

Stratsys F270 FDM 3D Printer



Stratsys F270 FDM 3D Printer	
Tool Type: "F3D printer"	
Location: "Innovations Workshop"	
Supervisor	Tool Lead
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Description: "FDM dual 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
 Dual 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

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Operating Procedures

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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 filament <https://www.youtube.com/watch?v=LFdPajgFTDk>

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

Training Documentation

[notes_on_post_processing_f270_parts.pdf](#)

[failed_3d_print_procedure.pdf](#)

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

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