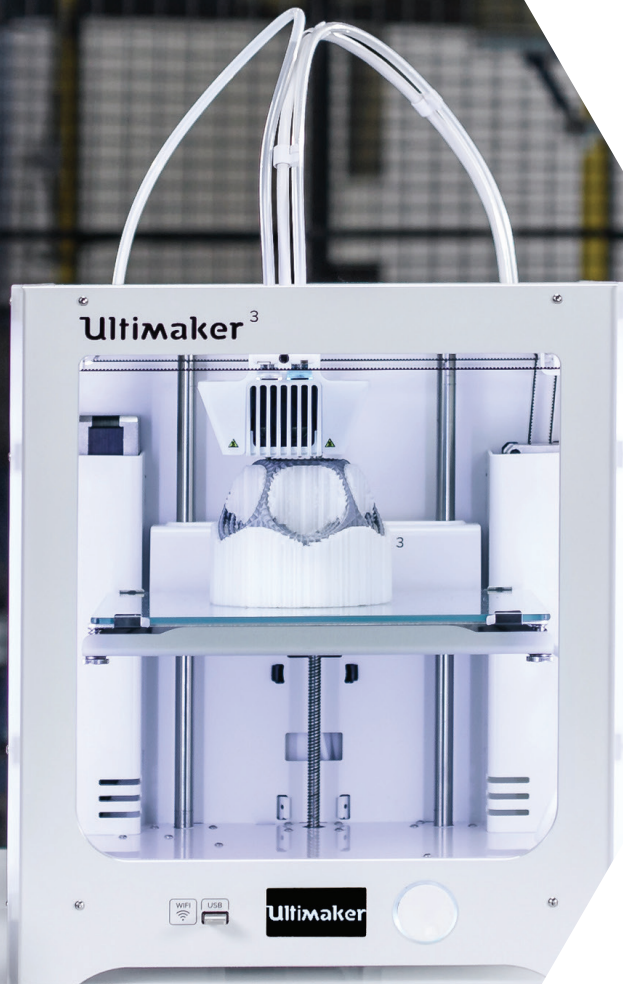


Ultimaker 3

# Professional 3D printing made accessible



Ultimaker

# The Ultimaker 3

## Complete design freedom

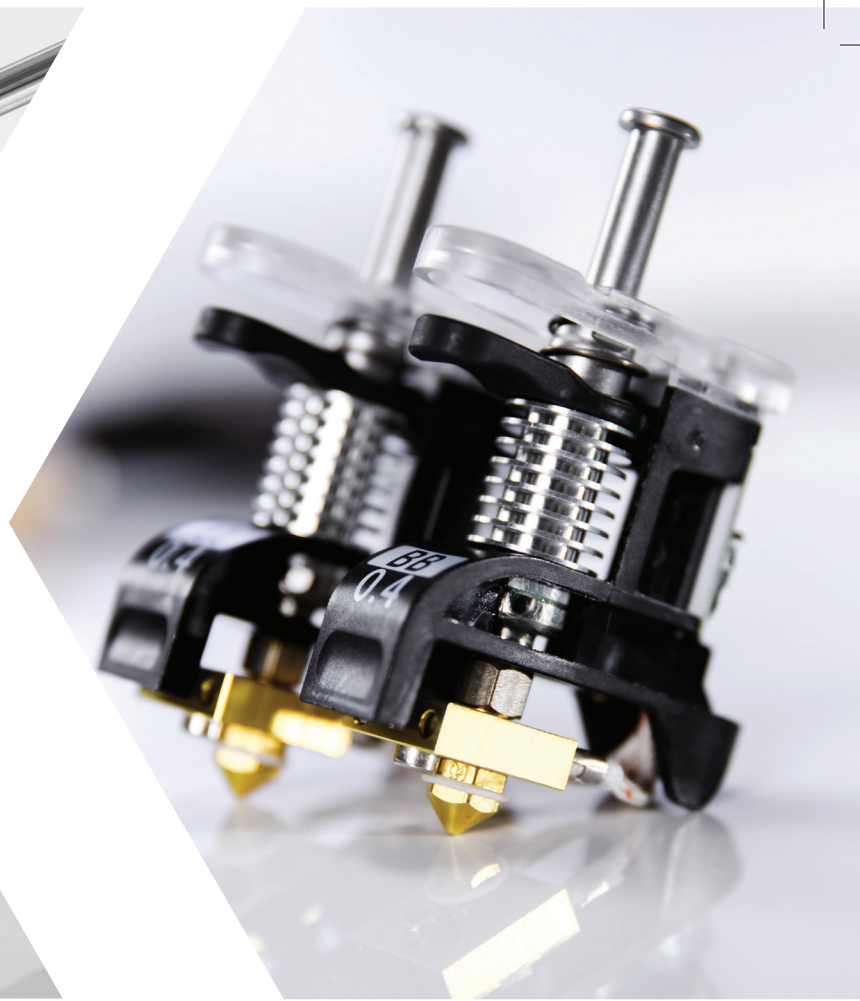
Reliable dual extrusion with water solvable support empowers complete freedom in design through the ability to print real complex geometries.





### Higher uptime, low maintenance and faster changeovers

The material-matching swappable print cores are designed for reliability, repeatability and low maintenance. The print cores are easily swappable for a maximum uptime.



### Easy setup for the best results

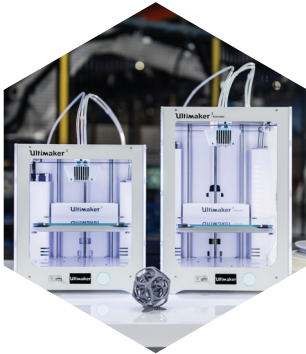
The extensively tested, optimized and preconfigured Cura profiles together with 3D printing automated systems like advanced material recognition result in an easy and efficient workflow for the most reliable, industrial-grade results.

### Enhanced 3D printing experience

The integration of hardware, software and materials form a cohesive ecosystem and make professional 3D printing even more accessible.

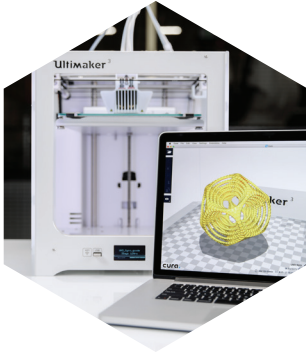


# Professional 3D printing made accessible



## Ultimaker 3D Printers

The new Ultimaker 3 is engineered for high uptime, fast changeovers and reliable, consistent results. Print complex functional prototypes, manufacturing tools and high-detail mechanical parts with industrial-grade build and water soluble support material combinations. With swappable print cores, you can switch materials in a matter of moments. The custom inner nozzle geometry per material type helps you achieve higher quality output and lower maintenance; and the unique automated nozzle lifting and active leveling systems ensure a smooth, professional finish with every print.



## Cura Software

Our free, open-source slicing software helps you produce consistent, quality results with every print. Extensively tested preconfigured Cura profiles make for a more efficient, seamless 3D printing experience by automatically adjusting the necessary settings for each material and print core. Thanks to our open, flexible system, you can customize any values you need and enjoy a unique 3D printing experience that's tailored to your needs.



## Ultimaker Materials

Print with a wide range of materials, including Nylon, PLA, ABS, CPE and PVA – with an engineering material portfolio due to be expanded in the future with CPE+, PC and TPU 95A. Combine two build materials for dual-color 3D prints, or achieve state-of-the-art complexity with build and water-soluble support material combinations (Nylon/PVA and PLA/PVA). With our integrated ecosystem of reliable hardware, extensively tested materials and cutting-edge software, you are guaranteed astounding results and an optimized 3D printing experience. The open filament system lets you test all kinds of existing or custom-formulated materials to suit your specific requirements.



## Dedicated Ultimaker Support

We believe in quality and exceptional experience. Ultimaker's market-leading 3D printers and software come with lifetime technical support and customer service, whenever you need it. Our dedicated service partners offer both in-depth industry knowledge and broad technical expertise, and provide qualified, timely technical support in your own language and time zone. With a global network of professionally trained, officially certified service partners, we deliver the best customer support possible.

# Ultimaker 3 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 (*8.5 x 8.5 x 7.9 inches*)

Right nozzle: 215 x 215 x 200 mm (*8.5 x 8.5 x 7.9 inches*)

Dual material: 197 x 215 x 200 mm (*7.8 x 8.5 x 7.9 inches*)  
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)

### Net weight

### Shipping weight

### Shipping box dimensions

342 x 380 x 389 mm (*13.5 x 15.0 x 15.3 inches*)

342 x 505 x 588 mm (*13.5 x 19.9 x 23.1 inches*)

10.6 kg (*374 ounces*)

15.5 kg (*547 ounces*)

390 x 400 x 565 mm (*15.5 x 15.7 x 22.2 inches*)

## Power requirements

### Input

### Output

100 - 240V

4A, 50-60Hz

221 W max.

24 V DC, 9.2 A

## Ambient conditions

### Operating ambient temperature

### Nonoperating temperature

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

See material specifications for optimal conditions

0 - 32 °C

## Software

### Supplied software

### Supported OS

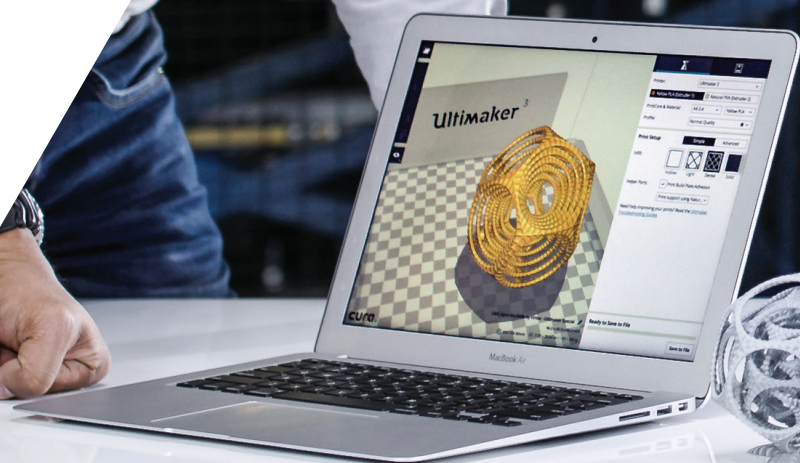
### File types

Cura, our free print preparation software

macOS, Windows and Linux

STL, OBJ and 3MF

**Ultimaker**  
It's in the making



[www.ultimaker.com](http://www.ultimaker.com)