

# Ultimaker3 Extended Dual FDM 3D Printer



<b>Ultimaker3 Extended Dual FDM 3D Printer</b>	
<b>Tool Type:</b> "FDM 3D printer"	
<b>Location:</b> "CNSI Innovations Workshop"	
<b>Supervisor</b>	<b>Tool Lead</b>
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<b>Description:</b> "FDM 3D Printer"	
<b>Manufacturer:</b> "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

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## Safety Concerns

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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>

[pva\\_drying\\_recipe.pdf](#)

[ultimaker\\_filaments\\_-\\_sheet1.pdf](#)

## Training Documentation

[FDM Printer SOP](#)

[failed\\_3d\\_print\\_procedure.pdf](#)

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