Ultimaker3 Extended Dual FDM 3D Printer

Ultimaker3 Extended Dual FDM 3D Printer	
Tool Type: “FDM 3D printer”	
Location: “CNSI Innovations Workshop”	
Supervisor	**Tool Lead**
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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

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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
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