

# PRUSA CORE ONE+

## Precise. Fast. Reliable.

### WHAT'S NEW IN ONE+

The updated version of our proven workhorse:

- › Automatic top vent operation
- › Redesigned filament insertion point for easier feeding of flexible filaments
- › New spoolholder
- › All updates from the entire lifespan of the CORE One; even better print quality

CORE One and CORE One+ are compatible with our new 400 °C hotend.

One+ Upgrade available for current owners as a kit or print-it-yourself digital files.

### PLUG AND PRINT

Get set up in 10 minutes! Simply unpack the printer, plug it in, run the one-time automated calibration and start printing!

### THE EASIEST 3D PRINTER

With the most precise sensors and many smart and safety features, the CORE One+ does everything on its own.



READY FOR  
INDX UPGRADE



**PRUSA**  
RESEARCH  
by JOSEF PRUSA

[PRUSA3D.COM](http://PRUSA3D.COM)

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24/7 LIVECHAT



MADE IN EU

### COMPACT PRINTER, LARGE VOLUME

Despite the printer's compact footprint, the actual print volume is 250×220×270 mm, enabling you to print even advanced and more space-demanding projects.

### ACTIVE CHAMBER TEMPERATURE CONTROL

Print advanced materials without warping thanks to the heated chamber (up to 55 °C). The active chamber temperature management also enables flawless printing of PLA – even with the front door fully closed.

### SPEED MEETS QUALITY

Your models will turn out exactly the way they were designed, with perfect dimensional accuracy and beautiful surface finish.

### ROBUST STEEL EXOSKELETON

This is the 3D printer that will keep going forever. Premium materials and intelligent design are forged into a robust steel exoskeleton.

# FULLY ENCLOSED CORE XY 3D PRINTER WITH ACTIVE CHAMBER TEMPERATURE MANAGEMENT

## SERIOUSLY FAST WITH ANY MATERIAL

With the powerful 360° cooling, high-flow nozzle, and tweaked print profiles, the CORE One+ sets the benchmark for speed and quality in its class. Don't limit yourself to a narrow selection of special high-speed filaments. The CORE One+ delivers high speed and a beautifully consistent surface finish with any material you already have.

## FROM PLA TO ASA TO PA11 NYLON

The compact printing chamber with active temperature management rapidly achieves and maintains optimal printing conditions for all filament types. This precise control ensures the production of consistently beautiful, exceptionally solid, and highly durable prints, minimizing common printing issues and maximizing print quality.

## SEAMLESS WORKFLOW

With the new iOS/Android Prusa app, you can manage your printer, browse a vast 3D model database, and even prepare print files literally anywhere with EasyPrint, our new cloud-based slicer. You can also manage an entire print farm with the comprehensive Prusa Connect service on your desktop!

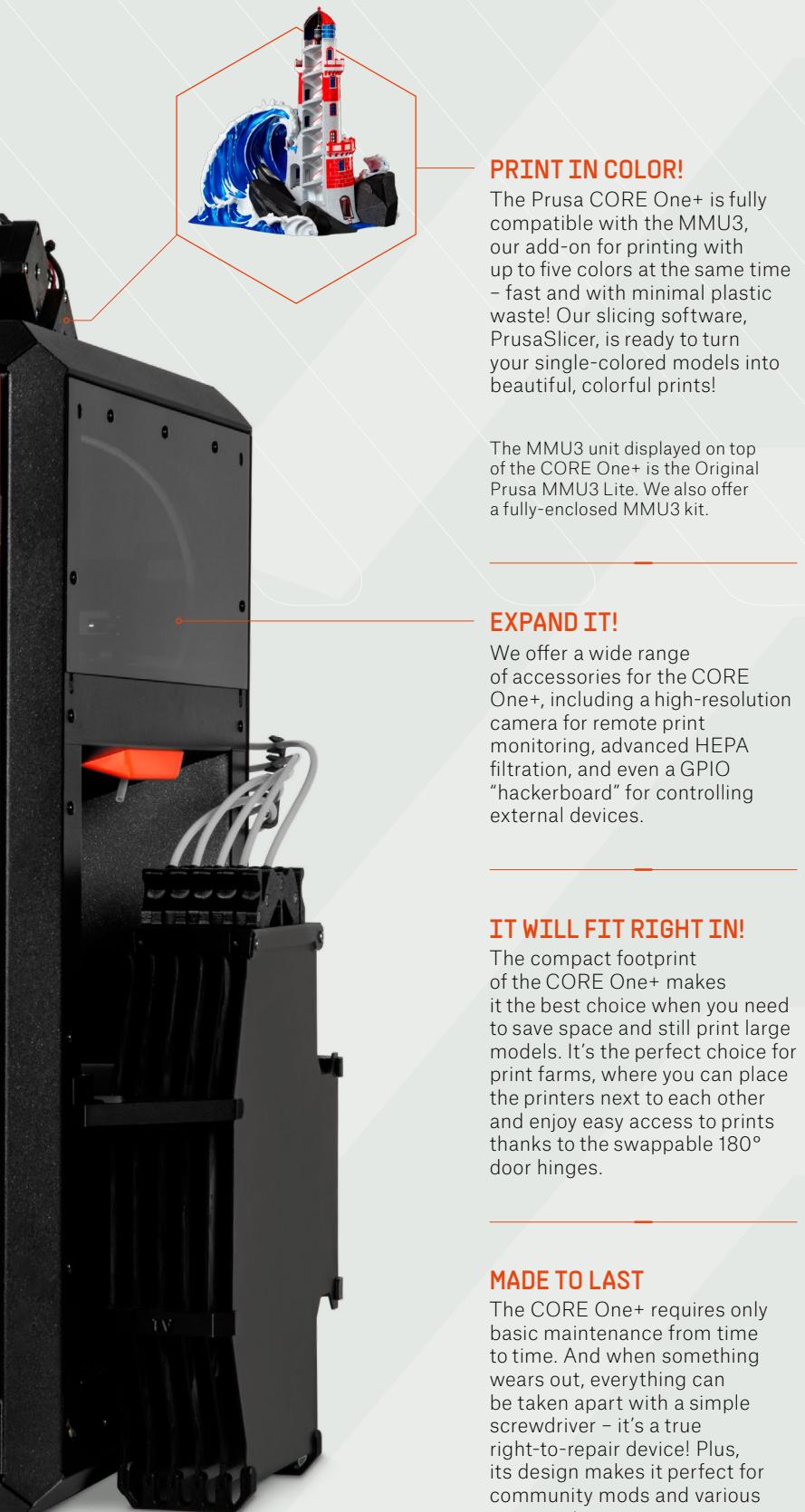


App Store



Google Play





### PRINT IN COLOR!

The Prusa CORE One+ is fully compatible with the MMU3, our add-on for printing with up to five colors at the same time – fast and with minimal plastic waste! Our slicing software, PrusaSlicer, is ready to turn your single-colored models into beautiful, colorful prints!

The MMU3 unit displayed on top of the CORE One+ is the Original Prusa MMU3 Lite. We also offer a fully-enclosed MMU3 kit.

### EXPAND IT!

We offer a wide range of accessories for the CORE One+, including a high-resolution camera for remote print monitoring, advanced HEPA filtration, and even a GPIO “hackerboard” for controlling external devices.

### IT WILL FIT RIGHT IN!

The compact footprint of the CORE One+ makes it the best choice when you need to save space and still print large models. It's the perfect choice for print farms, where you can place the printers next to each other and enjoy easy access to prints thanks to the swappable 180° door hinges.

### MADE TO LAST

The CORE One+ requires only basic maintenance from time to time. And when something wears out, everything can be taken apart with a simple screwdriver – it's a true right-to-repair device! Plus, its design makes it perfect for community mods and various accessories.

### HT HOTEND UPGRADE

#### PRINT UP TO 400 °C

The HT Hotend is our new upgrade for the CORE One+. The 40W heater block, combined with the E3D ObXidian nozzle, unlocks materials previously printable only with industrial machines – print PEKK-CF, PPS-CF, PPSU, and many others easily. Additionally, achieve up to 30% better performance with PA11CF and PCCF, and other advanced filaments.



More info at [prusa.io/ht-hotend](https://prusa.io/ht-hotend).

### MANUFACTURED IN EU & USA

Designed and built in Prague, Czech Republic, the CORE One+ uses as many locally sourced parts as possible. And in the USA, our dedicated team at Printed Solid manufactures both our printers and Prusament filaments with the same love and attention to detail, and they also operate a dedicated repair center!

### LONG TERM SUPPORT AND UPDATES

We publish new upgrades for our printers for years after release, bringing new, often major features that transform the way you print. When a new model arrives, it's not the end of the line for the old one – we offer comprehensive upgrade packages so you can transform your old printer into a brand new one! Yes, you can even convert the MK4S to CORE One+!

### 100% SECURE AND OPEN-SOURCE

The Original Prusa 3D printers were born from open-source roots, and we are still faithful to this heritage. Plus, you don't have to connect the CORE One+ to the network – not even once, and you can still enjoy the full experience without any drawbacks. The printer can be configured and operated offline, including slicing and installation of firmware updates. The Wi-Fi module can be easily unplugged for environments with the highest level of security. We have published a comprehensive overview of all our open-source efforts at [prusa.io/open-source](https://prusa.io/open-source).

### INDUSTRY-LEADING 24/7 SUPPORT

#### IN 7 LANGUAGES

Our tech support is often praised for its speed and quality. We offer 24/7 support in seven languages. You can also check the extensive Knowledge Base full of useful information, watch tutorial videos and read blog articles covering all aspects of 3D printing.

## THE NEWEST EVOLUTION OF OUR AWARD-WINNING 3D PRINTERS

Prusa 3D printers have a long and proven track record. Our machines are built using only the best components, and for years, they have been loved by makers and valued by professionals worldwide. However, the most demanding customers are perhaps us – we run a massive print farm with 600+ of our machines, collecting millions of testing hours each year.

## THE EASIEST FIRST STEP INTO 3D PRINTING

With Prusa Academy courses, handbooks, manuals, tutorials, and an easy-to-navigate app, our printers are the best choice for both newcomers and advanced users alike. Buying a 3D printer is just the beginning: Check out [Printables.com](#), Facebook groups and our YouTube videos to learn more!

## AWARD-WINNING 3D PRINTERS

We have shipped over 500,000 3D printers to the entire world and won four consecutive “3D Printer of the Year” awards (and countless others). With over half a million of our printers in the wild, fewer than 50 printers a month need to be sent back for hands-on maintenance. Prusa CORE One is here to carry on this legacy.



reddot winner 2025



## PRUSA RESEARCH

Prusa Research is a 3D printing developer and manufacturer based in Prague, Czech Republic. The company was established by Josef Prusa in 2012. This small start-up grew quickly, and there are over 1,000 people working for Prusa Research right now. The Prusa i3 design quickly became the number one in the world (according to 3D Hubs). Every month, Prusa Research ships over 10,000 3D printers to over 160 countries worldwide.

## PRUSA CORE ONE+ TECHNICAL PARAMETERS

Printer size	<b>415×444×555 mm</b>
Build volume	<b>250×220×270 mm</b>
Layer height	<b>0.05-0.30 mm</b>
Print surface	<b>Magnetic heatbed with removable steel sheets</b>
Supported materials	<b>PLA, PETG, ABS, ASA, PC, FLEX (TPU, TPE), PA (Nylon), PP, CPE, PVB, and more</b>
Nozzle	<b>0.4 mm high-flow nozzle</b>
Max. hotend temperature	<b>290 °C or up to 400 °C with the optional HT Hotend Upgrade</b>
Max. chamber temperature	<b>55 °C</b>
Safety features	<b>Filament sensors, Power panic, 5 high-precision thermistors, fan speed monitoring, door sensor</b>
Advanced features	<b>Precise stepper motors, Nextruder with a custom breakout board, touchscreen, aluminum heatsink, all-metal hotend, advanced 360° cooling system, powered USB-C for accessories, LED lighting</b>
Calibration	<b>Fully automatic first-layer calibration, always-perfect first layer without any user input, fastest Mesh Bed Leveling</b>
Connectivity	<b>USB drive, LAN, detachable Wi-Fi (setup with an NFC tap)</b>
Printing management system	<b>Remote print management via Prusa Connect and Prusa App for iOS and Android. Fully unrestricted offline mode with printing from a USB drive</b>
Additional accessories	<b>Multi Material Upgrade 3, Chamber Camera, GPIO Board, Advanced Filtration System, Accelerometer, Bondtech INDX (up to 8 tools)</b>

## MK4S CONVERSION KIT

It might sound impossible, but we have actually done it – the Conversion Kit is here! With it, you can transform your Original Prusa MK4S into the CORE One+ without any compromise.

