

DentCare

BQP-D15 3D Printer **Installation Guide**



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Unpacking & Inspecting the Printer

Inspection

- 1) Check if box have been opened
- 2) Check if any damage occurred on the box

In this scenario, the printer package was not handled properly during the shipment procedure.

- Photograph the damage
- Contact the shipping company

Unpack

Once the packing material is removed, examine the printer.

If the printer is damaged –

- Photograph the damage
- Contact the BenQ AB DentCare distributor office with details of the damage.

If the damage to the printer might prevent the printer from working safely or efficiently, stop and wait for instructions from the regional BenQ AB DentCare office.

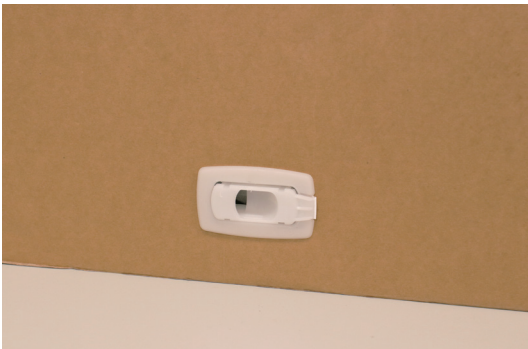
(1)
Place the protection box on a flat surface



(3)
Remove the outer box from top



(2)
Remove 4 white protecting stable lock surrounding the box (one per surface)



(4)
Unpack completed



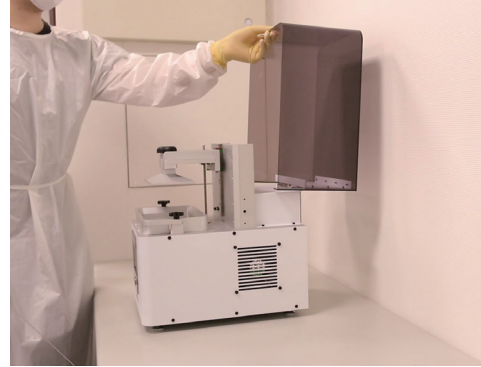
WARNING

※ Printer net weighs about 20kg.
Please be careful, and use proper lifting techniques to avoid injury.

Location

Ensure your BQP-D15 is placed on a flat table top with access to mains electricity. Avoid sunlight direct as this will degrade material left in the machine.

- (1) Required at least 20cm space around the printer. (2) When open the cover, make sure there's enough space behind and above the printer.



WARNING

※ Dust pollution will cause printing failure. Do not place your printer in dusty environment, such as zirconia milling workplace.

WARNING

※ Printer net weighs at least 20 kilograms. Please be careful, and use proper lifting techniques to avoid injury.

NOTE Do not discard your carton. Put it in a safe place should you need to ship your printer for any reason.

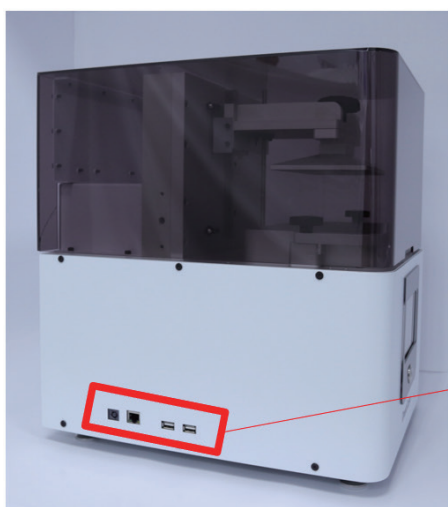
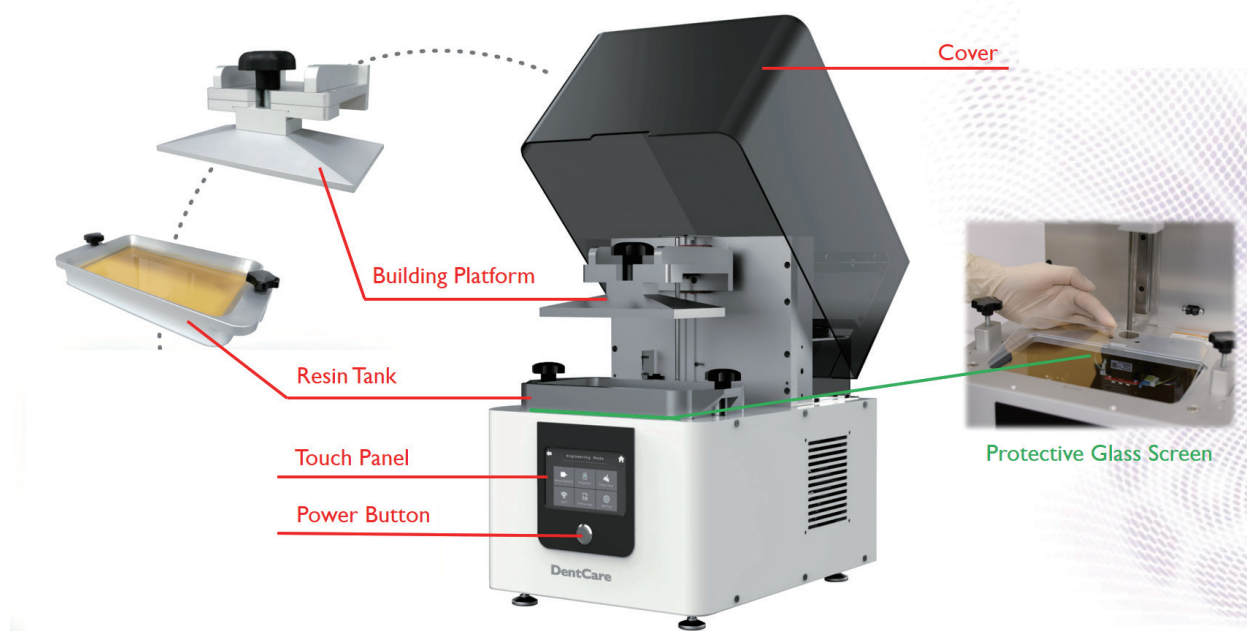
Package Contents

There is a printer and an accessory box inside the package. As soon as you receive our products, please verify its content and check if there's any exterior damage due to transportation.

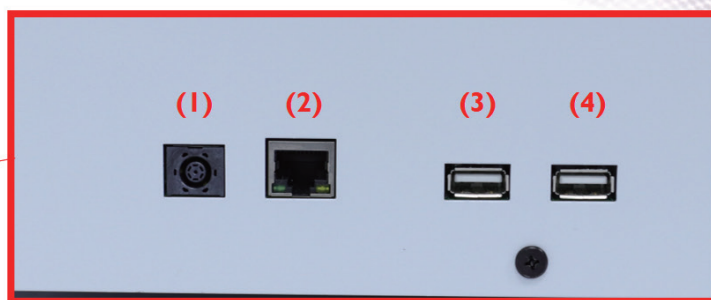


- ① ethernet cable
- ② cord
- ③ adapter
- ④ plug adapter
- ⑤ putty knife
- ⑥ tweezer
- ⑦ side cutter
- ⑧ scraper
- ⑨ resin scraper

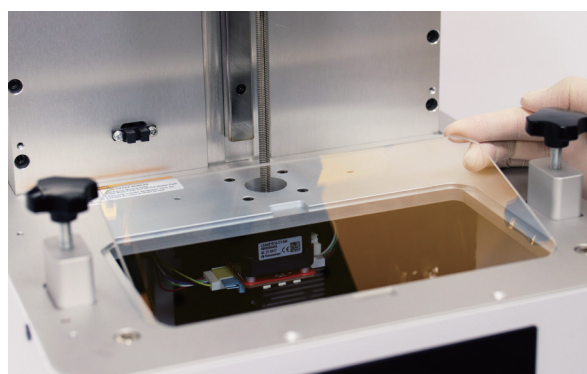
Product Overview



- (1) Electrical Outlet/ Adapter
- (2) Network Port/ RJ-45 Cable
- (3) USB Port1
- (4) USB Port2



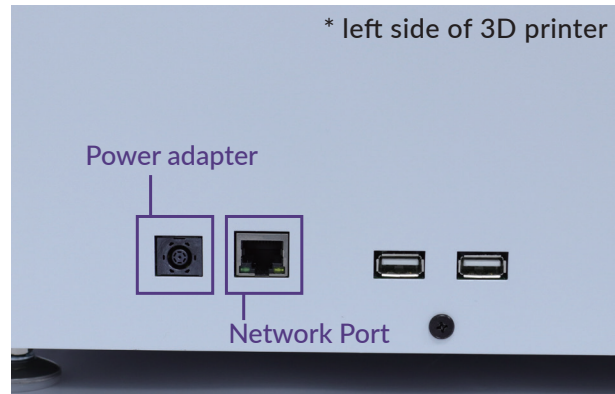
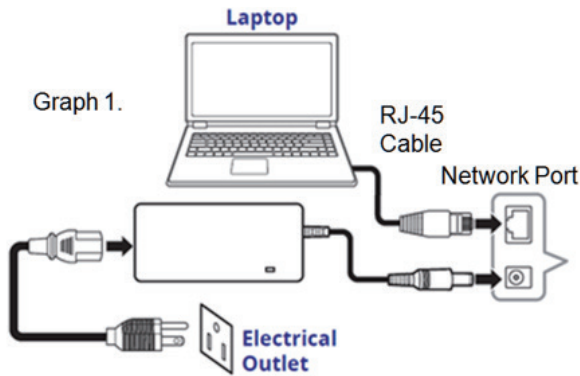
- Take out the resin tank module and check if the film isn't damaged.
- Check the protective glass screen if it has been damaged while transportation.



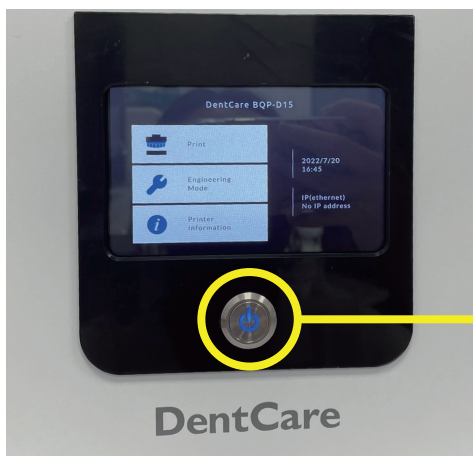
Power & Network connection

Connecting To The Power Adapter And Cable

- (1) Connect the power cord and adapter to BQP-D15, and then plug it into an electrical outlet
- (2) Connect your printer with laptop
 - Basic : Connect printer and laptop by RJ-45 cable (Graph1.) [Initiating time 1 minute]
 - LAN : Connect both printer and laptop to local area network [Initiating time a few seconds]
 - IP sharer : Connect both printer and laptop to IP sharer [Initiating time a few seconds]



Power



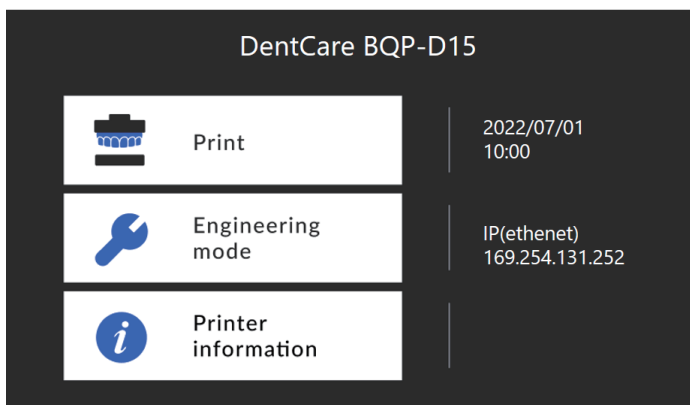
***Start the printer by pressing the power button**

- Process will take about 2 minutes & perform tilt tray calibration by itself
- Please keep your hands out of printer's tilt tray module to avoid serious injury

Power Button

IP Address

The IP address will be seen on the touch panel for connecting the printer with computer for further process.



* Allow firewall access to connect the printer with windows, if computer browser asks for establishing connection permission.

Motor & Projector Operations

- For testing internal machine components, use of touch panel should be done.
- This setting can also be used using the computer by inserting IP address in your computer browser & adding :8080 at the end of IP address.

• There are 3 main components which must be checked are as follow:

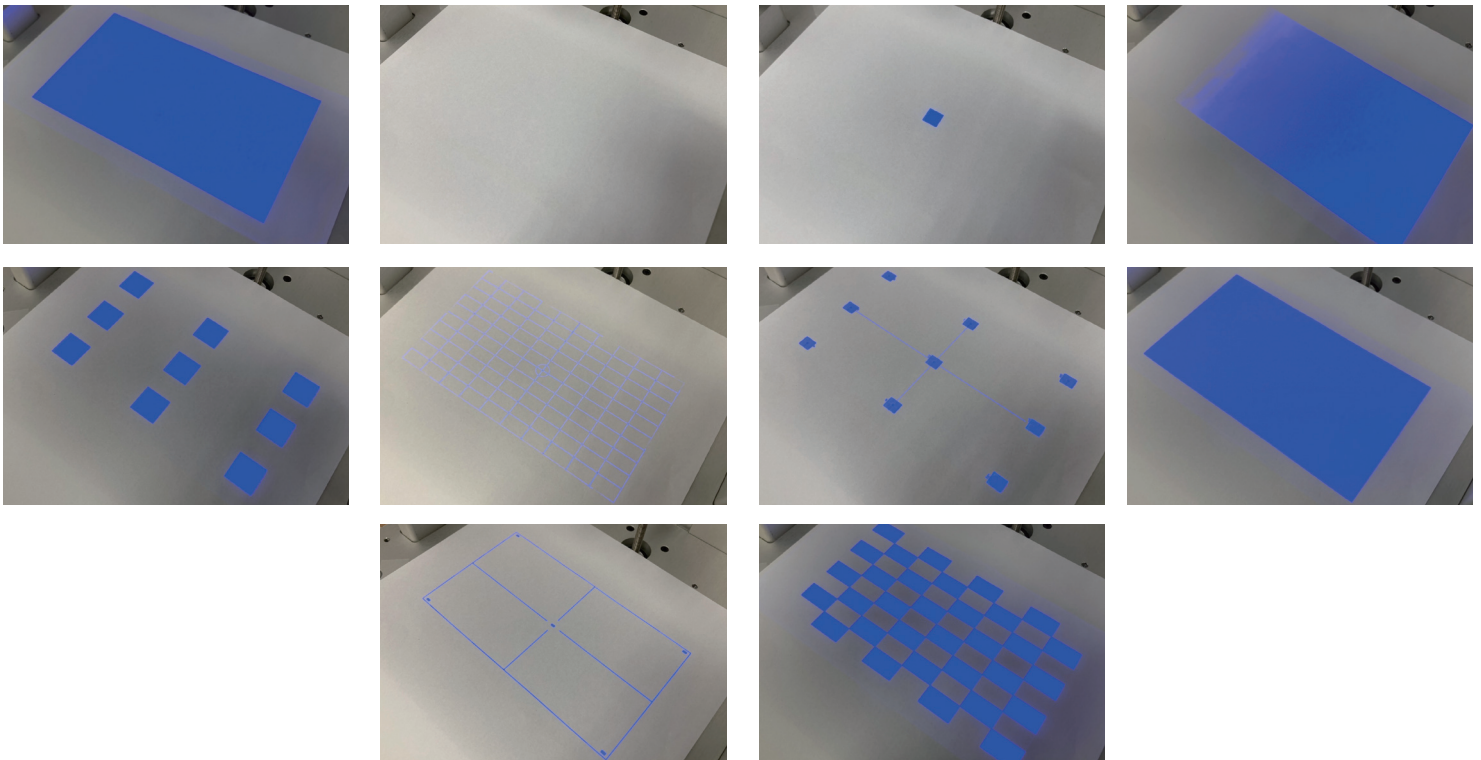
(1) Motor Control:

- Touch on down icon, motor will move downwards.
- Again press up icon, motor will move till upward & stop its movement at stopper.

(2) Projector Control:

Put A4 paper upon the glass screen.

- On/Off : Turn on or off the projector
- Pattern menu : From 01 to 10 are more choices of test patterns.

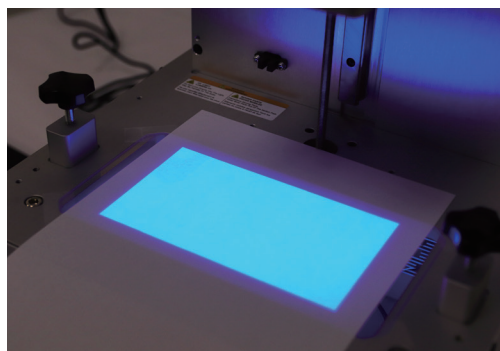


- Light(%): At 100% is the existing brightness of light engine, users can set higher brightness or lower brightness for test printing.

(3) Clean Tank

Put A4 paper upon the glass screen.

- Set curing time
- Press "Clean"
- Check the light display



Test Print

- Using clients or distributors (.stl) file printing model will ensure the final Installation process.
- Please refer Q Slicer user guide for preparing the .3dp file to insert in printer using USB or computer.

Printing Requirements

- Clean the building platform before starting to print .
- Using alcohol or acetone, clean the building platform surface before every printing process.
- Use putty knife or similar object to scrape away the excess printed model on the picker.
If any greasy residue persists, use a soft cloth dipped in alcohol to rub the surface until the grease is removed.

※ Do not use chisel to scrape off the printed parts on the building platform.
The rugged surface of picker will cause the resin tank & UV glass be damaged.

Printing

- Please refer user manual for understanding the printing procedure in details.

Post Processing

- Please refer user manual for understanding the printing procedure in details.

Installation Checklist

- Inspect the printer package has any damage
- Check Accessory Box has all of the mentioned parts
- Ensure that Tank & Glass aren't damaged while transportation
- Check if building platform is provided with printer
- Check if touch panel is working properly
- Check power connection cable & LAN cable connection are working fine
- Check Z axis motor movement
- Check if projector is working fine
- Test Print using client's or distributors model
- Explain contents & training to the end user or operator
- Fill out the installation form
- Fill out service details

Support

More detailed operation steps can be viewed at :

<https://www.youtube.com/channel/UCB-KilG9-bINsZQS5iOV55Q>



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