

# Stratsys F270 FDM 3D Printer

| F270                                                                              |  |
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| <b>Tool Type:</b> 3D printer                                                      |  |
| <b>Location:</b> Microfluidics Lab                                                |  |
| <b>Description:</b> Enclosed dual extrusion FDM 3D printer                        |  |
| <b>Manufacturer:</b> Stratasys                                                    |  |

## About

The F270 is a fast and precise filament fed fusion deposition printer. It is 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](#)

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## Post-Processing

[SCA 1200 HT NaOH parts bath](#)

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## 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

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## 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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