

## ORIGINAL PRUSA MK4S TECHNICAL PARAMETERS

Build volume	250×210×220 mm / 9.84×8.3×8.6 in
Layer height	0.05–0.30 mm
Print surface	Magnetic heatbed with removable steel sheets
The supported materials	PLA, PET/G, ABS, HIPS, PP, Nylon, Flex, ASA, NGEN, PC-ABS, composite materials, etc.
Special features	Precise 0.9° X/Y stepper motors (VFA prevention), Nextruder with a custom breakout board, 3.5" graphic 65k color touchscreen, Aluminum heatsink, all-metal hotend, no PTFE tubes, High-flow nozzle, Advanced 360° Cooling System
Sensors	Filament sensor, Loadcell sensor, Power panic, 4 high-precision thermistors (genuine Semitec) + fan speed monitoring
Calibration	Fully automatic first-layer calibration, always perfect smooth first layer without any user input, Mesh Bed Leveling only in the area of the actual print
Connectivity	USB drive, LAN, optional ESP Wi-Fi (setup with an NFC tap)
Printing management system	Native mobile app, and Prusa Connect
Optional accessories	GPIO board, accelerometer

### WHY OUR PRINTER?

Original Prusa 3D printers have a long and proven track record. Our machines are built using only the best components and still remain open-source, which is why the community around our printers is so massive, and the feedback is overwhelmingly positive. After all, we keep over 600 of our 3D printers running in our print farm to produce parts for new 3D printers where the MK4 collected over 4 million testing hours so far! There's so much to do with your 3D printer – buying it is just the beginning. Check out Facebook groups and our YouTube videos to learn more!

### THE ORIGINAL PRUSA MK4S IS THE LATEST ITERATION OF THE AWARD-WINNING 3D PRINTER

The MK line is our greatest success, with over 500,000 open-source 3D printers sold worldwide and four consecutive "3D Printer of the Year" awards (and countless others). The open construction gives you perfect access to all printer parts. Maintenance, modding, and repairs are quick and easy, and you can upgrade your printer all the way to the latest version. Our iconic design is extremely reliable. With over half a million of our printers in the wild, only 20 printers a month need to be sent back for hands-on maintenance.



### 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 no. 1 in the world (according to 3D Hubs) and every month, Prusa Research ships over 10,000 3D printers to over 160 countries worldwide.

**DOWNLOAD  
E-BOOK:  
BASICS OF  
3D PRINTING  
with Josef Prusa**



# ORIGINAL PRUSA MK4S

360° COOLING, EXCEPTIONAL PRINT QUALITY AND TOP RELIABILITY

### PLUG AND PRINT

Get set up in 15 minutes  
– Simply take the printer out of the box, plug it in, run the automated Selftest, load a filament of your choice and start printing!

### BEST PRINT QUALITY

The MK4S delivers objects with beautifully smooth surfaces and the best dimensional accuracy on the market – print every model exactly as it was designed!

### UNMATCHED OVERHANG QUALITY

75° overhangs without any supports – The new, vastly improved 360° cooling system will save your filament and deliver beautiful print quality.

### EVEN FASTER

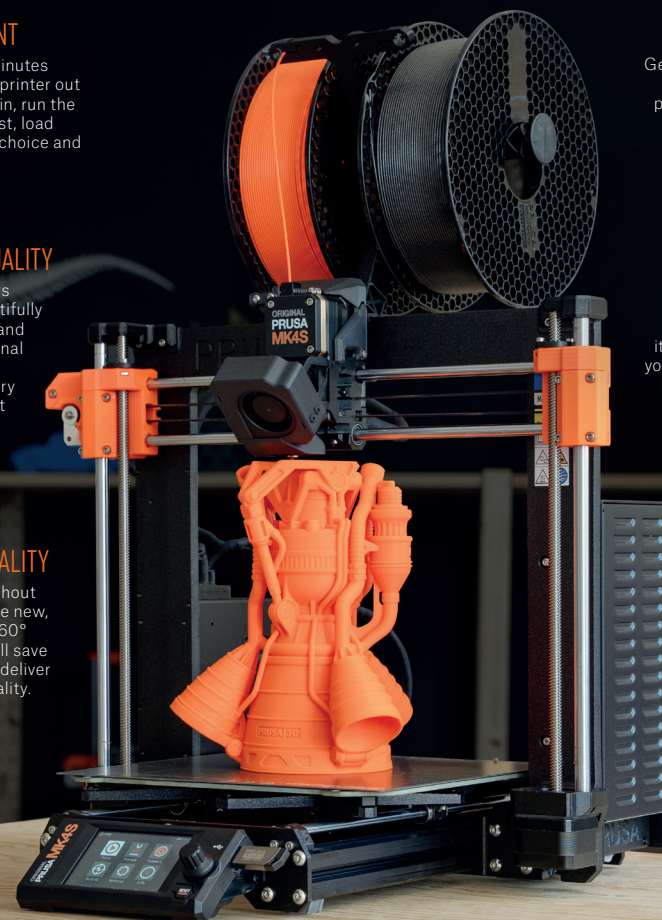
Get beautiful results quickly  
– new firmware, improved print profiles and hardware changes make the MK4S one of the fastest printers on the market.

### QUIET AND RELIABLE

The MK4S is a true 3D printing workhorse designed to run 24/7. And it's still beautifully quiet, so you can leave it on your desk and work undisturbed!

### SOLID, DURABLE PRINTS AT HIGH-SPEED

The best choice for durable and sturdy prints – Thanks to a reworked 360° cooling system combined with a custom-made high-flow nozzle.



**ALSO AVAILABLE AS A KIT!**  
Get all the parts, required tools and accessories, and build your MK4S completely from scratch with our outstanding step-by-step guides.

**PRUSA  
RESEARCH**  
by JOSEF PRUSA



PRUSA3D.COM | PRINTABLES.COM | INFO@PRUSA3D.COM | 24/7 LIVECHAT



# THE MK4S BRINGS NEW AND IMPROVED FEATURES, SUCH AS:

## POWERFUL 360° COOLING SYSTEM

The high-pressure turbine enables printing of extreme overhangs without any supports. The fan is so powerful that it runs at 70% most of the time and the new fan shroud delivers the air flow precisely to the areas where it is needed. No overcooling, perfect 360° delivery, optimal layer adhesion!

## HIGH-FLOW NOZZLE

Reach higher printing speeds and get stronger prints with no compromises in mechanical properties. The high-flow nozzle ensures the filament is perfectly melted for the best layer adhesion and durable prints.

## ADD-ONS FOR MAKERS AND MODDERS

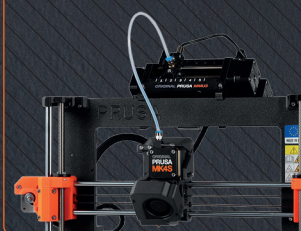
Our printers have always been open to modding, tweaking, and hacking. Now, we're bringing two new additions: a GPIO electronics board enabling you to control additional electronics (LED lights, camera triggers, and more) with G-code commands. We're also introducing an accelerometer for modded extruders.

## NATIVE MOBILE APP + IMPROVED PRUSA CONNECT

The new native iOS/Android Prusa App enables you to manage your printer from everywhere. Get an overview of your 3D printers; start, pause, and stop print jobs, get push notifications, or even start printing from [Printables.com](https://www.printables.com)! Or use the vastly improved Prusa Connect with fast network transfers on your desktop!

## PRINT WITH 5 COLORS!

The MMU3 enables printing with up to 5 filaments at the same time, offering high-speed printing along with low waste. The multi-material unit is fully integrated with the printer, providing two-way communication and effortless operation. To minimize print waste, we suggest swapping the nozzle for a non-high-flow variant.



## WHAT WE ARE PROUD OF:

The MK4S is the latest iteration of our flagship 3D printing workhorse. Easy to set up and run, with top-class reliability and safety features, the MK4S delivers the highest quality 3D prints faster than ever.

## EXCEPTIONAL PRINT QUALITY AND RELIABILITY

Speed is nothing without quality and reliability. There's no point chasing speed records when the prints barely hold together. While the MK4S is twice as fast as the MK3S+ (and extra quiet), we put extra care into improving the print quality even further.

## MANUFACTURED IN EU & USA

The MK4S was designed and built in Prague, Czech Republic. We use as many locally sourced parts as possible. We're also manufacturing the MK4S and Prusament filaments in the USA with our amazing team at Printed Solid, which also runs a dedicated repair center!

## LONG TERM SUPPORT AND UPDATES

We publish new upgrades for our printers even years after release, bringing new, often major features that transform the way you print. More than six years after its release, the MK3S+ is still receiving firmware updates, and we plan to do the same with MK4S.

## 100% SECURITY AND OPEN-SOURCE

The Original Prusa 3D printers were born from open-source roots, and we are still faithful to this heritage. And we value your privacy: we will never collect information about your prints or your printer's surroundings without your consent. Our printers can be operated in a full offline mode, including slicing and firmware flashing. Anyone can check our source codes and do an independent audit. 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.



App Store



Google Play

