Stratsys F270 FDM 3D Printer

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Tool Type: 3D printer
Location: Innovation 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 soluble filament that is dissolved in a heated caustic bath.

Safety Concerns

- The print heads can be very hot - do not touch them with bare hands unless positive they are cool.
- As with any automated machinery make sure that your body is clear of the moving parts to avoid injury.
- The support removal tank for the F270 is filled with heated caustic chemicals that dissolve the support material. An apron, Gloves, and a face shield must be warn when inserting and removing parts or basket from tank.

Training Documentation

FDM Training SOP

Post-Processing

SCA 1200 HT NaOH parts bath

Detailed Specifications

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

Reference Documentation

Notes on Post Processing

Failed 3D print Procedure

FDM Support Removal

Operation and Maintenance rev. A

Ecoworks filament MSDS

User Manual

GrabCAD Tips, Guides, and FAQs

Changing F270 fillament

Printing using the F270