

NextDent™ LC-3DPrint Box Instructions for use



1.0 General cautions:

- Read this manual carefully before use.
- This machine should be used by professionals only.
- The built-in safety mechanism should not be removed or modified.
- Do not allow unauthorized persons to repair the machine.
- Do not use this machine for any other kind of material than NextDent 3D printing Materials.

1.1 Safety warning label information:



- Do not touch live electric parts.
- Turn off power source and disconnect power cable before installing or servicing the equipment.
- Turn off the equipment when not in use.
- Do not use worn and damaged cables.
- Use only well maintained equipment.
- Do not handle power cable with wet hands.



- Keep children away.
- Always turn-off the machine before cleaning
- do not open the lid, when machine is in use.
- do not cover the fan at the back.
- Only use the machine with NextDent 3D printing Materials.



- Do not touch the cover during operation (this cover warms up)

2.0 Check the package contents:



- NextDent LC-3D Print Box
- AC Power cable
- 6pcs of 18W lamps-71color
- 6pcs of 18W lamps-78 color
- Inside metal grid
- Users Instruction Manual
- Electric diagram
- Declaration of conformity
- Warranty conditions

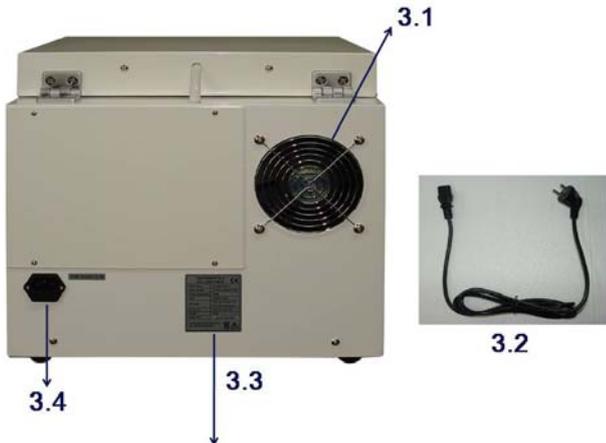
2.1 Prepare the area where the NextDent LC-3D Print BOX will stand:

- The surface should be flat and dust free.
- Make sure there is enough space on all sides.

2.2 Steps for installation:

- Connect all the lamps (12pcs) to all the lamp sockets which are placed in the cover and the chamber.
- Connect the power cable to the power socket.

3.0 Description of the backside of the machine



NEXTDENT B.V UV LIGHT BOX		CE
Model Name	LC-3Dprintbox-1	
Rated Voltage	AC230V 50/60Hz 1.26A	
Power Consumption	290W	
Fuse	AC250V T2.0A	
UV Lamp	FPL 18W 71Color x 6 FPL 18W 78Color x 6	
Dimension	W410xD440xH380	
Weight	22kg	
Serial NO		
SUPPLIED BY NEXTDENT B.V IN THE NETHERLANDS		

FUSE AC250V T2.0A

3.1 Fan

The machine is equipped with a fan on the back to cool down the inside and maintain the proper temperature inside the machine.

Fan operates when the machine is in use.

-The fan will continue cooling for 10 minutes if the machine was running longer than 10 minutes

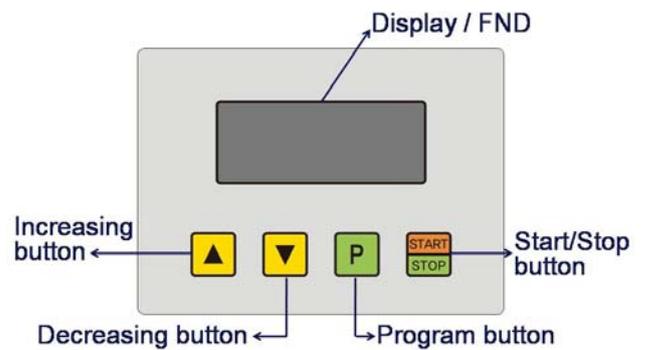
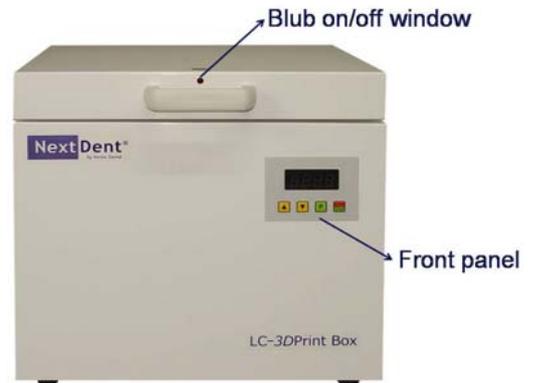
-Fan operates in case the temperature inside the machine is over 33 °C.

3.2 AC power cable

3.3 Identification label

3.4 Fuse Box and AC power cable socket

4.0 Description of the front panel



4.1 Description of function keys



- Increasing button
Button for increasing operation time



- Decreasing button
Button for decreasing the operation time

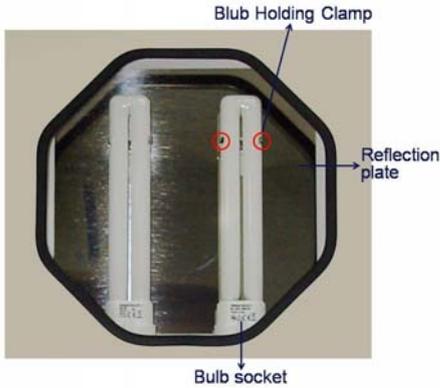


- Start/Stop button
Start/Stop button for starting and stopping operation.



- Program button
Program button for choosing the pre-set programs.
(pre-set programs are:0,10,20 and 30min)

4.2 Description of the inside



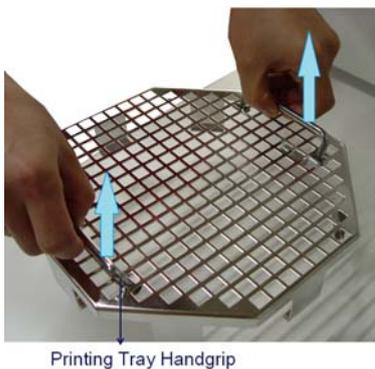
Cover Inside

- lamp holding clamp
- Reflection plate
- lamp Socket
- rubber O-ring



Chamber Inside

- Cover Locking Sensor : sensor for openign and closing. The machine does not work when opened.
- Temperature Sensor :In case the temperature inside the chamber reaches over 45°C, the machine stops automatically and Err 1 will appear on the display.
- Rubber O-ring
- lamp holding clamp
- Reflection plate
- lamp Socket



Printing Model Tray

- metal grid with handles



When replacing the lamps, always disconnect the power cable, or switch off the machine.



Do not open the cover when the machine is switched on.

5.0 Operating

5.1 Starting mode



- Press the power switch (green button) on the right side.



- When switching on the machine,the version information message (version:V102) will appear on the display.



- After two seconds,the last operation time will appear on the display.

5.2 Operation Mode

- When the last operation time has appeared on the display, the user can choose a preset time by holding the program button. Or the user can increase or decrease the operation time by pressing the increase or decrease button.



- A user can start the machine by pressing the start/stop button.the time will count down and the dots will be blinking. (By pressing the start/stop button, the operation time will be memorized automatically.)
- A user can stop the machine by pressing the start/stop button again.



- After the operation time, the message-"End" will be displayed automatically. At the same time,the machine beeps 9 times.

6.0 Error message



Error message by automatic self-checking function during the operation.



- The error message-"OPEN" will appear on the display when an user opens the cover during operation. At the same time, the machine beeps three times.



- In case the temperature inside the machine reaches over 45°C, the machine stops automatically and Err 1 will appear on the display.



- when there is a problem with the temperature sensor, the machine stops automatically and Err 2 will appear on the display. (contact distributor)

E: info@vertex-dental.com
W: www.vertex-dental.com

7.0 Specification

1. Related voltage: 230VA, 50/60Hz, 1.26A
2. Power consumption: 290W
3. Fuse: T2.0A, AC250V
4. Dimension: W 410 X D 440 X H 380
5. Weight: 22Kg



Please note that electrical/electronic units must be disposed off separately. Do not dispose with household waste. The black bar on the "garbage bin" symbol indicates that the unit was put into circulation after August 13, 2005. Please note that the unit is subject to regulation 2002/96/EC (WEEE) and applicable following national laws and must be disposed off accordingly. Please contact your dealer if the unit needs to be disposed off.

8.0 Manufacturer Information

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This machine has been developed for use in a 3D printing environment. Liability cannot be accepted for damage resulting from misuse or failure to observe the instructions. Modifications and misprints with reservation.