

Ultimaker3 Extended Dual FDM 3D Printer



Ultimaker3 Extended Dual FDM 3D Printer	
Tool Type: "FDM 3D printer"	
Location: "CNSI Innovations Workshop"	
Supervisor	Tool Lead
David Bothman	Andrew Furst
(805) 893-4125	(801) 928-8869
bothman@cnsi.ucsb.edu	Andrewfurst@ucsb.edu
Description: "FDM 3D Printer"	
Manufacturer: "Ultimaker"	

About

The Ultimaker 3 extended is a filament fed fusion deposition 3D printer capable of simultaneously printing two different plastics at once. Typically the printer is set up with ABS as a build material, and PVA as a solvable support material.

Training

[FDM Printer SOP](#)

Detailed Specifications

- Build Volume: 215 x 215 x 300 mm
 - Filament diameter: 2.85 mm
 - layer resolution: 60 to 600 microns depending on print head (see Specifications documentation page 11)
 - XYZ accuracy: 12.5, 12.5, 2.5 microns
 - Build plate temperature: 20-100 °C
 - Nozzle temperature: 80 - 100 °C
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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 the tank.
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Reference Documentation

PVA Temps

Extruder: 220 C Bed: Whatever structural filament recommends

ABS Temps

Extruder: 230 C Bed: 100 C

[quick_start_guide_ultimaker_3_v3.2.pdf](#)
[ultimaker_3_extended_specifications.pdf](#)
[um180129_ultimaker_3_manual_rb_v12_english.pdf](#)
<https://support.ultimaker.com/hc/en-us/articles/360012007119>
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