



Technology Education Concepts

Ultimaker 3



Accuracy, complexity, consistency – 3D printing is about to evolve.

Now create complex geometries and achieve remarkable design intricacy with the most reliable dual extrusion 3D printer on the market!

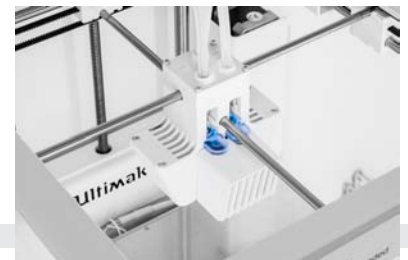
Dual Extrusion



Swappable Print Cores



LED Status Indicators



Heated Build Plate with Active Leveling



Live Camera



Plus:

- Material recognition with NFC Scanner
- EEPROM Print Core Chip
- New Optimized Cooling
- USB Port and Wi-Fi/LAN
- Optimized Cura Material Profiles!



Specifications

Printer and printing properties

Technology
Print head

Build volume

Filament diameter
Layer resolution
XYZ accuracy
Print head travel speed
Build speed
Build plate
Build plate temperature
Build plate leveling
Supported materials
Nozzle diameter
Nozzle temperature
Nozzle heat up time
Build plate heat up time
Operating sound
Material recognition
Connectivity
Monitoring

Physical dimensions

Dimensions
Dimensions (with bowden tube and spool holder)
Nett weight
Shipping weight
Shipping box dimensions

Power requirements

Input

Output

Ambient conditions

Operating ambient temperature

Nonoperating temperature

Software

Supplied software
Supported OS
File types



Fused Deposition Modeling (FDM)
Dual extrusion print head with a unique auto-nozzle lifting system and swappable print cores
Left nozzle: 215 x 215 x 200 mm
Right nozzle: 215 x 215 x 200 mm
Dual material: 197 x 215 x 200 mm
2.85 mm
0.4 mm nozzle: 20 - 200 micron
12.5, 12.5, 2.5 micron
30 - 300 mm/s
0.40 nozzle: up to 16 mm³/s
Heated glass build plate
20 - 100 °C
Active leveling
Nylon, PLA, ABS, CPE, PVA
0.4 mm
180 - 280 °C
< 2 min
< 4 min (20 - > 60 °C)
50 dBA
Material recognition with NFC scanner
Wi-Fi, LAN, USB port
Live camera

342 x 380 x 389 mm
342 x 505 x 588 mm
10,6 kg
15,5 kg
390 x 400 x 565 mm

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

15 - 32 °C, 10 - 90% RH non condensing
See material specifications for optimal conditions
0 - 32 °C

Cura, our free print preparation software
macOS, Windows and Linux
STL, OBJ and 3MF