

# Stratsys F270 FDM 3D Printer

**Stratsys F270 FDM 3D Printer**



**Tool Type:** 3D printer

**Location:** Innovation Workshop

**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 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](#)

---

From:

<https://microfluidics.cnsi.ucsb.edu/wiki/> - **Innovation Workshop Wiki**

Permanent link:

[https://microfluidics.cnsi.ucsb.edu/wiki/doku.php?id=stratasys\\_f270&rev=1672887378](https://microfluidics.cnsi.ucsb.edu/wiki/doku.php?id=stratasys_f270&rev=1672887378)

Last update: **2023/01/05 02:56**

