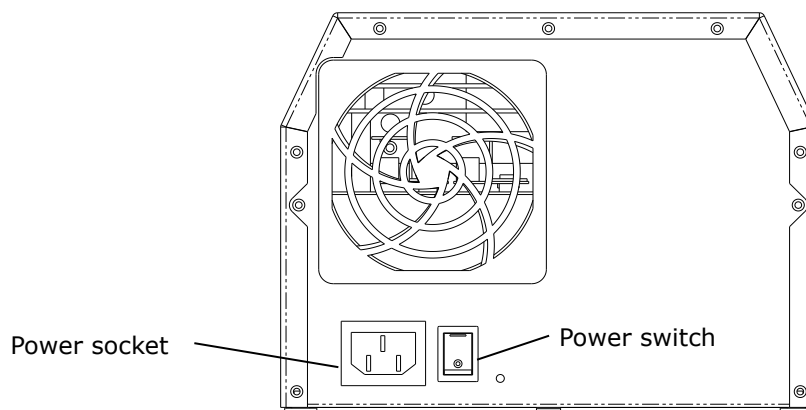
3.4 Optional Accessories

Optional accessories of Extra eye protection goggles can be purchased from authorized Rolence dealers where you purchase this unit.

4. Operation

Preparation: Turn on the power switch on the back. Put the light-cured object in the effective place/center of the tray. Make sure the tray is well closed.

4.1 Switching on/off

Control panel consists of digital display timer, "on/off" button, "△"up, and "▽"down time adjusting button. Select your preferred curing time by pressing "up" and "down" button. Activate on/off button to start/stop curing process.

4.2 Curing

This unit supports 2 types of curing process: (1) Regular Continuous Mode (2) Flashing Mode – 10 Hz on & off flashing. To activate the Regular Continuous Mode curing, press the On/Off button. To activate the Flashing Mode curing, keep pressing the On/Off button for more than 4 seconds until you hear a beeping sound. The UV Oven will then start the Flashing Mode curing process. The maximum curing time per cycle can be set at 9 min 50 seconds. When curing process starts, the digital timer will count down - indicating the remaining time of the process. In an emergency, stop the process by re-pressing On/Off button.

4.3 Buzzer

Audible 5-short beeping sounds upon curing process completed.
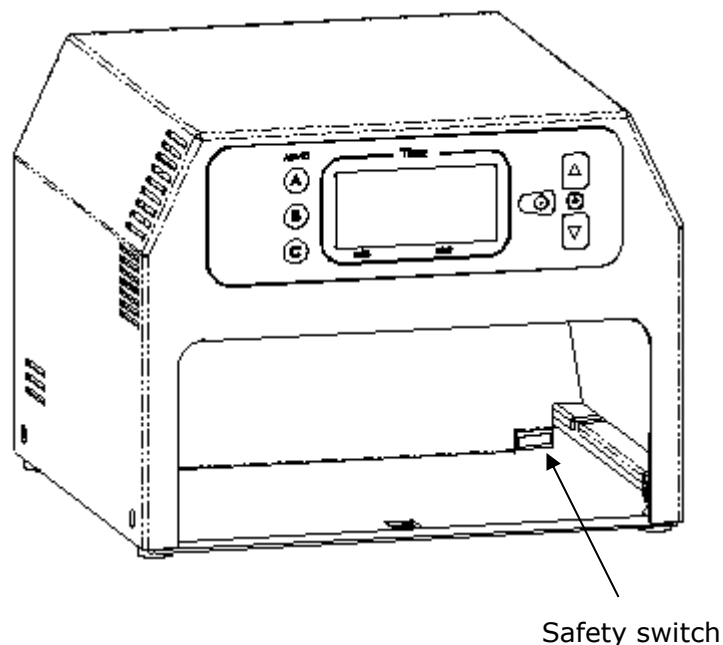
Safety switch

4.4 Safety switch

The system will be automatically suspended to protect operator when opening the door during curing. In case the tray is not well closed to trigger the safety switch, the device cannot be operated.

⚠️ If you are not wearing safety goggles, do not press the safety switch when the system is suspended by opening the door. Please wear a safety goggles when looking into the chamber.

4.5 Memory Function

The system features memory function to memorize the curing time. 3 settings are available on the left side of control panel showing as three buttons, Ⓐ, Ⓑ and Ⓒ. Press down each button for 5sec until there is a beeping sound and flashing numbers, indicating that the current curing time is well memorized. Press button to recall preferred setting before use.
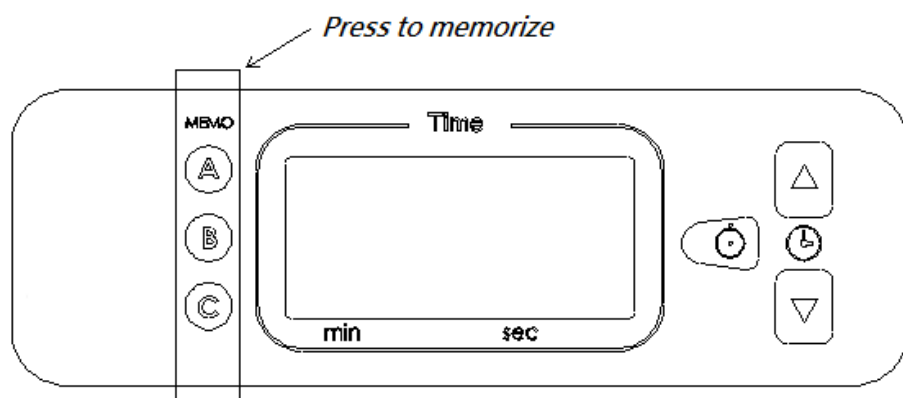
5. System Maintenance and Cleaning

5.1 Maintenance

Disconnect power cord before cleaning, since there is still a risk of electrical shock. The inner surface of the chamber is surrounded by glossy stainless steel to reflect the LED light. To maintain the light curing efficiency, please make sure the stainless steel is cleaned before curing.

5.2 Cleaning

Please use neutral detergent for cleaning outer surface and chamber. Do not touch LED, as sweat can considerably shorten the life cycle of the LED. The time for these maintenance/cleaning procedures depends on the frequency of use and the working habits of the users. It is recommended to clean chamber and stainless-steel reflector every 2 weeks.