

Stratsys F270 FDM 3D Printer

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Tool Type: 3D printer

Location: Innovation Workshop

Supervisor	Tool Lead
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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 worn 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 filament](#)

[Printing using the F270](#)

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