

HP IF 3D Printer Modules¹ specifications



	HP IF 3D Printer 280 Module	HP IF 3D Printer 360 Module	HP IF 3D Printer 500 Module
Temperature	Up to 280°C	Up to 360°C	Up to 500°C
Nozzle diameter	0,5 mm/0,5mm	0,4 mm/0,4mm	0,4 mm/0,4mm
Types of materials compatible*	ABS, PA-CF, ASA, PET, PLA, PP	ezPC-CF, LEXAN™ EXLAMHI240F, PC, PC ABS, PC-CF, PC-ESD, PEKK Carbon, ULTEM™ 9085	PEEK, PEEK AERO, PEEK-CF, PEEK-A, VictrexAM™ 200
Support material	HPSM-10, HIPS	HPSM-10, ESM-30	HPSM-10, ESM-30

*These are examples; not limited to this list.

Ordering information

Product number	Product
D09MVA	HP Industrial Filament 3D Printer 600 High Temperature
D09MWA	HP Industrial Filament 3D Printer Material Management System ¹
D09MXA	HP Industrial Filament 3D Printer 280 Module ¹
D09MYA	HP Industrial Filament 3D Printer 360 Module ¹
D09MZA	HP Industrial Filament 3D Printer 500 Module ¹

- HP IF 3D Printer Modules and the HP Industrial Filament 3D Printer Material Management System are optional accessories sold separately.
- The stated nozzle temperature capability (280 °C / 360 °C / 500 °C) is based on the maximum operating temperature specifications of each respective interchangeable print module (M280, M360, and M500). Actual printing temperatures are selected by the user based on material requirements.
- HP Certified materials are engineered and tested in combination with the HP Industrial Filament 3D Printer, the Material Management System, and printer modules to ensure consistent, high-quality results. This integrated approach enables optimized process parameters, stable material behavior, and predictable part performance across applications.
While HP cannot guarantee the same level of reliability or print quality with non-HP IF 3D Printer Materials, the open platform supports third-party polymers through predefined generic profiles that are compatible with the system and available at no additional cost—providing users with flexibility without the need to create profiles from scratch.
- The HP Industrial Filament 3D Printer’s repeatable performance is achieved through its rigid

- mechanical architecture, precise motion system, and intelligent thermal control, which maintain stable printing conditions and dimensional accuracy over successive production cycles.
- Based on built-in printer capabilities, including real-time system monitoring, sensor-based feedback loops, and automated diagnostics designed to maintain controlled process conditions and identify potential errors before or during printing. These features support reliable operation and help enable predictable, repeatable outcomes when using recommended settings and materials. Actual results may vary based on material selection, part geometry, and print parameter configuration.
- This specification reflects the maximum part accuracy under nominal conditions. The figure of ‘±0.125 mm or 0.0014 mm/mm, whichever is greater’ applies to the X/Y dimensions and includes an additional tolerance (+0/ +layer height!) in the Z-axis. Actual part tolerances may vary based on the chosen material, part geometry, ambient conditions, print settings and calibration procedures.
- Filtration components selected based on HEPA H13 standards and activated carbon adsorption properties. Performance varies by material type, maintenance, ventilation, and operational conditions.

If you would like to learn more about the HP IF 3D Printer Solution 600 HT or to connect with us, please visit:

<https://reinvent.hp.com/us-en-3dprint-filament3dprinter600HT>

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