HP Jet Fusion 4200
3D Printing Solution

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 printing.¹
• Streamlined, cleaner experience—enclosed, automated mixing—and materials not classified as health hazards.²
• Rely on HP’s world-class HP Jet Fusion 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 reusability.³

For more information, please visit hp.com/go/3DPrint
HP Jet Fusion 4200 3D Printing Solution

Produce quality parts while optimizing productivity and cost

Ideal for industrial prototyping and final part production environments

1. Automated materials mixing and loading systems help streamline your workflow and reduce labor time.
2. No additional room for parts removal needed with enclosed unpacking and material collection system, including a laminar hood.
3. The HP Jet Fusion 4200 3D Processing Station with Fast Cooling.
4. The HP Jet Fusion 4200 3D Printer.
5. HP Jet Fusion 3D Solution Services stand behind your business to maximize your uptime and productivity, with next-business-day onsite support and spare parts availability.
6. HP 3D printing materials provide optimal output quality and high reusability at a low cost per part and include HP 3D High Reusability PA 12, HP 3D High Reusability PA 12 Glass Beads, and HP 3D High Reusability PA 11.
7. Change to different materials: The HP Jet Fusion 3D external tank allows the extraction of recycled material from the processing station so it can be replaced with a different material.
8. HP SmartStream 3D Build Manager: quickly and easily prepare your jobs for printing with all the elements you need.
9. In-printer quality checks reported via a touchscreen help minimize errors and enable easy and accurate job progress tracking.
10. Accurate thermal control of every layer enables predictive corrections voxel by voxel.

For more information, visit: hp.com/go/3DPrinter4200
New 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 reusability.¹

HP 3D High Reusability PA 11—ductile,² quality parts

Produce functional parts with impact resistance and ductility.³ This thermoplastic material, made from renewable sources,¹ provides optimal mechanical properties and consistent performance at industry-leading surplus powder reusability.²

Certificates: Biocompatibility,¹ REACH, RoHS (for EU, Bosnia-Herzegovina, China, India, Japan, Jordan, Korea, Serbia, Singapore, Turkey, Ukraine, Vietnam), PAHs, Statement of Composition for Toy Applications.

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

Reduce total cost of ownership⁴ and produce strong, functional, detailed complex parts with HP 3D High Reusability PA 12, a robust thermoplastic that enables industry-leading surplus powder reusability.¹

Certificates: Biocompatibility,¹ REACH, RoHS (for EU, Bosnia-Herzegovina, China, India, Japan, Jordan, Korea, Serbia, Singapore, Turkey, Ukraine, Vietnam), PAHs, UL 94 and UL 746A Certification.

HP 3D High Reusability PA 12 Glass Beads—stiff, low-cost, quality parts

Produce stiff, functional parts with this 40% glass bead filled thermoplastic material offering both optimal mechanical properties and consistent performance—while achieving up to 70% surplus powder reusability¹—­at a low cost per part.

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

Materials Certified for HP Jet Fusion 3D Printing

HP is committed to expanding our portfolio of materials certified for HP Jet Fusion 3D Printing Solutions. Evonik’s VESTOSINT® 3D Z2773 PA 12 is the first certified material. We’re also working with a variety of other third-party vendors to increase the materials and application options available.

VESTOSINT® 3D Z2773 PA 12 3D (14 kg)¹¹ is a modified polyamide-based powder that is produced at Evonik’s Marz site in Germany using the company’s own special process. The powders are certified for the HP Jet Fusion 4200 3D Printer.¹¹

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

HP recommended post-processing solutions

Girbau DY130 Dyeing Solution¹⁵

With 50 years of experience designing industrial equipment and in the dyeing equipment industry, Girbau offers a post-processing solution for dye finishing made for the HP Jet Fusion 4200 3D Printing Solution.¹⁵

For more information, visit: coloringsystem.girbau.com

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Usage and properties

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Certificates:

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- UL 94 and UL 746A Certification

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²,³,⁴,⁵,⁶,⁷,⁸,⁹,¹⁰,¹¹,¹²,¹³,¹⁴,¹⁵
Maximize your equipment uptime with HP Jet Fusion 3D Solution Services

Whether you're looking to meet today's needs or tomorrow's dreams, let HP help you get the most out of your 3D printing experience with a range of support offerings including foundational care and lifecycle support, training opportunities, and productivity services that bring ideas to life and speed your journey to full digital manufacturing.

Drive business growth with high uptime and fast, efficient 3D printing. HP Jet Fusion 3D Solution Services can help your business in any capacity with foundational care services or lifecycle support, and advanced training. We help you do more and increase the return on your investment—from day one and as your needs evolve. Grow your business with true peace of mind.

- Speed your transformation to full digital manufacturing with the hands-on experience and guidance you get with HP Digital Manufacturing Productivity Services.
- Empower your staff through HP 3D Printing Training Services, providing expert guidance on part design, print quality and yield, troubleshooting, and performance.
- Focus on your core business while HP experts perform installations, upgrades, relocations, and more with HP 3D Printing Lifecycle Services.
- Prioritize uptime with next business day onsite support and next business day spare parts availability with HP 3D Printing Care Services.

Accelerate your move to HP Printing with HP Financial Services

Leverage the latest technology to help accelerate your growth, profitability, and competitiveness. Partner with HP Financial Services to help accelerate your time to value. Enjoy the flexibility to meet both your technology and financial plans while allocating your cash to other priorities.

Financing options include a low per-month payment for the HP Jet Fusion 4200 3D Printing Solution, enabling the flexibility to:
- Avoid a large up-front payment
- Align payments with revenue by using deferred or step payment options
- Simplify your administrative burden with hardware and services into a single agreement
- Change your requirements evolve, refresh every 3–5 years

For more information, contact your HP or HP Financial Services representative.

Learn more at hp.com/go/3DPrinter4200

Technical specifications

HP Jet Fusion 4200 3D Printer

Print resolution
750 kg (1653 lb)

Dimensions
www.hpl.com

Networking

HP 3D Printing Lifecycle Services
HP 3D Printing Training Services
HP Digital Manufacturing Productivity Services

HP Jet Fusion 4200 3D Processing Station with Fast Cooling

Features

• Automated mixing, moving, and loading; semi-manual unpacking; fast cooling external storage tank

Dimensions (w x d x h)

Processing start time

2990 x 934 x 2400 mm

Shipping

3499 x 1776 x 2180 mm

Operating area

3790 x 2494 x 2500 mm

Power

Consumption

Requirements

Input voltage single phase 200–240V (line-to-line), 19 A max, 50 Hz or 220–240V (line-to-neutral), 14 A max, 50 Hz

Certification

Safety

UL 2011, UL508A, NFPA, C22.2 No. 1-14 compliant; United States and Canada (UL listed), EU (PED 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 (DIN)

Eco Highlights

• HP 3D powders and agents are not classified as health hazards
• Cleaner, more comfortable experience—enclosed printing system, and automatic powder management
• Minimizes waste due to industry-leading reusability of powder
• Take-back program for printheads
Find out more about HP sustainable solutions at hp.com/ecosolutions

Learn more about HP Multi Jet Fusion technology at hp.com/go/3DPrint

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

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at hp.com/go/learnaboutsupplies.

Learn more at hp.com/go/3DPrinter4200

Learn more about HP Jet Fusion 4200 3D Printing Solutions:

www.hpl.com

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3. Industry-leading surplus powder reusability based on using HP 3D High Reusability PA 11 and PA 12 at recommended packing densities compared to manual print retrieval process used by other powder-based technologies. The term “cleaner” does not refer to any indoor air quality requirements and should be considered as a reutilizing an additional material (i.e., HP). The HP powder and agents do not meet the criteria for classification as hazardous according to GHS and Regulation (EC) 1272/2008 as amended.


3. Based on HP internal testing, June 2017. HP30X00/30X03/30X10 Fusing and Detailing Agents, and HP3D High Reusability PA 11 powder meet USP Class I and II and ISO 9001:2008, Biological evaluation of medical device–part 2. Tests for in vitro cytotoxicity and sensitation per ISO 10993–10, Biological evaluation of medical device–part 10. Tests for irritation and skin sensitization. It is the responsibility of the customer to determine that its use of the fusing and detailing agents and powder is safe and technically suitable to the intended applications and consistent with the relevant regulatory requirements (including FDA requirements) applicable to the customer’s final product. For more information, see the component suitability certificate (PUBL1 and Materials are certified for the intended 3D printing applications as the date of its publication, however, to the maximum extent permitted by law HP EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF HP IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION PROVIDED. Except to the extent that exclusion is not permitted by law HP shall not be liable for any technical or editorial errors or omissions contained herein and the information herein is subject to change without notice. HP shall not be liable for damages or losses of any kind or nature that result from the use of or reliance upon this information. The HP Jet Fusion 3D Materials have not been designed, manufactured or tested by HP for compliance with legal requirements for 3D printed parts and their uses and recipients are responsible for making their own determination as to the suitability of VESTOSINT® 3D 22773 PA 12 30L (140 kg) for such HP products and services. HP believes that the information herein is correct based on the current state of scientific knowledge and as the date of its publication, however, to the maximum extent permitted by law HP EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF HP IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION PROVIDED. Except to the extent that exclusion is not permitted by law HP shall not be liable for technical or editorial errors or omissions contained herein and the information herein is subject to change without notice. HP shall not be liable for damages or losses of any kind or nature that result from the use of or reliance upon this information. The HP Jet Fusion 3D Materials have not been designed, manufactured or tested by HP for compliance with legal requirements for 3D printed parts and their uses and recipients are responsible for making their own determination as to the suitability of the HP Jet Fusion 3D Materials for their purposes and uses, ensure compliance with applicable laws and regulations, and be aware that other safety or performance considerations may arise when using, handling or storing the product.

1. Continuous printing requires an additional HP Jet Fusion 3D build unit (standard printer configuration includes one HP Jet Fusion 3D build unit). Compared to manual print retrieval process used by other powder-based technologies. The term “cleaner” does not refer to any indoor air quality requirements and should be considered as a reutilizing an additional material (i.e., HP). The HP powder and agents do not meet the criteria for classification as hazardous according to GHS and Regulation (EC) 1272/2008 as amended.

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