

HP Jet Fusion 5600 Series 3D printing solutions



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Enhance your manufacturing capabilities and optimize applications for flexible production at scale¹

Ideal for high volume production environments



Gain process flexibility to enhance applications²

- Optimize applications for scalable production with access to process development capabilities
- Leverage data and KPI analytics that streamline application development
- Become your own process expert through the transfer of knowledge and support from HP's technical experts

Save time and money with predictable manufacturing³

- Improve yield rates and help reduce costs with optimized print modes and calibrations for consistent part quality—part to part, build to build, system to system
- Build confidence in your production processes with access to data reports
- Reduce unplanned downtime through improved hardware reliability

Grow your business by scaling AM production

- Produce robust final parts with best-in-class isotropy using our latest generation HP Jet Fusion platform
- Maximize overall equipment effectiveness (OEE) through enhanced part repeatability and system reliability
- Unlock MJF's highest process capabilities to optimize and scale applications

HP 3D hardware, software, and services designed to help you scale into volume production



HP Digital Production Suite—delivering the science and power of HP Multi Jet Fusion technology

HP Digital Production Suite provides the control and analytics required to scale additive manufacturing for a complete supply chain solution.

Design

Development

Production

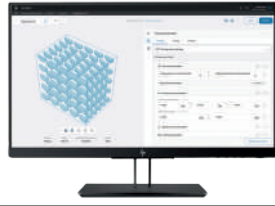


Design

Development

Production

HP 3D Process Development



Expand HP Multi Jet Fusion applications with access to a full suite of process parameter settings. Experiment and create processes designed to scale. Maintain a library with your testing procedures.

Design

Development

Production

HP 3D Build Manager



Quickly and easily prepare your jobs for printing with all the elements you need

HP 3D Command Center



Client/server application for system setup, registration, device monitoring, and connectivity management

HP 3D Center



Cloud-based dashboard delivers timely and historical data for greater productivity and efficiency

Integration with industry-leading software partners

AUTODESK

materialise
Innovators you can count on

materialise co-am
software platform

SIEMENS

The HP Jet Fusion 5600 Series 3D printing solution is currently available with HP 3D High Reusability PA 12, enabled by Evonik



Strong, low-cost⁴ parts and a reduced carbon footprint⁵

Reduce total cost of ownership⁶ and produce strong, functional, detailed complex parts with HP 3D High Reusability PA 12, enabled by Evonik. This robust thermoplastic provides industry-leading surplus powder reusability.⁷

Statements: Biocompatibility, REACH, RoHS (for EU, Bosnia-Herzegovina, China, India, Japan, Jordan, Korea, Serbia, Singapore, Turkey, Ukraine, Vietnam), PAHs, Statement of Composition for Toy Applications, UL 94, and UL 746A. Meets strict automotive safety standards, including the Federal Motor Vehicle Safety Standard (FMVSS).⁸



Data courtesy of Fractal

Technical specifications

HP Jet Fusion 5600 Series 3D printers

PRINTER PERFORMANCE	Technology	HP Multi Jet Fusion technology
	Effective build volume	380 x 284 x 380 mm (15 x 11.2 x 15 in)
	Humidity	40-80%
	Building speed ¹²	Up to 3,466 cm ³ /hr (211 in ³ /hr)
	Layer thickness ¹²	0.09 mm (.0035 in)
	Job processing 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 ¹³	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	64 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 HP 3D API HP 3D Process Development
	Supported file formats	3MF, STL, OBJ, and VRML (v2.0)
	Certified third-party software	Autodesk® Netfabb with HP Workspace, Materialize Build Processor for HP Multi Jet Fusion technology, Siemens NX AM for HP Multi Jet Fusion technology
POWER	Consumption	12 kW ¹⁴
	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	20-30°C (68-86°F)
	Operating temperature	20-30°C (68-86°F)
	Recommended temperature for best performance	20-30°C (68-86°F)
	Storage temperature	-25 to 55°C (-13 to 131°F)
	Operating humidity	40-80% without condensation
	Storage humidity	< 90% without condensation
HP 3D Printing materials have their own restrictions published in material data sheets		

HP Jet Fusion 5200 Series 3D processing stations

FEATURES	Automated mixing and loading with ultrasonic sieving and accessible sieve mesh; semi-manual unpacking; high-temperature unpacking; automated external storage tank; optional trained self-service deep-cleaning; optional cooling unit		
	DIMENSIONS (W x D x H)	Processing station	2990 x 934 x 2400 mm (117.7 x 36.8 x 94.5 in)
		Shipping	2389 x 1176 x 2182 mm (94 x 46.3 x 85.9 in)
	Operating area	3190 x 2434 x 2500 mm (125.6 x 95.8 x 99 in)	
WEIGHT	Processing station	485 kg (1069 lb)	
	Loaded	724 kg (1596 lb)	
	Shipping	620 kg (1366 lb)	
POWER	Consumption	2.6 kW (typical)	
	Requirements	Input voltage single phase 200-240 V (line-to-line) 19 A max, 50/60 Hz (line-to-neutral) 14 A max, 50 Hz	
CERTIFICATIONS AND STATEMENT	Safety	UL 2011, UL508A, NFPA 70/ NFPA 79, C22.2 NO. 14-13 compliant; United States and Canada (UL listed); EU (MD compliant, EN 60204-1, EN 12100-1, EN 1127-1, EN-ISO 11201 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	20-30°C (68-86°F)	
	Operating temperature	20-30°C (68-86°F)	
	Recommended temperature for best performance	20-30°C (68-86°F)	
	Storage temperature	-25 to 55°C (-13 to 131°F)	
	Operating humidity	40-80% without condensation	
	Storage humidity	< 90% without condensation	
HP 3D Printing materials have their own restrictions published in material data sheets			



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contattaci*



Tel: 0332.802111

Mail: info.3d@elmec.it

via Campo dei Fiori 5
21020 Brunello (VA)

www.elmec3d.com

