

HP Jet Fusion 4200

3D Printing Solution



Data courtesy of Invent Medical

Quality, functional parts

- Ideal for industrial prototyping and final part production.
- Achieve predictable print time and parts with best-in-class isotropy.
- Choose between print modes tuned for mechanical/functional/aesthetic properties, accuracy, and speed.

Optimized productivity

- Produce more parts per day with continuous printing¹.
- Streamlined, cleaner experience with enclosed, automated mixing².
- Rely on HP's world-class HP 3D Solution Services to maximize uptime and productivity.

Optimized costs

- Reduce operational costs, opening your doors to short-run production.
- Invest in a competitively priced 3D Printing solution and produce at a low-cost-per-part.
- Optimize cost and part quality, with cost-efficient materials that offer industry-leading reusability³.

For more information, please visit: hp.com/go/3DPrinter4200















HP Jet Fusion 4200 3D Printing Solution

Produce quality parts while optimizing productivity and cost

Ideal for industrial prototyping and final part production environments



SOLUTION	Easy-to-use solution that scales with your business; integrated end-to-end process that delivers both functional prototypes and final parts	
PRINTER	HP 3D fusing and detailing agents work with HP Multi Jet Fusion technology and materials to deliver quality, functional parts	1
	Accurate thermal control of every layer enables predictive corrections voxel by voxel	2
	In-printer quality checks reported via a touchscreen help minimize errors and enable easy, accurate job progress tracking	3
	Stay connected ⁴ : The HP Jet Fusion 3D Printing Solution collects data to provide a better customer and support experience; connectivity also drives both higher uptime and remote monitoring of your HP system from anywhere	4
MATERIALS	HP 3D Printing materials provide optimal output quality and high reusability at a low-cost-per-part	5
	Change to different materials: The HP Jet Fusion 3D external tank allows the extraction of reused material from the processing station so it can be replaced with a different material	6

PROCESSING STATION	Automated materials mixing and loading systems help streamline your workflow and reduce labor time	7 
	No additional room for parts removal needed with enclosed unpacking and material collection system, including a laminar hood	8 
	The HP Jet Fusion 3D build unit, included within the printer, is moved on for cooling right after job completion, allowing a continuous printing ¹ process	9 
	The HP Jet Fusion 3D fast cooling module reduces cooling time resulting in fast time-to-part and more parts ready within the same day	10 
SERVICES & SUPPORT	HP 3D Solution Services stand behind your business to maximize your uptime and productivity, with next-business-day on-site support and spare parts availability ⁵	
	HP 3DaaS ⁶ : Convenient pay-per-use model; cost predictable model, a low commitment, to enhance running cost management and operation	\$
SOFTWARE	HP 3D API ⁷ : Streamlined data access and automation across industrial management systems	
	HP 3D Center ⁸ : Dashboard view into production data and remote monitoring for greater efficiency and agility	
	HP SmartStream 3D Build Manager: Quickly and easily prepare your jobs for printing with all the elements you need	
	HP Universal Build Manager powered by Dyndrite ⁹ : Build management software enabling additive manufacturing at scale through automation	
	Integration with industry-leading software solutions	
	   	

Data courtesy of HeyGears



Expanding materials and applications: new growth opportunities

Expand into new applications and markets with a growing portfolio of HP 3D materials that enable you to produce a variety of low-cost, quality parts, and address sustainability objectives with industry-leading reusability³.

HP 3D High Reusability PA 11—ductile¹⁰, quality parts



Data courtesy of OT4 Orthopädietechnik GmbH



Data courtesy of Bowman - Additive Production

Produce functional parts with impact resistance and ductility¹⁰. This thermoplastic material, made from renewable sources¹¹, provides optimal mechanical properties and consistent performance at industry-leading surplus powder reusability³.

Statements¹²: 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

HP 3D High Reusability PA 12—strong, low-cost¹³, quality parts

Reduce total cost of ownership¹⁴ and produce strong, functional, detailed complex parts with HP 3D High Reusability PA 12, a robust thermoplastic that enables industry-leading surplus powder reusability³.

Statements¹²: 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



Data courtesy of Invent Medical



Data courtesy of Skorpio Engineering Srl

HP 3D Reusability PA 12 Glass Beads—stiff, dimensionally stable, quality parts



Data courtesy of Prometal3D

Produce stiff, functional parts, while achieving up to 70% surplus power reusability¹⁵, with this glass bead filled thermoplastic material ideal for applications requiring high stiffness and dimensional stability like enclosures and housings, fixtures and tooling.

Statements¹²: REACH, RoHS (for EU, Bosnia-Herzegovina, China, India, Japan, Jordan, Korea, Serbia, Singapore, Turkey, Ukraine, Vietnam), PAHs, UL 94 and UL 746A

HP 3D High Reusability TPA enabled by Evonik

Produce flexible and lightweight¹⁶ parts with enhanced rebound resilience with this easy-to-process elastomer, with high part uniformity.

Statements¹²: REACH, RoHS (for EU, Bosnia-Herzegovina, China, India, Japan, Jordan, Korea, Serbia, Singapore, Turkey, Ukraine, Vietnam), PAHs



Data courtesy of GoProto Inc.
Printed with HP 3D High Reusability TPA enabled by Evonik

Material Certified for HP Jet Fusion 3D Printing

ESTANE® 3D TPU M95A



Data courtesy of HP - Lubrizol

ESTANE® 3D TPU M95A is an ideal fit for both prototyping and manufacturing scale-up applications, delivering high energy rebound, high-impact absorption, a good abrasion resistance rate and high elasticity, combined with excellent unpacking/de-powdering properties.



Tested and approved solely for compatibility with HP Jet Fusion 3D printers¹⁷

HP 3D Printing materials portfolio selection guide¹⁸

	HP 3D HR PA 11	HP 3D HR PA 12	HP 3D HR PA 12 GB	HP 3D HR TPA enabled by Evonik	ESTANE® 3D TPU M95A
Stiffness	●	●	★	▲	▲
Impact resistance	●	■	▲	★	★
Elongation	●	■	▲	★	★
Dimensional capability	●	★	●	■	■
Level of detail	★	●	●	●	■
Flat part	■	●	★	■	■
Temperature resistance	▲	■	●	■	●
Chemical resistance ¹⁹	●	●	n/a	▲	■
Low moisture absorption	▲	▲	▲	■	■
Lightweight	●	●	■	● ¹⁶	▲

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

★ Best ● Good ■ Fair ▲ Not recommended

Technical specifications

HP Jet Fusion 4200 3D Printer

PRINTER PERFORMANCE	Technology	HP Multi Jet Fusion technology
	Effective build volume	380 x 284 x 380 mm (15 x 11.2 x 15 in)
	Building speed ²³	Up to 4115 cm³/hr (251 in³/hr)
	Layer thickness	0.08 mm (0.003 in)
	Job processing resolution (x, y)	600 dpi
	Print resolution (x, y)	1200 dpi
DIMENSIONS (W X D X H)	Printer	2210 x 1200 x 1448 mm (87 x 47 x 57 in)
	Shipping	2300 x 1325 x 2068 mm (91 x 52 x 81 in)
	Operating area	3700 x 3700 x 2500 mm (146 x 146 x 99 in)
WEIGHT	Printer	750 kg (1653 lb)
	Shipping	945 kg (2083 lb)
NETWORK ²⁴	Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (IPv4 only), TLS/SSL	
PROCESSOR AND MEMORY	Processor	Intel® Core™ i7 4770TE (2.3 GHz, up to 3.3 GHz)
	Memory	16 GB DDR3
HARD DISK	2TB (AES-256 encrypted, FIPS 140, disk wipe DoD 5220M)	
SOFTWARE	HP SmartStream 3D Build Manager, HP SmartStream 3D Command Center	
	Compatible software	HP 3D API ⁷ , Center ⁸ , HP Universal Build Manager powered by Dyndrite ⁹
	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, Siemens NX AM for HP Multi Jet Fusion technology
POWER	Consumption	9 to 11 kW (typical)
	Requirements	Input voltage three phase 380-415 V (line-to-line), 30 A max, 50/60 Hz 200-240 V (line-to-line), 48 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)
	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 operating temperature for best performance	20-30°C (68-86°F)
	Storage & reshipping temperature	-25 to 55°C (-13 to 131°F)
	Operating humidity	30-70% without condensation
	Storage humidity	<90% without condensation
	Max altitude when printing	3000 m or 9842.6 ft. (2000 m or 6561.8 ft. for China)
	HP 3D Printing materials have their own restrictions published in material data sheets	

HP Jet Fusion 4200 3D Processing Station with Fast Cooling		
FEATURES	Automated mixing, sieving, and loading; semi-manual unpacking; fast cooling; external storage tank	
DIMENSIONS (W X D X H)	Processing station with fast cooling	2990 x 934 x 2400 mm (1177 x 36.8 x 94.5 in)
	Shipping	3499 x 1176 x 2180 mm (137.8 x 46.3 x 85.8 in)
	Operating area	3190 x 2434 x 2500 mm (125.6 x 95.8 x 99 in)
WEIGHT	Processing station with fast cooling	480 kg (1058 lb)
	Loaded	810 kg (1786 lb)
	Shipping	620 kg (1367 lb)
POWER	Consumption	2.6 kW (typical)
	Requirements	Input voltage single phase 200-240 V (line-to-line), 19 A max, 50/60 Hz or 220-240 V (line-to-neutral), 14 A max, 50 Hz
CERTIFICATIONS AND STATEMENT	Safety	UL 2011, UL508A, NFPA, C22.2 NO. 13-14 compliant; United States and Canada (UL listed); EU (MD compliant, EN 60204-1, EN 12100-1 and EN 1010)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)
	Environmental statement	REACH compliant
WARRANTY & SERVICE COVERAGE INCLUDED	One-year limited hardware warranty	
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Technical specifications

PRINTER	M0P44B	HP Jet Fusion 4200 3D Printer
ACCESSORIES	M0P49C	HP Jet Fusion 4200 3D Processing Station with Fast Cooling
	M0P45B	HP Jet Fusion 4200 3D Build Unit
	M0P54B	HP Jet Fusion 5200/4200 Series 3D External Tank 5-units Bundle
	M0P54D	HP Jet Fusion 4200 Series 3D External Tank Starter Kit
	4QG11A	HP Jet Fusion 5200 3D Automatic External Tank Starter Kit
	M0P54B	HP Jet Fusion 5200/4200 Series 3D External Tank 5-units Bundle
RECOMMENDED ACCESSORIES	Girbau DY130 Dyeing Solution ²⁰	Please consult with your local HP Amplify 3D Printing Specialist
ORIGINAL HP PRINTHEADS	F9K08A	HP 3D600 Printhead
ORIGINAL HP AGENTS	V1Q63A	HP 3D700 5L Fusing Agent
	V1Q64A	HP 3D700 5L Detailing Agent
OTHER SUPPLIES	V1Q66A	HP 3D600 Cleaning Roll
ORIGINAL HP 3D HIGH REUSABILITY MATERIALS ²⁵	V1R10A	HP 3D High Reusability PA 12 30L (13 kg)
	V1R16A	HP 3D High Reusability PA 12 300L (130 kg)
	V1R12A	HP 3D High Reusability PA 11 30L (14 kg)
	V1R18A	HP 3D High Reusability PA 11 300L (140 kg)
	V1R11A	HP 3D High Reusability PA 12 Glass Beads 30L (15 kg)
	V1R22A	HP 3D High Reusability PA 12 Glass Beads 300L (150 kg)
	V1R38A	HP 3D High Reusability TPA enabled by Evonik 300L (120 kg) Material
	V1R39A	HP 3D High Reusability TPA enabled by Evonik 300L (120 kg) Production Material ²⁶

MATERIALS CERTIFIED FOR HP JET FUSION 3D PRINTING ¹⁷	3DTW0030	ESTANE® 3D TPU M95A 30L (16 kg)
	3DTW0300	ESTANE® 3D TPU M95A 300L (160 kg)
	3DTW0900	ESTANE® 3D TPU M95A-545 900L (480 kg)
HP 3D SOLUTION SERVICES ²⁷	UB4P2E	HP Digital Manufacturing Site Readiness Assessment Tier 1 Service for HP Jet Fusion 5200/4200 Series 3D Printing Solutions
	U9ZS7E	HP 3D Ready-to-Print Service for HP Jet Fusion 4200 Series 3D Printing Solutions
	U9EK7E	HP 3D Advanced Operation Training Service (HP Training Center) for HP Jet Fusion 4200 Series 3D Printing Solutions
	UC0E9E	HP 3D Part Quality Proficiency Training Service for HP Jet Fusion 4200 Series 3D Printing Solutions
	UB9V8E	HP 3 Year NBD* On-site HW Support with DMR** Production Care for HP Jet Fusion 5200/4200 Series 3D Printer
	UB9X6E	HP 3 Year NBD* On-site HW Support Production Care for HP Jet Fusion 5200/4200 Series 3D Build Unit
	UB7R3E	HP 3 Year NBD* On-site HW Support Foundation and Production Care for HP Jet Fusion 5200/4200 Series 3D Processing Station
	UB4R1E	HP Customer Self-Repair Uptime Kit Service for HP Jet Fusion 4200 Series 3D Printing Solutions

* Next Business Day **Defective Media Retention



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