

# KOTALUX 2.0

## PHOTOPOLYMERIZER



USER GUIDE

**KOTA**  
since 1992

## **DEAR USER,**

Thank you for purchasing a KOTA product.

KOTA equipment is manufactured with high quality materials to ensure the reliability and safety of its products.

To maintain the perfect functioning of your KOTALUX 2.0 PHOTOPOLYMERIZER, some basic care is required. Read this guide carefully and follow the installation and use guidelines.

## SAFETY PRECAUTIONS



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Use original KOTA products, as indicated by the brand name, to ensure the performance of your equipment.

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Do not modify the equipment, or allow others to do so, unless specifically authorized by KOTA, as performance and/or safety may be compromised.

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Any change without prior authorization will void the warranty.

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Do not use extension cords or any type of connector between the power cord and the outlet. Doing so may reduce the performance of your equipment and increase power consumption.

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Use only a damp cloth for cleaning. Do not use abrasive, solvent, or corrosive products on the unit.

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## 1. ABOUT THE MANUAL

The purpose of this guide is to explain the operation of your KOTALUX 2.0 Photopolymerizer and to inform the user of the correct way of installation and operation. The information contained in this guide is the property of KOTA EQUIPAMENTOS INDUSTRIAIS LTDA and may not be reproduced without the authorization of the company. KOTA EQUIPAMENTOS may make changes to improve the guide and the product without any prior notice.

## 2. FEATURES

- ▼ Turntable for better light distribution;
- ▼ Photopolymerizer with LED lighting system;
- ▼ Digital timer from 00:30 to 09:30 minutes;
- ▼ Polymerizes most resin types.

## 3. EQUIPMENT USE INDICATION

Equipment indicated for use in dental prosthetic laboratories for photopolymerization and 3D printer resin.

## 4. TECHNICAL SPECIFICATIONS

**Voltage:** 110 V or 220 V bivolt (automatic);

**Power:** 82 W;

**Frequency:** 50-60Hz;

**Fuse:** 10 A;

**Rotary table:** 5 to 6 rpm engine;

**Light spectrum:** 460 nm (peak);

**Light source:** LED;

**Height:** 300 mm;

**Width:** 230 mm;

**Depth:** 250 mm;

**Net weight:** 6.5 kg;

**Color:** black and brushed steel.

## **5. HOW TO TRANSPORT, HANDLE AND STORE THE EQUIPMENT AND/OR ITS COMPONENTS**

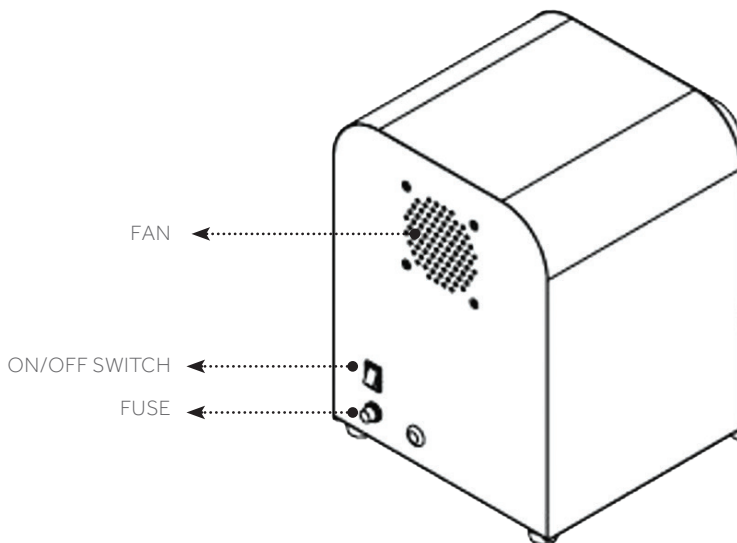
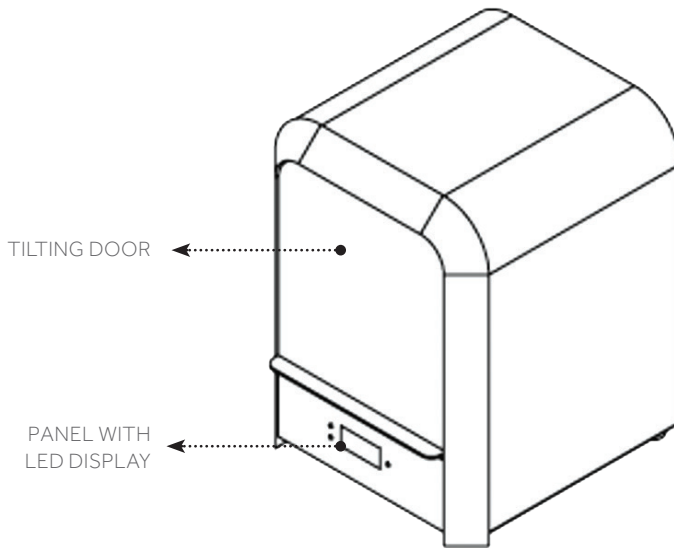
We recommend that the equipment be kept in its original packaging until it is finally installed, and that the instructions on the packaging be followed.

This product is intended for use in a weather-protected environment, i.e., indoors.  
Do not install your equipment outdoors.

Store in a dry, cool place away from sunlight.

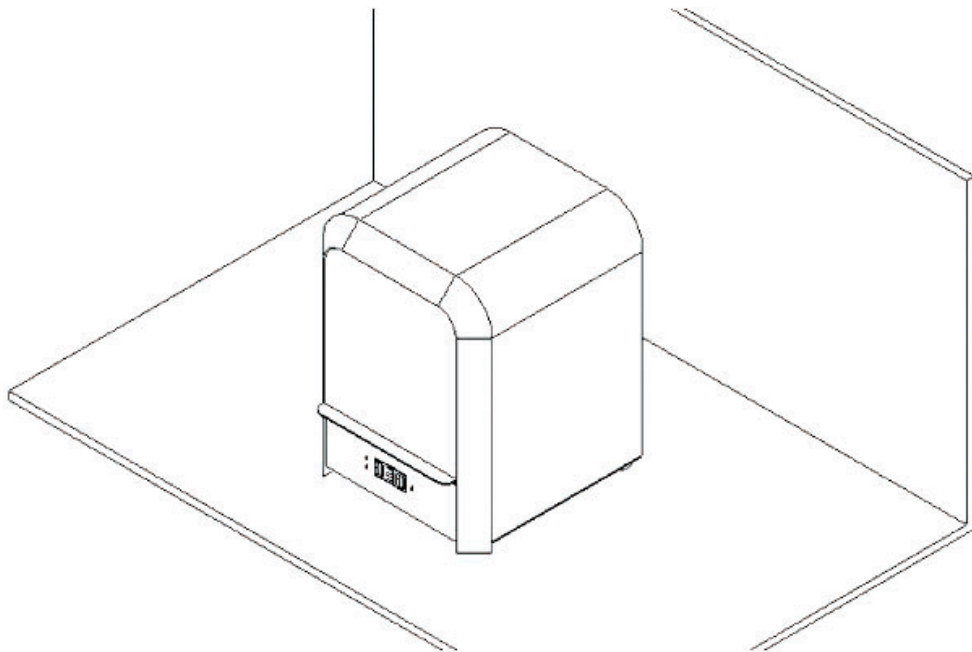
The equipment must be handled by trained personnel.

## 6. EQUIPMENT OVERVIEW



## 7. INITIAL INSTALLATION

1. Install the KOTALUX on a flat and solid surface, keeping it at a minimum distance of 15 cm from the wall behind the equipment to ensure perfect cooling.



2. Do not use any type of plug adapter or socket adapter.



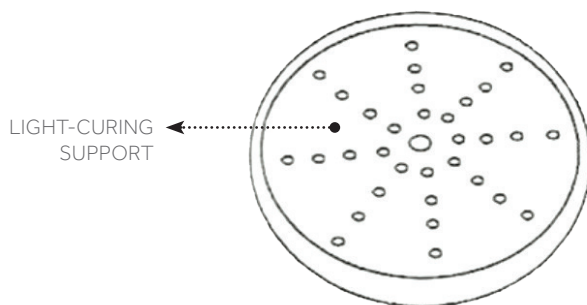
## 8. INSTALLATION CHECK

Where and how the photopolymerizer is installed is important for its good performance and the safety of the user. For optimal installation, several factors should be considered:

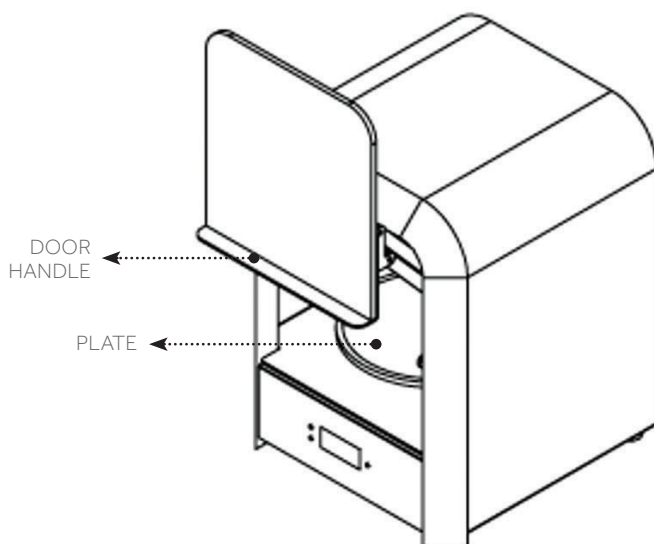
1. Place the unit in a well-ventilated location that allows air circulation;
2. The equipment must not be in contact with or in the same direction as the electrical outlet to facilitate its removal;
3. The power cord of the equipment shall not be connected to the outlet in such a way that it is stretched/tensioned;
4. Install on a flat surface;
5. Do not install near faucets or sinks where liquid may splash on the equipment;
6. We recommend keeping the unit at least 6 inches (15 cm) from the wall to allow for air circulation.

## 9. EQUIPMENT OPERATION

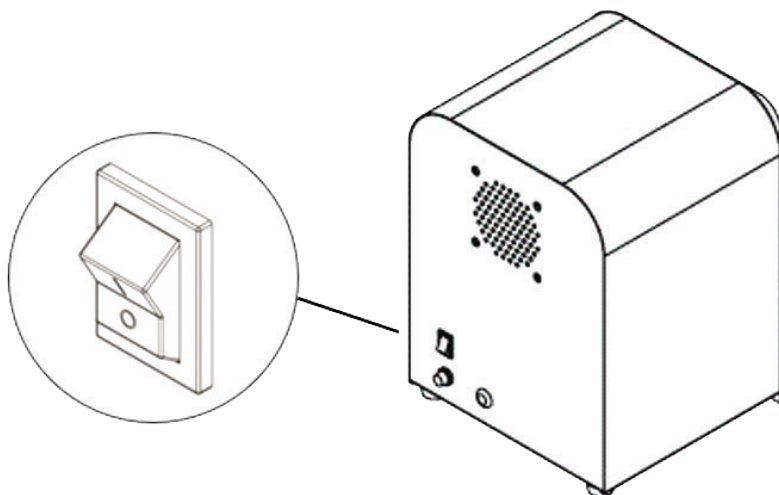
1. Place the material to be polymerized on the photopolymerization support.  
Place both in the equipment before starting the process.



2. Pull the equipment door and perform the tilting movement to open, place the material to be light-cured on the plate and then close the door.



- 3.** Turn on the main power switch located on the back of the unit.  
The digital display will light to indicate that the unit is on.

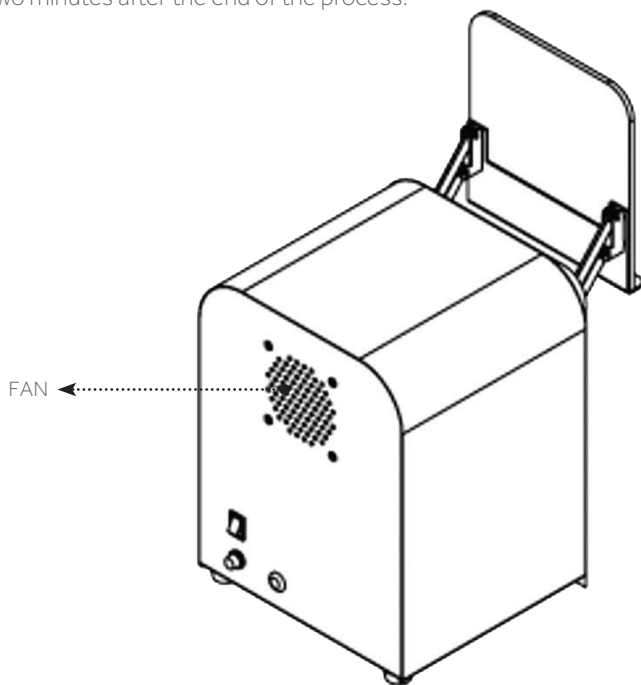


- 4.** The light-curing time is set using the "▲" and "▼" buttons on the control panel and can be set every 30 seconds on a scale from 00:30 to 09:30 minutes.



- 5.** After selecting the desired time, press the "power" button to start polymerization.  
The LED will light up and the numeric display will show the regression time.
- 6.** To stop the process, press the "power" button again.

7. The fan at the back of the unit is activated at the start of the process and remains on for two minutes after the end of the process.



## 10. SAFETY PARAMETERS

- Do not open the appliance door during operation;
- Install on a flat surface away from sinks and faucets;
- Use the light-curing support to secure the work.

## 11. CLEANING AND SANITATION

Use only a damp cloth to clean the unit when it is unplugged and cold. Do not use abrasive products, such as solvents, that are corrosive to the equipment.

## 12. MALFUNCTIONS AND TROUBLESHOOTING

FAILURES	POSSIBLE CAUSES	SOLUTIONS
<b>LEDs do not light up when you press the power button</b>	<ul style="list-style-type: none"><li>• The power button on the back of the unit is not activated.</li></ul>	<ul style="list-style-type: none"><li>• Check that the power switch is in the ON position;</li><li>• If the problem persists, contact KOTA Technical Support.</li></ul>
<b>Display panel does not light up when on/off switch is pressed</b>	<ul style="list-style-type: none"><li>• Power outlet malfunction;</li><li>• Electrical fault in the equipment;</li><li>• Lack of electricity.</li></ul>	<ul style="list-style-type: none"><li>• Connect to another outlet if possible;</li><li>• Check the power grid;</li><li>• If the problem persists, contact KOTA Technical Support.</li></ul>
<b>Equipment is not photopolymerizing resin</b>	<ul style="list-style-type: none"><li>• Time may be lower than recommended by resin manufacturer;</li><li>• The LEDs are not lighting up;</li></ul>	<ul style="list-style-type: none"><li>• Check with the resin manufacturer for the correct polymerization time;</li><li>• If the problem persists, contact KOTA Technical Support.</li></ul>

## 13. INSTRUCTIONS FOR DISASSEMBLY, DEACTIVATION AND DISPOSAL

When this product reaches the end of its useful life, dispose of it in the most sustainable way, in accordance with the local legislation in force in your area.

The device should not be disposed of as normal waste.

## 14. SCOPE AND WARRANTY PERIOD

KOTA Equipamentos guarantees the product and its accessories against defects in materials and workmanship, provided that they are used in accordance with the conditions of use specified in the guide.

The warranty period is 12 (twelve) months from the date of the purchase invoice, consisting of 3 months of legal warranty and 9 months of contractual warranty.

Replaced parts or accessories are warranted for a period of 90 (ninety) days from the date of return of the unit to the customer, or for the remainder of the original warranty period, whichever is later.

## 15. ITEMS EXCLUDED FROM THE WARRANTY

This warranty does not cover:

- Defects or damage caused by use of the equipment other than as specified in the User's Guide;
- Defects caused by damage resulting from testing, installation, modification or any type of alteration carried out by persons or technical assistance not authorized by KOTA Equipamentos;
- Products with the serial number removed or illegible, as well as damage caused by the spillage of aggressive substances on the product;
- Electrical discharges or variations in electrical current that may damage the equipment;
- Failure to seek KOTA authorized technical assistance during the warranty period will automatically void the warranty;
- If you need to contact KOTA Equipamentos, always have the purchase invoice of the equipment and its corresponding serial number.

**KOTA EQUIPAMENTOS INDUSTRIAIS LTDA.**

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