

# 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 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.

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## Training Documentation

[FDM Printer 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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