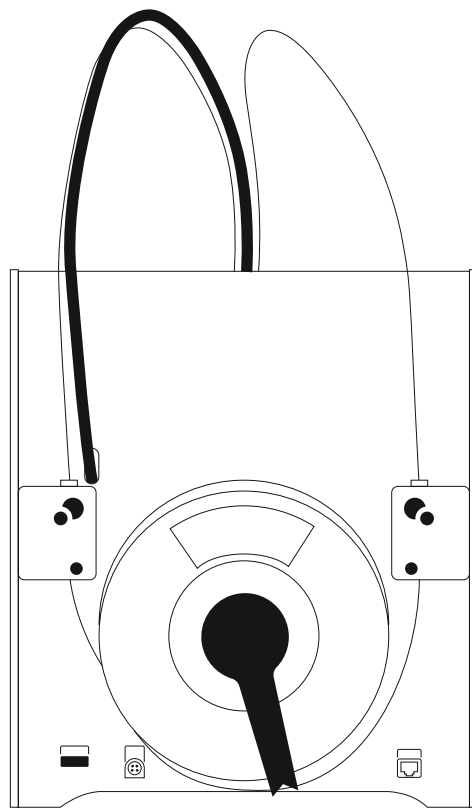
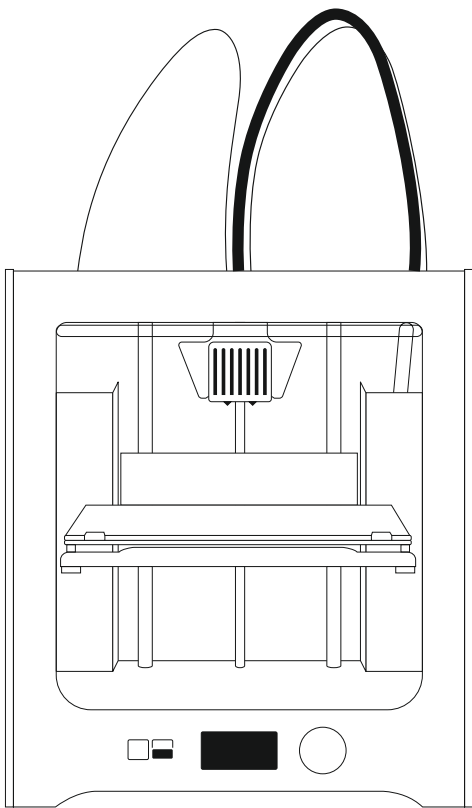


Ultimaker 3

Specification sheet



Specifications

Printer and Printing Properties

Technology	Fused Filament Fabrication
Print head	Dual nozzle, with lifting mechanism on 2nd nozzle. Easily swappable printcores.
Build volume	Left nozzle: 215x215x200mm Right nozzle: 215x215x200mm Dual material: 197x215x200mm
Filament diameter	2.85 mm
Layer resolution	0.4mm nozzle: 20 - 200 micron
Step accuracy X, Y, Z	12.5, 12.5, 2.5 micron
Print head travel speed	30 - 300 mm/s
Material flow speed	0.40: up to 16mm ³ /s
Build plate	Heated glass bed
Material types	PLA, PVA, ABS, CPE, Nylon
Nozzle diameter	0.4mm
Nozzle temperature	180 - 280 °C
Build plate temperature	20 - 100 °C
Nozzle heat up time	< 2 min
Build plate heat up time	< 4 min (20 - > 60 °C)
Average operation noise	50 dBA
Nozzle replacement	Easily swappable printcores
Filament storage	Open, reel holder incl guide for 2 spools of 750g NFC system to automatically detect material type
Connectivity	Wifi, ethernet, stand alone via USB-drive
Bed levelling	Active leveling
Camera	Yes

Physical dimensions

Printer outer dimensions (incl bowden tube and spoolholder)	34,2 x 50,5 x 58,8 cm
Printer outer dimensions (excl bowden tube and spoolholder)	34,2 x 38,0 x 38,9 cm
Nett weight	10,6 kg
Shipping weight	15,5 kg
Shipping box dimensions	39,0 x 38,0 x 56,5 cm

Power requirements

Input	100 - 240V 4A, 50-60Hz 221 W max.
Output	24 V DC, 9.2 A

Ambient conditions

Ambient operating conditions	15 - 32 °C, 10 - 90% RH non condensing Refer to material specs for optimal operating conditions
Storage conditions printer	0 - 32 °C

Software

Supplied software	Cura 2 - Official Ultimaker Software
Supported OS	Windows, Mac, Linux
File types	STL, OBJ, 3MF
File transfer	Print direct from Cura via Network, Stand alone USB drive printing