UV Curing Oven

AMP LED UV-Cube
Tool Type: UV Curing Oven
Location: Elings 2436
Manufacturer: AMP
Principal Scientist
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About

The UV curing oven is located in Elings Hall 2436.

Some Carbon Resins used in the Form 2 3D printer can benefit from post process curing. Each resin has a specific hardening curve which can be found within the reference material which will indicate the ideal time and temperature to be set on the AMP UV curing oven.

Detailed Specifications

LED source: 365 nm
Power settings
32 mW/cm^2 upper tray
17 mW/cm^2 middle tray
12 mW/cm^2 bottom tray

Safety Concerns

* Allow at least half an hour for IPA to evaporate before placing part in Form Cure * Allow time for the Form Cure to cool off before removing parts * Do not operate form cure with lid open

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Operating Proceduces

1. Any part to be cured needs to be washed in the FormWash with IPA BEFORE being placed in the form cure.

2. Supports can be removed before or after curing process.
3. Wait 30 minutes after washing to allow all remaining IPA to evaporate
4. Check the reference material for selected resin to determine ideal time and temperature for curing
5. Use the dial on the front of the FormCure to set time and temperature
6. Place part within the FormCure→ press start.

Reference Documentation

amp_led_uv-cube_ii.pdf
