Stratsys F270 FDM 3D Printer

Stratsys F270 FDM 3D Printer	
Tool Type: "F3D printer"	
Location: "Innovations Workshop"	
Supervisor	**Tool Lead**
David Bothman	"Andrew Furst"
(805) 893-4125	(801) 928-8869
bothman@cnsi.ucsb.edu	"andrewfurst@ucsb.edu"
Description: "FDM duel extrusion 3D printer"	
Manufacturer: "Stratasys"	

About

The F270 is a fast and precise filament fed fusion deposition printer. Typically set up with ABS and a propitiatory Ecoworks soluble filament. Requires heated sodium hydroxide bath to remove support material.

Detailed Specifications

Build area: 308 x 254 x 308 mm
Duel extrusion 3D printer (build and support material)
capable of printing PLA, ABS, ASA, QSR
.254 mm min layer thickness
tolerance of +/- .200 mm

4 spool bay

Safety Concerns

Insert Text Here!

Operating Procedures

Insert Text Here!

Reference Documentation

bp_fdm_supportremoval.pdf

f123_series_operation_and_maintenance_rev_a.pdf

sds_ecoworks_msds.pdf

stratasys_f123_series_user_manual_.pdf

GrabCAD Tips, Guides, and FAQs https://help.grabcad.com/category/193-tips-guides-and-faqs

Changing F270 fillament https://www.youtube.com/watch?v=LFdPajgFTDk

Printing using the F270 https://www.youtube.com/watch?v=t8KyZYLnGlk

Training Documentation

Insert Text Here!

Maintenance Schedule (see user maintenance page 80):

- Clean oven chamber weekly
- Clean platen weekly
- Inspect, wipe, and clean tip wipe assemblies monthly
- Clean exterior of printer as needed
- Clean touchscreen as needed

From:

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

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=stratasys_f270&rev=1594326667

Last update: **2020/07/09 20:31**