PRUSA PRO HT90

THE ONLY 3D PRINTER AN ENGINEER NEEDS

ACTIVELY HEATED CHAMBER UP TO 90 °C

PRUSA RESEARCH by JOSEF PRUSA

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

SCAN THE QR CODE OR VISIT:
prusa.io/HT90
FOR MORE INFORMATION

ABOUT PRUSA RESEARCH

Prusa Research is a leading 3D printer manufacturer based in Prague, Czech Republic. The company was founded as a one-man start-up in 2012 by Josef Prusa, a Czech hobbyist, maker and inventor. It all started as a hobby when Prusa began to explore the possibilities of open-source 3D printers, gradually improving and expanding them – making them accessible to mainstream users. Just a couple of years were enough to turn a small garage project into a globally recognized brand with more than 700 people on board. Today, several large development teams within the company are focused on pushing 3D printing technologies even further with new 3D printers, advanced software and better printing materials.

GET MORE OUT OF YOUR MATERIALS

Prusa Pro HT90 is the only 3D printer an engineer needs. Create PLA prototypes in record times and get the best performance out of high-temp materials like PCCF or PA11CF thanks to an actively heated chamber capable of reaching 90 °C. It is also the most affordable way to create small to medium-sized parts from PEI / PEKK-CF.

ULTRA FAST INDUSTRIAL PRINTER

With its extremely lightweight print head made of dural, and utilizing active vibration cancellation with Input Shaper, fast delta kinematics, thermally controlled printing environment, and acceleration reaching up to 20,000 mm/s², the Prusa Pro HT90 can deposit 1 kg of PETG or ABS filament in just 8 hours.

ALWAYS PERFECT FIRST LAYER

Thanks to the precise Loadcell sensor, the Prusa Pro HT90 can lay down a perfectly smooth and consistent first layer automatically without any user input. At the beginning of a print, the printer taps the sheet with the nozzle in a grid-like pattern to measure the distance and then calculates the correct offsets. The result is a perfect first layer on every surface, without manual adjustments.

DELTA KINEMATICS

Delta kinematics is vastly different from cartesian construction. Since every move is a combination of a coordinated shift of 3 arms, the Prusa Pro HT90 bypasses all the traditional surface imperfections, producing a satisfyingly smooth surface. The print remains static on the bed, enabling high-speed printing no matter the model size.

PRUSA PRO HT90 SPECIFICATIONS

Nozzle	**300 °C (high-flow) / 500 °C (high-temp); Quick swappable print heads**
Heatbed	**155 °C; Removable magnetic PEI sheet**
Print volume	**Ø 300 mm (X, Y) × 400 mm (Z), 28 liters**
Chamber	**Active heating up to 90 °C; High-pressure turbine cooling; Closed-loop HEPA filter (no exhaust); Insulated print chamber with separate electronics**
Extruder	**Direct drive; Optimized for FLEX**
Additional features	**Integrated monitoring camera (easily removable); Industrial STOP button; High-powered 48V motors; Full offline mode; Best-in-class PrusaSlicer**