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 with enclosed, automated mixing.²
• 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 reusability.³

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

Data courtesy of Invent Medical
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. **Easy-to-use solution** that scales with your business; integrated end-to-end process that delivers both functional prototypes and final parts
2. **HP 3D fusing and detailing agents** work with HP Multi Jet Fusion technology and materials to deliver quality, functional parts
3. **Accurate thermal control** of every layer enables predictive corrections voxel by voxel
4. **In-printer quality checks** reported via a touchscreen help minimize errors and enable easy and accurate job progress tracking
5. **Stay connected** to the HP Jet Fusion 3D Printing Solution collecting data to provide a better customer and support experience; connectivity also drives both higher uptime and remote monitoring of your HP system from anywhere
6. **HP 3D Printing materials** provide optimal output quality and high reusability at a low cost per part
7. **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

**SOFTWARE**

- **HP 3D fusing and detailing agents**
- **Accurate thermal control** of every layer enables predictive corrections voxel by voxel
- **In-printer quality checks** reported via a touchscreen help minimize errors and enable easy and accurate job progress tracking
- **Stay connected**; 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
- **HP 3D Printing materials** provide optimal output quality and high reusability at a low cost per part
- **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

**MATERIALS**

- **Easy-to-use solution** that scales with your business; integrated end-to-end process that delivers both functional prototypes and final parts
- **HP 3D fusing and detailing agents** work with HP Multi Jet Fusion technology and materials to deliver quality, functional parts
- **Accurate thermal control** of every layer enables predictive corrections voxel by voxel
- **In-printer quality checks** reported via a touchscreen help minimize errors and enable easy and accurate job progress tracking
- **Stay connected**; 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
- **HP 3D Printing materials** provide optimal output quality and high reusability at a low cost per part
- **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

**PROCESSING STATION**

- **The HP Jet Fusion 3D build unit**—included within the printer—is moved on for cooling right after job completion, allowing a continuous printing process
- **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
- **No additional room for parts removal needed** with enclosed unpacking and material collection system, including a laminar hood

**SERVICES & SUPPORT**

- **HP 3D Solution Services** stand behind your business to maximize your uptime and productivity, with next-business-day onsite support and spare parts availability
- **HP 3DaaS Base**; convenient pay-per-use model, cost predictable model, a low commitment, to enhance running cost management and operation
- **HP SmartStream 3D Build Manager**; quickly and easily prepare your jobs for printing with all the elements you need
- **HP 3D API**; streamlined data access and automation across industrial management systems
- **HP Universal Build Manager powered by Dyndrite**; efficient, automated build preparation across your entire 3D printing fleet
- **Integration with industry-leading software solutions**

**HP Jet Fusion 4200 3D Processing Station with Fast Cooling**

Automated materials mixing and loading systems help streamline your workflow and reduce labor time

**SOLUTION**

- **Easy-to-use solution** that scales with your business; integrated end-to-end process that delivers both functional prototypes and final parts
- **HP 3D fusing and detailing agents** work with HP Multi Jet Fusion technology and materials to deliver quality, functional parts
- **Accurate thermal control** of every layer enables predictive corrections voxel by voxel
- **In-printer quality checks** reported via a touchscreen help minimize errors and enable easy and accurate job progress tracking
- **Stay connected**; 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
- **HP 3D Printing materials** provide optimal output quality and high reusability at a low cost per part
- **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

**FUSED SOLUITION PRINTER**

- **HP Jet Fusion 4200 3D Printer**
- **Software**
- **Materials**
- **Processing station**
- **Services & support**
- **Solution**
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.

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

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

Statements: Biocompatibility, 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 PA 12—strong, low-cost, quality parts

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

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

HP 3D High Reusability TPA enabled by Evonik

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

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

Material Certified for HP Jet Fusion 3D Printing

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 printers.
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.

**Girbau DY130 Dyeing Solution**

For more information, visit: [coloringsystem.girbau.com](http://coloringsystem.girbau.com)

---

### HP 3D Printing materials portfolio selection guide

<table>
<thead>
<tr>
<th>Stiffness</th>
<th>Impact resistance</th>
<th>Elongation</th>
<th>Dimensional capability</th>
<th>Level of detail</th>
<th>Flat part</th>
<th>Temperature resistance</th>
<th>Chemical resistance</th>
<th>Low moisture absorption</th>
<th>Lightweight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best</td>
<td>Good</td>
<td>Fair</td>
<td>Not recommended</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more information, visit: [hp.com/go/3Dmaterials](http://hp.com/go/3Dmaterials)

---

### HP 3D Solution Services

Working together through your digital manufacturing journey—HP 3D Solution Services

Whether you’re just starting out or you’re in full production, we’re here to help you successfully navigate your 3D printing adoption journey with a world-class service experience dedicated to making digital manufacturing—and new growth—a reality for your business.

**HP 3D Printing Prepare Services**

From preparing your site to installing and calibrating your equipment and printing your first parts to helping you explore the full potential of HP 3D Printing, we’ll get you started on the right track with HP 3D Printing Prepare Services.

**HP 3D Printing Care Services**

Your uptime is our top priority. From preventive maintenance to proactive, big-data driven analytics, we’re looking for every opportunity to help you improve the return on your investment through HP 3D Printing Care Services.

**HP 3D Printing Grow Services**

Accelerate your transformation with HP 3D Printing Grow Services, designed to help you grow, move into new materials, applications, and use cases, and further optimize your manufacturing processes.

HP 3D Professional Services—Accelerate your transformation to additive manufacturing (AM)

HP 3D Professional Services help organizations identify viable strategic opportunities, optimize design for breakthrough applications, and streamline manufacturing processes to enable mass customization and scale production.

**Adopt**

Identify new opportunities and advanced design techniques enabled with HP Multi Jet Fusion technology.

**Develop**

Look to improve your product positioning and market differentiation through innovation and new application development.

**Manufacture**

Optimize production processes through your additive manufacturing transformation journey.

Learn more at: [hp.com/go/3DProfessionalServices](http://hp.com/go/3DProfessionalServices)

---

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.

For more information, visit: [coloringsystem.girbau.com](http://coloringsystem.girbau.com)
Accelerate your move to HP 3D Printing with HP Integrated Financial Solutions

Leverage the latest technology to help accelerate your growth, profitability, and competitiveness. Partner with HP Integrated Financial Solutions 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 administration: bundle hardware and services into a single agreement
• Change as your requirements evolve, refresh every 3–5 years

Learn more at hp.com/go/3DIntegratedFinancialSolutions

In this business climate, there are many advantages to a “pay-as-you-go” business model when the focus is on outcomes. Capital expenses are transformed into operating expenses, spread over time. Paying on a usage basis puts the focus on your business results rather than equipment or transactions.

HP 3D as a Service (HP 3DaaS)6—Gain new levels of cost predictability with the flexibility to scale your business as you grow

Speed up your digital manufacturing transformation with HP 3DaaS:
• Predictable: usage-based price per successful build22 gives you certainty around your variable costs
• Convenient: gain new operational efficiencies by simplifying supplies ordering and inventory management
• Affordable: avoid up-front investment—and help align your costs directly with your revenue by paying monthly23

HP 3DaaS Base includes:
• Automatic replenishment of HP 3D supplies
• HP 3D Printing Care Services, including remote and onsite support
• Online dashboard for easy, convenient tracking of billing and usage

Contact your local HP sales representative for more information or learn more at hp.com/go/3DaaS

Financing and service offerings available through Hewlett-Packard Financial Services Company and its subsidiaries and affiliates (collectively HPFSC) in certain countries and is subject to credit approval and execution of standard HPFSC documentation. Rates and terms are based on customer’s credit rating, offering types, services and/or equipment type and options. Not all customers may qualify. Not all services or offers are available in all countries. Other restrictions may apply. HPFSC reserves the right to change or cancel this program at any time without notice.

Learn more at hp.com/go/3DIntegratedFinancialSolutions

Data courtesy of Materialise

Contact your local HP sales representative for more information or learn more at hp.com/go/3DaaS

Speed up your digital manufacturing transformation with HP 3DaaS:
• Predictable: usage-based price per successful build22 gives you certainty around your variable costs
• Convenient: gain new operational efficiencies by simplifying supplies ordering and inventory management
• Affordable: avoid up-front investment—and help align your costs directly with your revenue by paying monthly23

HP 3DaaS Base includes:
• Automatic replenishment of HP 3D supplies
• HP 3D Printing Care Services, including remote and onsite support
• Online dashboard for easy, convenient tracking of billing and usage

Contact your local HP sales representative for more information or learn more at hp.com/go/3DaaS

Financing and service offerings available through Hewlett-Packard Financial Services Company and its subsidiaries and affiliates (collectively HPFSC) in certain countries and is subject to credit approval and execution of standard HPFSC documentation. Rates and terms are based on customer’s credit rating, offering types, services and/or equipment type and options. Not all customers may qualify. Not all services or offers are available in all countries. Other restrictions may apply. HPFSC reserves the right to change or cancel this program at any time without notice.

Learn more at hp.com/go/3DIntegratedFinancialSolutions

Data courtesy of Materialise
## Technical specifications

### HP Jet Fusion 4200 3D Printer

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power performance</td>
<td>HP Multi Jet Fusion technology</td>
</tr>
<tr>
<td>Effective building volume</td>
<td>380 x 284 x 302 mm (15 x 11.2 x 11.8 in)</td>
</tr>
<tr>
<td>Building volume</td>
<td>380 x 284 x 302 mm (15 x 11.2 x 11.8 in)</td>
</tr>
<tr>
<td>Layer thickness</td>
<td>0.08 mm (0.003 in)</td>
</tr>
<tr>
<td>Job processing resolution (x, y)</td>
<td>600 dpi</td>
</tr>
<tr>
<td>Print resolution (x, y)</td>
<td>1200 dpi</td>
</tr>
</tbody>
</table>

### HP Jet Fusion 4200 3D Processing Station with Fast Cooling

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>2.6 kW (typical)</td>
</tr>
<tr>
<td>Consumption (w x d x h)</td>
<td>750 x 650 x 650 mm (24 x 27 x 24 in)</td>
</tr>
<tr>
<td>Network**</td>
<td>Gigabit Ethernet (10/100/1000Base-T), supporting the following standards:</td>
</tr>
<tr>
<td></td>
<td>IEEE802.3AP (PoE only), IEEE802.3 (PoE, ISO 9054).</td>
</tr>
<tr>
<td>Processor and memory</td>
<td>Intel® Xeon® Gold 6146 (2.7 GHz, up to 3.5 GHz)</td>
</tr>
<tr>
<td>Weight</td>
<td>300 kg (660 lb)</td>
</tr>
<tr>
<td>Processing station</td>
<td>40GBps (10GBase-T)</td>
</tr>
<tr>
<td>Loadout</td>
<td>811kg (1800 lb)</td>
</tr>
<tr>
<td>Shipping</td>
<td>542kg (1191 lb)</td>
</tr>
</tbody>
</table>

### Accessories

- HP SmartStream 3D Build Manager, Software included

### Recommended accessories

- HP-Ready-to-Print Solution
- HP Ready-to-Print Material
- HP Ready-to-Print Service
- HP 3D Solution Services

### Materials

- 3DTW0300 ESTANE® 3D TPU M95A 300L (160 kg)
- 3DTW0030 ESTANE® 3D TPU M95A 30L (16 kg)
- F9K08A HP 3D600 Printhead
- UB7R3E HP 3 Year NBD* Onsite HW Support
- UC0E9E HP 3D Part Quality Proficiency Training
- U9EK7E HP 3D Advanced Operation Training
- U9ZS7E HP 3D Ready-to-Print Service for HP Jet Fusion 4200 Series 3D Printer
- UB9V8E HP 3 Year NBD* Onsite HW Support with 24x7 Support
- UB9X6E HP 3 Year NBD* Onsite HW Support with Comprehensive Hardware Support
- UB4P2E HP Digital Manufacturing Site Readiness Assessment Tier 1 Service for HP Jet Fusion 5200/4200 Series 3D Printing Solutions
- UB1BE1E HP 3 Year NBD* Onsite HW Support Foundation and Production Care for HP Jet Fusion 5200/4200 Series 3D Printing Solutions

### Warranty & Service coverage

- One-year limited hardware warranty
- One-year limited software warranty
- One-year limited material warranty

## Ordering information

### HP Jet Fusion 4200 3D Printer

- M0P44B HP Jet Fusion 4200 3D Printer

- M0P45B HP Jet Fusion 4200 3D Build Unit

- M0P54B HP Jet Fusion 5200/4200 Series 3D External Tank in 180kg Bundle

- M0P54D HP Jet Fusion 4200 Series 3D External Tank Starter Kit

### HP 3D Solution Services

- LB14E2E HP Digital Manufacturing Site Readiness Assessment Tier 1 Service for HP Jet Fusion 5200/4200 Series 3D Printing Solutions
- U26X7E HP 3D-Ready-to-Print Service for HP Jet Fusion 5200/4200 Series 3D Printing Solutions
- U26XTE HP 3D-Advanced Operation Training Service (HP Training Center) for HP Jet Fusion 5200/4200 Series 3D Printing Solutions
- U26X5E HP 3D-Part Quality Proficiency Training Service for HP Jet Fusion 4200 Series 3D Printing Solutions
- LB183E HP Digital Manufacturing Site Readiness Assessment Tier 1 Service for HP Jet Fusion 5200/4200 Series 3D Printer
- LB182E HP 3 Year NBD* Onsite HW Support Foundation and Production Care for HP Jet Fusion 5200/4200 Series 3D Printing Solutions

### Additional Information

- *Business Day
- **Definitive Media Retention
- *** enamel compliant
- ****Ready-to-Print Solution
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 about HP Multi Jet Fusion technology at: hp.com/go/3DPrint

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/3DPrinter4200

1. Continuous printing requires an additional HP Jet Fusion 3D build unit (standard printer configuration includes one HP Jet Fusion 3D build unit).
2. 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/or consider related air quality regulations or testing that may be applicable.
3. Industry-leading surplus powder reusability based on using HP 3D High Reusability PA 11 and PA 12 at recommended packing densities and compared to selective laser sintering (SLS) technology, offers excellent reusability without sacrificing mechanical performance. Tested according to ASTM D638, ASTM D256, ASTM D790, and ASTM D648 and using a 3D scanner. Testing monitored using statistical process controls.
4. For advanced data features, charges may apply in the future.
5. Available in most countries, subject to Terms & Conditions of HP Limited Warranty and/or Service Agreement. Please consult your local sales representative.
6. HP 3DaaS Base is currently available in the US, Canada, Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and UK. Includes support and maintenance services, supplies, and long-term consumables.
8. Compatible software. Additional purchase required.
9. Supported additive processes: HP Multi Jet Fusion (polymers), binder jetting (polymers, metals, ceramics), powder bed fusion (DMLS/SLS/SHS (metal), EBM (metal), SLS (polymers), FDM (polymers), SLA/DLP (polymers), LOM (composites, ceramics, glass), CBAM (composites, glass, ceramics).
10. Testing according to ASTM D638, ASTM D256, and ASTM D648 using DFT at different loads with a 3D scanner for dimensional accuracy. Testing monitored using statistical process controls.
11. HP 3D High Reusability PA 11 powder is made with 100% renewable carbon content derived from castor plants grown without GMOs in arid areas that do not compete with food crops. HP 3D High Reusability PA 11 is made using renewable sources, and may be made together with certain non-renewable sources. A renewable resource is a natural organic resource that can be renewed at the same speed in which it is consumed. Renewable stands for the number of carbon atoms in the chain coming from renewable sources. In this case, castor seeds.
12. HP 3D High Reusability PA 12 material, and the powder reusability ratio recommended by manufacturer, and printing under certain build conditions and part geometries.
13. Based on internal testing and public data for solutions on market as of April, 2016. Cost analysis based on: standard solution configuration price, supplies price, and maintenance costs recommended by manufacturer. Cost criteria: printing 1.4 full build chambers of parts per day/5 days per week over 1 year of 30 cm³ parts at 10% packing density on Fast print mode using HP 3D High Reusability PA 12 material, and the powder reusability ratio recommended by manufacturer, and printing under certain build conditions and part geometries.
14. Compared to selective laser sintering (SLS) and fused deposition modeling (FDM) technologies, HP Multi Jet Fusion technology can reduce the overall energy requirements needed to attain full fusing and reduce the system requirements for large, vacuum-sealed ovens. In addition, HP Multi Jet Fusion technology uses less heating power than SLS systems for better material properties and material reuse rates, minimizing waste.
15. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability PA 12 Glass Beads provide up to 70% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and powder is tracked by generations (worst case for reusability).
16. Parts are then made from each generation and tested for mechanical properties and accuracy.
17. Nothing herein should be construed as constituting an additional HP warranty. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.