

# Stratsys F270 FDM 3D Printer



<b>Stratsys F270 FDM 3D Printer</b>	
<b>Tool Type:</b> "F3D printer"	
<b>Location:</b> "Innovations Workshop"	
<b>Supervisor</b>	<b>Tool Lead</b>
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<b>Description:</b> "FDM dual extrusion 3D printer"	
<b>Manufacturer:</b> "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

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## 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=t8KyZYLnGIk>

## Training Documentation

[notes\\_on\\_post\\_processing\\_f270\\_parts.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

[notes\\_on\\_post\\_processing\\_f270\\_parts.pdf](#)

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