

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](#)

[Ultimaker 3 Quick Review](#)

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

Safety Concerns

Insert Text Here!

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>

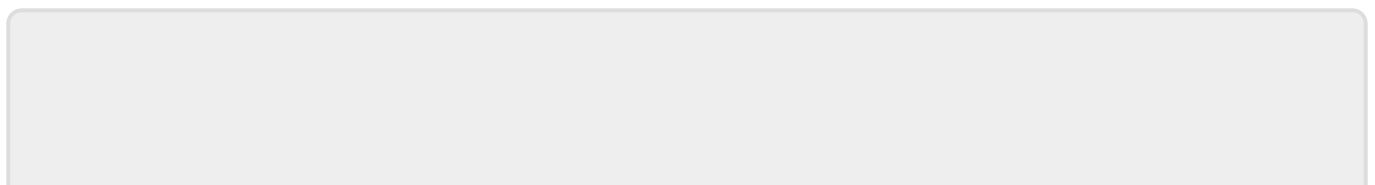
[pva_drying_recipe.pdf](#)

[ultimaker_filaments_-_sheet1.pdf](#)

Training Documentation

[FDM Printer SOP](#)

[failed_3d_print_procedure.pdf](#)



From:

<https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/> - **NSF BioPACIFIC MIP Wiki**

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/doku.php?id=ultimaker3_extended&rev=1597772315



Last update: **2020/08/18 17:38**