Ultimaker 3

Professional 3D Printing made accessible

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.

East 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 from a cohesive ecosystem and make prefessional 3D Printing even more accessible.

Ultimaker 3 Printer

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 movements. The custom inner nozzle geometry per material in a matter of movements. 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 setting 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 vuild materials for dual-color 3D prints, or achieve state-of-the-art complexity with buikd 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	Fused Deposition Modeling (FDM)
Print head	Dual extrusion print head with a unique auto-nozzle lifting system and swappable print cores
Build volume	Left nozzle: 215 x 215 x 200 mm
	Right nozzle: 215 x 215 x 200 mm
	Dual material: 197 x 215 x 200 mm
Filament diameter	2.85 mm
Layer resolution	0.4 mm nozzle: 20 - 200 micron
XYZ accuracy	12.5, 12.5, 2.5 micron
Print head travel speed	30 - 300 mm/s
Build speed	0.40 nozzle: up to 16 mm³/s
Build plate	Heated glass build plate
Build plate temperature	20 - 100 ºC
Build plate leveling	Active leveling
Supported materials	Nylon, PLA, ABS, CPE, PVA
Nozzle diameter	0.4 mm
Nozzle temperature	180 - 280 ºC
Nozzle heat up time	< 2 min
Build plate heat up time	< 4 min (20 - > 60 ºC)
Operating sound	50 dBA
Material recognition	Material recognition with NFC scanner
Connectivity	Wi-Fi, LAN, USB port
Monitoringt	Live camera

Physical dimensions

Dimensions	342 x 380 x 389 mm
Dimensions (with bowden tube)	342 x 505 x 588 mm
Nett weight	10,6 kg
Shipping weight	15,5 kg
Shipping box dimensions	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 ºC, 10 - 90% RH non condensing
	See material specifications for optimal conditions
Nonoperating temperature	0 - 32 ºC

Software

Supplied software	Cura, our free print preparation software
Supported OS	macOS, Windows and Linux
File types	STL, OBJ and 3MF

think3D

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