

UV Calibration Wizard

The effective radiation of the UV lamps used for curing models during printing can change over time. With the built-in UV radiation meter and the this wizard, you can test the lamps and calibrate their effective UV radiation. Doing this regularly will ensure optimum curing of models.

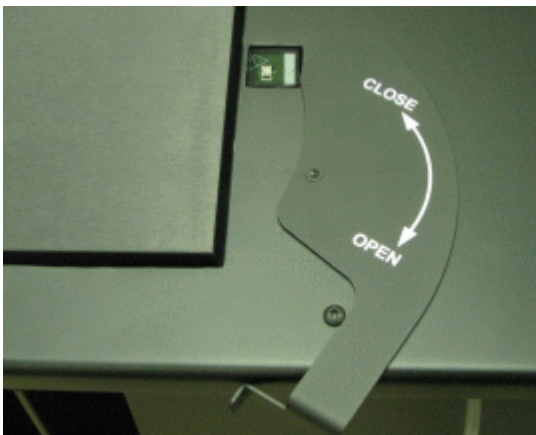
Preparing the Printer Before Beginning

Prepare for the UV calibration procedure as follows:

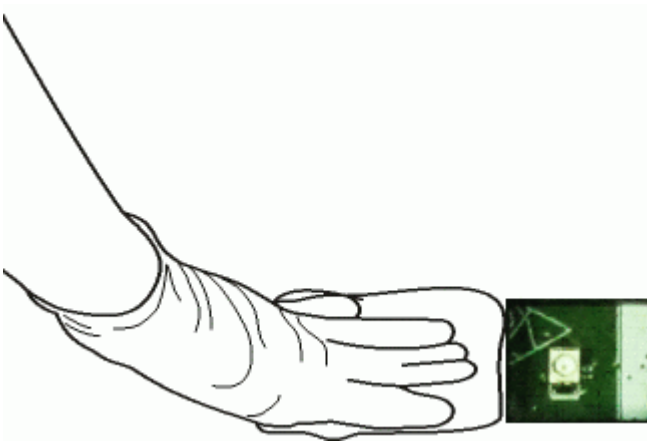
1. Check that the build tray is clear of all objects, and confirm this in the wizard screen.



2. Expose the UV sensor by sliding the protective cover, and confirm this in the wizard screen.



3. Check that the glass covering the UV sensor is clean, and confirm this in the wizard screen.



4. Close the printer cover, and confirm this in the wizard screen.



You can click Next only after confirming that you have done the steps listed above.

Calibration Results

This screen shows, at a glance, how suitable the UV lamps are for printing models, after adjusting their power.

The condition of each lamp for each of the printing modes is displayed:

✓ means that the radiation of the UV lamp is satisfactory (OK).

✗ means that the radiation of the UV lamp is **not** suitable for printing models.

In addition, a radiation value of each lamp is shown compared to the required value for that printing mode.

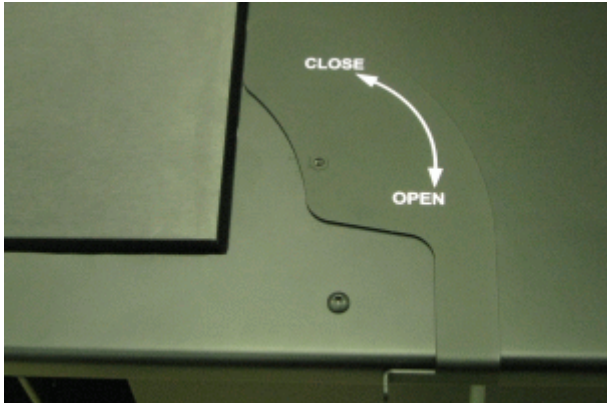
✓ (151 / 100) %

✗ (101 / 130) %
(too weak)

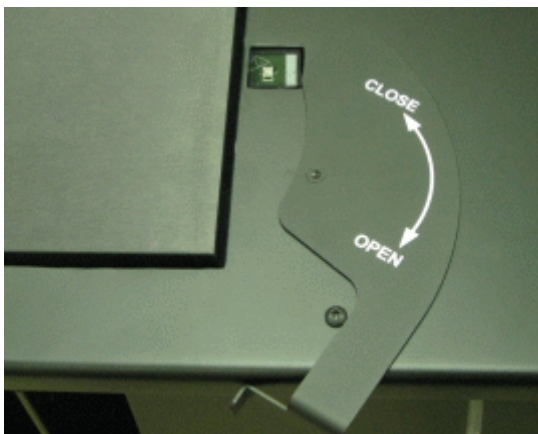
Troubleshooting UV Lamp Calibration

The wizard cannot calibrate the UV lamps under the following conditions:

- **The UV sensor is covered.**



Expose the sensor, by sliding the cover, and run the wizard again.

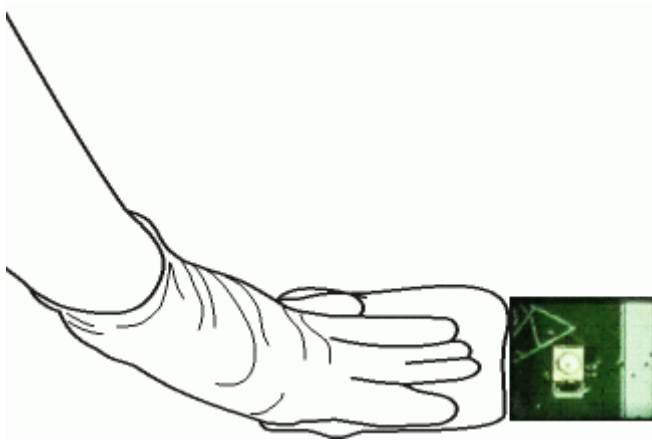


- **The protective glass on the UV lamp is not clean.**



After making sure that the UV lamp is cool, clean the glass, and run the wizard again.

- **The protective glass on the UV sensor is not clean.**
Clean the glass, and run the wizard again.



If the wizard cannot calibrate the lamps after checking all of the above, contact Objet Customer Support for assistance.

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Troubleshooting UV Sensor Calibration

The built-in UV sensor is checked by an Objet Customer Support engineer during regular maintenance visits.

The wizard cannot calibrate the built-in UV sensor under the following conditions:

- **The protective glass on the external UV sensor is not clean.**
- **The protective glass on the built-in UV sensor is not clean.**
- **The external UV sensor is not positioned correctly.**
- **The cable between the UV sensor and the printer is not connected properly.**

Check all of the above and run the wizard again.