

# 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

### 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 mm<sup>3</sup>/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

## Physical dimensions

### Dimensions

Dimensions (with bowden tube and spool holder)

### Nett weight

### Shipping weight

### Shipping box dimensions

342 x 380 x 389 mm

342 x 505 x 588 mm

10,6 kg

15,5 kg

390 x 400 x 565 mm

## Power requirements

### Input

100 - 240V

4A, 50-60Hz

221 W max.

### Output

24 V DC, 9.2 A

## Ambient conditions

### Operating ambient temperature

15 - 32 °C, 10 - 90% RH non condensing

See material specifications for optimal conditions

### Nonoperating temperature

0 - 32 °C

## Software

### Supplied software

### Supported OS

### File types

Cura, our free print preparation software

macOS, Windows and Linux

STL, OBJ and 3MF