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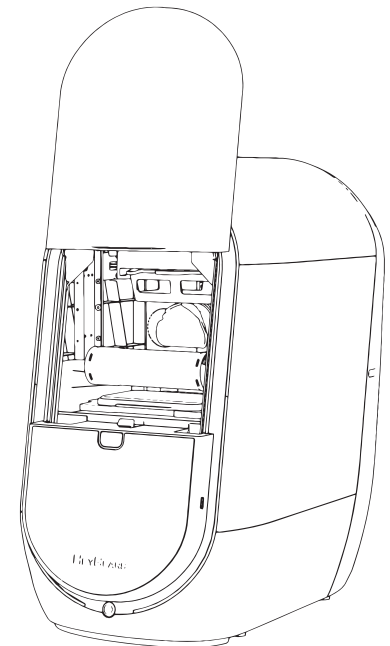
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ChairSide

ChairSide 3D Printer



Please read this installation and operation manual carefully before use

Thank you for choosing HeyGears. **For your safety, please follow the operating instructions.** If you fail to comply with the instructions in this manual, HeyGears will not be responsible for the consequential losses unless required by law.

Please keep this operation manual properly for future reference. The pictures are for reference only and the products are subject to the actual product.

1 Items & Parameters



ChairSide

X1



Power Cord

X1



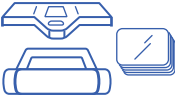
Resin Tank

X1



Disposable Print Platform

X5



Calibration Kit

X1



Leveling Wrench

X1



Nipper

X1



Disposable Cleaning Wipes

X10



Cleaning Box

X2

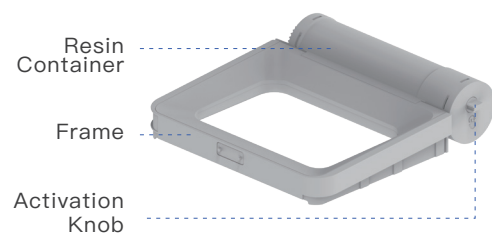
Name	UltraCraft Rapid Production System	Input	100–240 V~ 50/60 Hz
Model	UltraCraft ChairSide	USB Output	5 V $\equiv$ 500 mA
Size	336×528×601 mm	Power	300 W
Weight	22.4 kg		

2 Overview

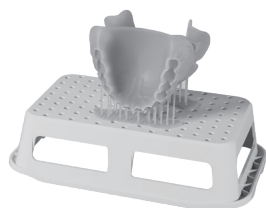


3 Resin Tank & Build Platform

Resin Tank:



Build Platform:



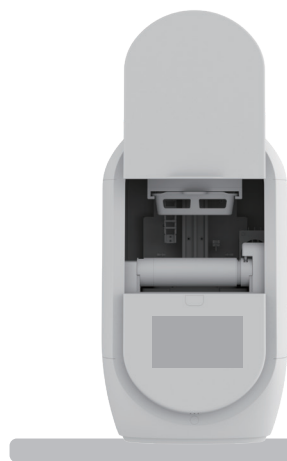
⚠ Attention:

3.1 The resin is prepared in the resin tank, all you need to do is rotate the left activation knob of the tank 90° and press the button to start first use.

3.2 Each Resin Tank contains 160g Model HP Grey resin, which can be used many times after activating until it is used up.

3.3 Build platform is a disposable consumable, which should be discarded after the models are cleaned and removed.

4 Installation Requirements



Place the product horizontally on a stable table

 100V~240V power socket nearby.

 Avoid direct sunlight.

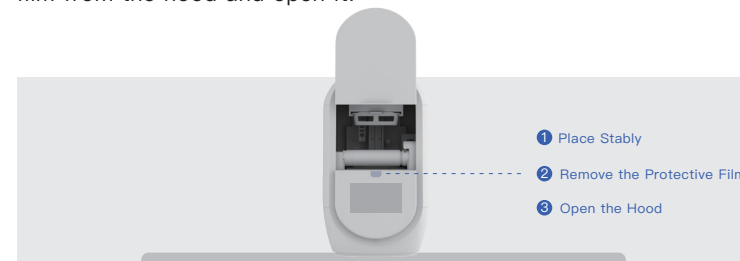
Temperature and humidity need to be controlled:

 0~60°C  10%~90%

5 Operation Steps

STEP 1

After placing the printer on a stable table, remove the protective film from the hood and open it.



STEP 2

Plug the supplied power cord into the printer power port, turn on the switch next to it, and press the power button in front of the machine, then can move to the next step when power indicator lights on.



STEP 3

Insert the leveling wrench into the footpad at the bottom of the printer to adjust the height according to the printer prompts so that to keep it at a horizontal level.



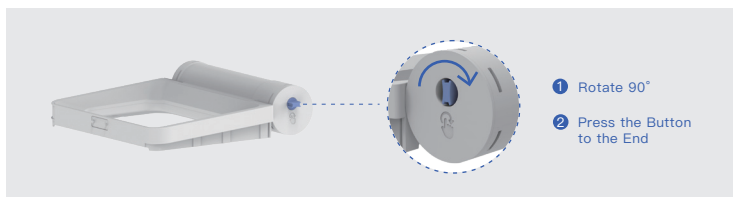
STEP 4

Activate the printer on HeyGears Cloud: <https://user-clinic.hey-gears.cloud/>, register and bind the printer.



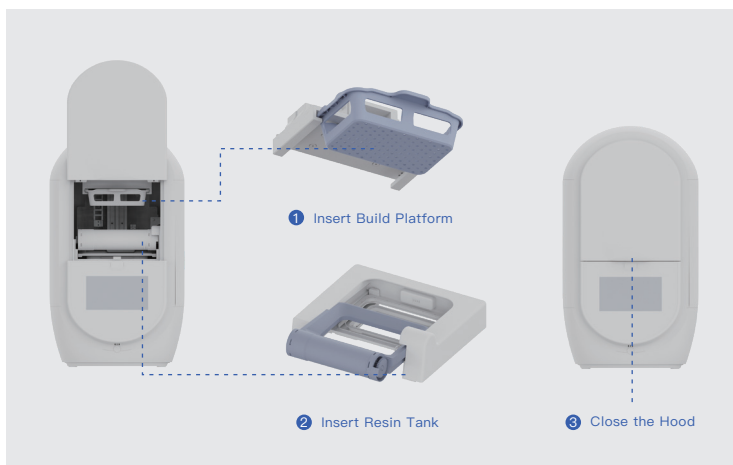
STEP 5

Unpack and take out the resin tank, then rotate the activation knob protruding on the left side by 90° and press to the end to activate. Pay attention that the resin tank cannot be dirty.



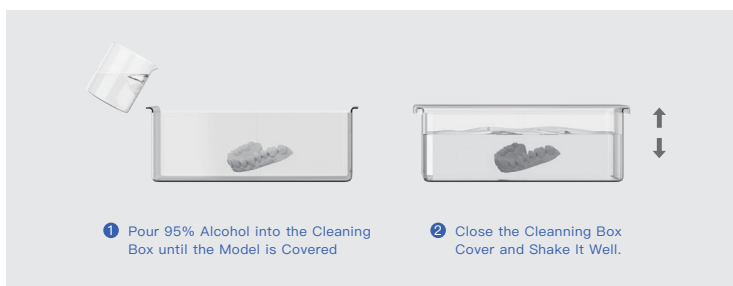
STEP 6

Insert the resin tank and the build platform to the end along the track. After confirming the installation of them, push down the hood to close and start printing by guidance.



STEP 7

When printing finished, open the hood, remove the build platform with model, then begin the post-processing procedure. If you don't have AirWash, you need to separate the model from build platform manually first (If it is difficult to remove, use nippers to help), and then use the cleaning box for cleaning. Pour 95% alcohol into the cleaning box until the model is covered, then close the cleaning box cover and shake it well; The larger cleaning box for roughly cleaning and the smaller for fine cleaning.



STEP 8

If you need to remove the resin tank, please push the tank inward again along the track, then the tank can be removed after popping out. Please keep the lid tightly closed and store it in a safe place away from light.

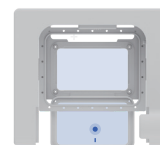


6 Warning



1

Please close the hood in time after installing and removing the platform and resin tank to avoid dust entering the printing area and impact on printing precision.



Projection Glass

2

Please keep the projection glass clean and use disposable cleaning wipes for cleaning.



3

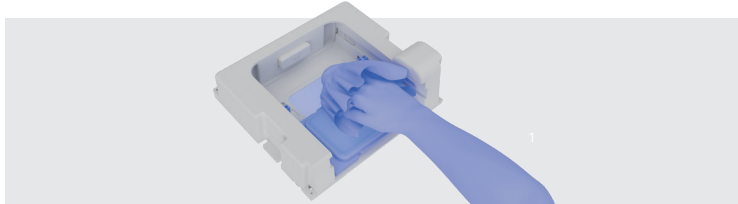
Resin tank need to be stored in a shaded and dust-proof place and keep the temperature between 20~25°C.

7 Light Engine Calibration

It is recommended to calibrate the light engine once every 30 days to ensure the printer is in the best condition.

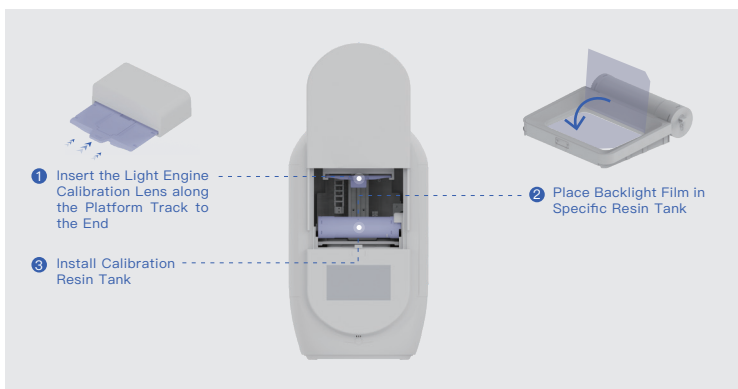
STEP 1

Before calibration, please wipe the projection glass to ensure the optical path is clean.



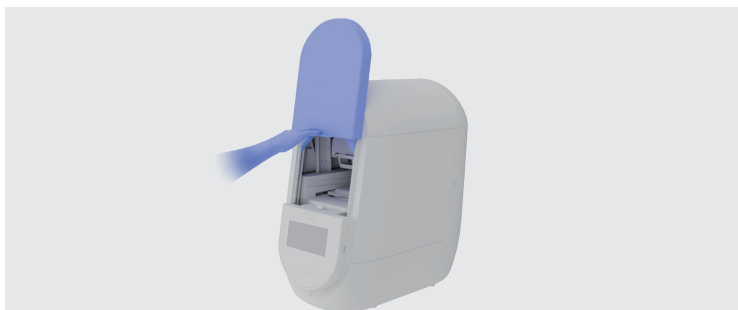
STEP 2

Install the light engine calibration lens and specific resin tank. The installation is the same as the platform and resin tank, then place the backlight film in the specific resin tank. Note that the positioning angle of the backlight film should be installed in the direction as shown in the figure. Each calibration requires a new backlight film.



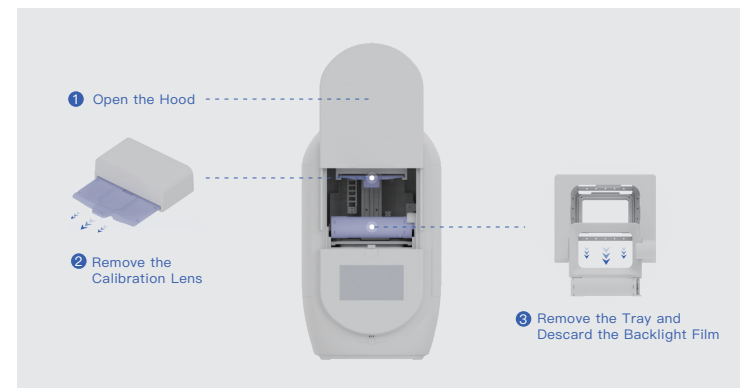
STEP 3

Close the hood, click Start Calibration as prompted by the printer interface, and wait for the end of calibration.



STEP 4

When finished, open the hood and remove the calibration lens and tank, discard the backlight film, and leave the lens and tank for the next calibration.



8 Maintenance and Technical Support

You can contact the after-sales and technical support staff via the following ways:

1. After-sales support email address: support@heygears.com
2. Available worldwide: +1 318-353-4295
3. Europe: +44 148-396-8549
4. USA: +1 949-418-9418
5. Visit <https://www.heygears.com/services>

- AUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
- DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- Do not ingest battery, Chemical Burn Hazard, This product contains a button cell battery. If the button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- The product shall connection of the equipment protective earthing conductor to the installation protective earthing conductor (for example, by means of a power cord connected to a socket-outlet with earthing connection).
- When the plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- This equipment is not suitable for use in locations where children are likely to be present.