


FormCure UV Curing Station

FormCure UV Curing Station	
	
Tool Type: "UV Curing Station"	
Location: "Innovations Worship"	
Supervisor	Tool Lead
David Bothman	"WW Name"
(805) 893-4125	(###) ###-####
bothman@cnsi.ucsb.edu	"WW Email"
Description: "FormLabs Curing Station"	
Manufacturer: "FormLabs"	

About

Some FormLabs 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 FormCure.

Detailed Specifications

- Max cure temp: 80 degrees C
- Light: 39W total drawn by 13 405 nm LEDs

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

Operating Procedures

1. Any part to be cured needs to be washed in the FormWash with IPA BEFORE being placed in the form cure. Supports can be removed before or after curing process.
2. Wait 30 minutes after washing to allow all remaining IPA to evaporate
3. Check the reference material for selected resin to determine ideal time and temperature for curing
4. Use the dial on the front of the FormCure to set time and temperature

5. Place part within the FormCure→ press start.

Reference Documentation

https://support.formlabs.com/s/article/Using-Form-Cure?language=en_US

https://support.formlabs.com/s/article/Form-Cure-Time-and-Temperature-Settings?language=en_US

https://support.formlabs.com/s/article/Form-Cure-Time-and-Temperature-Settings?language=en_US

Training Documentation

Insert Text Here!

From:

<https://bpm-wiki.cnsi.ucsb.edu/> - **NSF BioPACIFIC MIP Wiki**

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=formcure_uv&rev=1602176355

Last update: **2020/10/08 16:59**

