HP Jet Fusion 5000 3D Printer

bechtle



Access HP 3D Printing[1] capabilities for control over your production and design freedom

Embark on your journey with HP's MJF technology

Take control of the end result, time-to-part, and part quality.	Accessible system. Predictable costs.	Evolve your system when production grows
Produce prototypes and end-use parts with fine detail, sharp edges, and defined textures using HP Multi Jet Fusion Technology.	Minimize business risk and expand to new materials with lower upfront investment.[3]	Improve your cost per part with a cost structure that adapts to increasing levels of production with the HP Jet Fusion 5000 to 5200 Upgrade kit.
Accelerate results by reducing overall time-to-part with in-house production. Achieve a full build printed in just 8 hours.	Manage operating expenses with predictable supplies and maintenance costs using HP 3DaaS[8]—a "pay-as-you-go" business model.	Create an environment where you can print continuously—simply add build units.
Innovate freely with a solution that accommodates multiple designs in one build. Do more—create bigger builds with larger part sizes XY.[2]	Get up and running quickly with installation services and training included with this solution.[4]	Save time in powder management and reduce labor costs with an optional processing station that enables clean and automated build preparation, rapid cooling, and easier powder removal.

Technical specifications

HP Jet Fusion 5000 3D Printer

PRINTER PERFORMANCE	Technology	HP Multi Jet Fusion technology
	Effective build volume	380 x 284 x 250 mm (15 x 11.2 x 9.8 in)
	Building speed[5]	Up to 4010 cm^3/hr (244.7 in^3/hr)
	Layer thickness	0.08 mm (0.003 in)
	Job processing resolution (x, y)	1200 dpi
	Print resolution (x, y)	1200 dpi
DIMENSIONS (W X D X H)	Printer	2210 x 1268 x 1804 mm (87 x 50 x 71 in)
	Shipping	2300 x 1325 x 2027 mm (91 x 52 x 80 in)
	Operating area	3700 x 3700 x 2500 mm (146 x 146 x 99 in)
WEIGHT	Printer	880 kg (1940 lb)
	Build unit	140.5 kg (309.7 lb)
	Shipping	1037.5 kg (2287 lb)
NETWORK[6]	Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (IPv4 only), TLS/SSL	
PROCESSOR AND MEMORY	Processor	Intel® Core™ i7 7770 (3.6 GHz, up to 4.2 GHz)
	Memory	32 GB DDR4
HARD DISK	1TB HDD SED (AES-256 encrypted)	
	1TB SDD SED (AES-256 encrypted), TGC-OPAL 2.01 compliant	
SOFTWARE	Compatible software	HP 3D Build Manager HP 3D Command Center HP 3D Center
	Supported file formats	3MF, STL, OBJ, and VRML (v2.0)
	Certified third-party software	Autodesk® Netfabb® with HP Work-space, Materialise Build Processor for HP Multi Jet Fusion technology
POWER	Consumption	12 kw[7]
	Requirements	380-415 V (line-to-line), 50 A max, 50/60 Hz 200-240 V (line-to-line), 80 A max, 50/60 Hz

CERTIFICATIONS AND STATEMENT	Safety	IEC 60950-1+A1+A2 compliant; United States and Canada (UL listed); EU (LVD and MD compliant, EN 60950-1, EN 12100-1, EN 60204-1, and EN 1010)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
	Environmental statement	REACH compliant
WARRANTY & SERVICE COVERAGE INCLUDED	One-year limited hardware warranty	
ENVIRONMENTAL SPECIFICATIONS	Temperature during installation	20-30ºC (68-86ºF)
	Operating temperature	20-30ºC (68-86ºF)
	Recommended temperature for best performance	20-30ºC (68-86ºF)
	Storage temperature	-25 to 55ºC (-13 to 131ºF)
	Operating humidity	30-80% without condensation
	Storage humidity	<90% without condensation
HP 3D Printing materials have their own restrictions published in material data sheets.		

Ordering information

PRINTER	8Q6G2B	HP Jet Fusion 5000 3D Printer
ACCESSORIES	8Q6G3A	HP Jet Fusion 5000 3D Build Unit
	3FW27A	HP Jet Fusion 5200 3D Processing station
	5ZR21A	HP Jet Fusion 5200 3D Semaphore
	4QG11A	HP Jet Fusion 5200 Series 3D Automatic External Tank Starter Kit
	G5J38A	HP OfficeJet Pro 7740 (Printhead Alignment Scanner)
	915Y0A	HP Jet Fusion 5000 to 5200 Upgrade kit

Learn more about HP Jet Fusion 5000 3D Printer: hp.com/JetFusion5000

Connect with an HP 3D Printing expert or sign up for the latest news about HP Jet Fusion 3D Printing: hp.com/go/3Dcontactus

For more information, please visit: hp.com/go/3DPrint

1. The HP Jet Fusion 5000 3D Printer is currently available with HP 3D HR PA12, enabled by Evonik/ HP 3D HR PA12 S, enabled by Arkema/ HP 3D HR PA11/HP 3D HR PP, enabled by BASF/ HP 3D HR PA12 Glass Beads/ BASF Ultrasint® TPU01/ Estane® 3D TPU M88A.
2. Larger builds/part sizes compared to solutions with a similar price range.
3. Lower upfront investment compared to other solutions in HP's Jet Fusion portfolio.
4. The HP 3D Ready-to-Print Service is included in the purchase price of the HP Jet Fusion 5000 3D Printer with a 3DaaS contract.
5. Based on using HP 3D High Reusability PA 12, 0.08-mm (0.00315-in) layer thickness and 7.75 sec/layer.
6. The HP Jet Fusion 5000 3D Printer should be connected to the HP Cloud in order to enable the correct functioning of the printer and to offer better support.
7. Average power for HP 3D High Reusabiility PA 12 in Balanced print mode.
8. HP 3DaaS available where applicable. If 3DaaS is not available in your country, please contact an HP representative for alternative options.

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