



## HP Jet Fusion 3D 3200 Printer (M0P41A)

Active as of 10/2/2017



### Overview

#### Reinvent how you prototype and produce functional parts

Welcome to a new era of 3D printing. HP Multi Jet Fusion technology enables production of functional parts, up to 10 times faster<sup>2</sup>, at the lowest cost<sup>3</sup>, and with no trade-offs in the process.

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.

<http://www.hp.com/go/learnaboutsupplies>

#### Additional resources

[Warranty Checker \(HP Inc\)](#)

[Partner Pricing Information](#)

#### Superior<sup>4</sup>, consistent part quality

Get extreme dimensional accuracy and fine detail<sup>4</sup>, thanks to HP's unique Multi-Agent printing process.

Produce truly functional parts with optimal mechanical properties<sup>5</sup>, faster.<sup>2</sup>

Obtain predictable, reliable final printed parts that match your design.<sup>6</sup>

Access new future materials and uncover new applications thanks to the HP Multi Jet Fusion Open Platform.

#### Breakthrough productivity

Produce more parts per day with continuous printing and fast cooling.<sup>2</sup>

Streamline your workflow with HP's automated materials preparation and post-processing station

Cleaner experience with an enclosed Processing Station and materials not classified as hazardous.<sup>7</sup>

Rely on HP's world-class Technical Services and Support to maximize uptime and productivity

#### Lowest cost per part<sup>3</sup>

Achieve lowest cost per part<sup>3</sup> and reduce operational costs, opening your doors to short-run manufacturing.

Benefit from a competitively-priced 3D printing solution.<sup>3</sup>

Optimize cost and part quality, with cost-efficient materials that offer industry-leading reusability.<sup>8</sup>

Plan production times more accurately and predictably, to help increase your overall operational efficiency.

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### Specifications

#### Print technology

HP Multi Jet Fusion technology

**Build size (W x D x H)**

16 x 12 x 16 in

**Building speed**

215 in<sup>3</sup>/hr

**Building speed footnote**

Based on 0.003-in layer thickness and 10 sec/layer

**Layer thickness**

0.003 to 0.004 in

**Print resolution (x,y)**

1200 dpi

**Minimum dimensions (W x D x H)**

85.7 x 48.7 x 57 in

**Operating area**

146 x 146 in

**Weight**

1609 lb

**Package dimensions (W x D x H)**

91 x 52 x 78 in

**Package weight**

1984 lb

**Network capabilities**

Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (IPv4 only), TLS/SSL

**Internal Storage**

2 TB (AES-128 encrypted, FIPS 140, disk wipe DoD 5220M)

**Software included**

HP SmartStream 3D Build Manager

HP SmartStream 3D Command Center

**Supported file formats**

3MF; STL

**Compatible third-party software**

Autodesk Netfabb with HP Engine, Materialise Magics with Materialise Build Processor for HP Multi Jet Fusion

**Power consumption**

9 to 11 kW (typical)

**Power**

Input voltage three phase 380 to 415 V (line-to-line), 30 A max, 50/60 Hz / 200 to 240 V (line-to-line), 48 A max, 50/60Hz

**Safety**

IEC 60950-1+A1+A2 compliant; United States and Canada (UL listed); EU (LVD and MD compliant, EN60950-1, EN12100-1, EN60204-1, and EN1010)

**Electromagnetic compatibility**

Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)

**Environmental certification**

RoHS, REACH

**Warranty**

One-year Services and Support coverage

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## Overview

- 2 Fast cooling is enabled by HP Jet Fusion 3D Processing Station with Fast Cooling. HP Jet Fusion 3D Processing Station with Fast Cooling accelerates parts cooling time versus recommended manufacturer time of selective laser sintering (SLS) printer solutions from \$100,000 USD to \$450,000 USD, as tested in April, 2016. Fused deposition modeling (FDM) not applicable. Continuous printing requires an additional HP Jet Fusion 3D Build Unit (standard printer configuration includes one HP Jet Fusion 3D Build Unit). Based on internal testing and simulation, HP Jet Fusion 3D average printing time is up to 10 times faster than average printing time of comparable FDM and SLS printer solutions from \$100,000 USD to \$300,000 USD on market as of April, 2016. Testing variables for the HP Jet Fusion 4210/4200/3200 Printing Solutions: Part quantity: 1 full build chamber of parts from HP Jet Fusion 3D at 20% of packing density versus same number of parts on above-mentioned competitive devices; Part size: 30 grams; Layer thickness: 0.08 mm/0.003 inches.
- 3 Based on internal testing and public data, HP Jet Fusion 3D 4200/3200 Printing Solutions average printing cost per part is half the average cost of comparable fused deposition modeling (FDM) and selective laser sintering (SLS) printer solutions from \$100,000 USD to \$300,000 USD 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 build chamber per day/5 days per week over 1 year of 30-gram parts at 10% packing density using HP 3D High Reusability PA 12 material, and the powder reusability ratio recommended by manufacturer.
- 4 Based on HP's unique Multi-Agent printing process. Extreme dimensional accuracy and fine detail within allowable margin of error. Based on dimensional accuracy of  $\pm 0.2$  mm/0.008 inches using HP 3D High Reusability PA 12 material, measured after sandblasting. See <http://www.hp.com/go/3Dmaterials> for more information on materials specifications.
- 5 Based on the following mechanical properties: Tensile strength at 48 MPa (XYZ), Modulus at 1700 - 1800 MPa (XYZ). ASTM standard tests with HP 3D High Reusability PA 12 material. See <http://www.hp.com/go/3Dmaterials> for more information on materials specifications.
- 6 Within allowable margin of error. Based on dimensional accuracy of  $\pm 0.2$  mm/0.008 inches using HP 3D High Reusability PA 12 material, measured after sandblasting. See <http://www.hp.com/go/3Dmaterials> for more information on materials specifications.
- 7 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. The HP powder and agents do not meet the criteria for classification as hazardous according to Regulation (EC) 1272/2008 as amended.
- 8 Industry-leading surplus powder reusability based on using HP 3D High Reusability 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 and MFI test using HDT at different loads with a 3D scanner for dimensional stability. Testing monitored using statistical process controls. Liters refers to the materials container size and not the actual materials volume. Materials are measured in kilograms.

## Brochure (6)

### Forecast 3D gets out in front of 3D manufacturing - A4

#### Partner and Channel

Testimonial about establish market leadership by leveraging 3D printing for parts manufacturing

### Forecast 3D gets out in front of 3D manufacturing - LS

#### Partner and Channel

Testimonial about establish market leadership by leveraging 3D printing for parts manufacturing

### HP Jet Fusion 3D Solution Services Portfolio For HP Jet Fusion 580/380 Color and 540/340 3D Printers - LS format

"Bring your ideas to life and boost your time-to-part with immediate access to support, affordable solution services, and comprehensive training to help you leverage HP's 3D color expertise. We're standing by with predictable support coverage designed to help you get the most out of your investment.

### HP Jet Fusion 3D Solution Services Portfolio For HP Jet Fusion 580/380 Color and 540/340 3D Printers - LS format

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### HP Preventive Maintenance Service

The Maintenance Kit Replacement Service offers a quick and professional service by HP-trained technicians.

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## Data sheet (29)

### Aging of PA12 powder: Chemical degradation and oxidation

Technical White paper with information about chemical degradation for HP 3D Printing materials

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Technical White paper with information about chemical degradation for HP 3D Printing materials

### HP 3D Powder container recycling instructions - A4 format

Quick reference card with recycling recommendations for HP 3D powder containers

### HP 3D Powder container recycling instructions - LS format

Quick reference card with recycling recommendations for HP 3D powder containers

### HP 4200 Jobs on the Fly Upgrade Service

Enables your 4200 Solution to receive jobs while printing at the same time

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Enables your 4200 Solution to receive jobs while printing at the same time

### HP 4210 Upgrade Service - A4 format

Enable your 4200 Solution to work with Bulk sized supplies for lower intervention rates and improving your Cost per Part

### HP 4210 Upgrade Service - LS format

Enable your 4200 Solution to work with Bulk sized supplies for lower intervention rates and improving your Cost per Part

### HP Deinstallation and Packing Service

HP De-installation and Packing Service provides complete management of the de-installation of your technical equipment, providing the appropriate packaging material for the HP Jet Fusion 3D solution(s) that are being de-installed.

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### HP Recertification Service

A service that will provide a change to customers to quickly return to HP Service standards when they are out of coverage due to expiration of Warranty or Support Service

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### HP Support Service

A data sheet that outlines 3D Printing Usage-Based Support Service details, providing information on how the service is delivered, service limitations and other requirements.

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### HP Support Service

Provides remote assistance and onsite support for your covered HP hardware and software, helping you to improve production uptime.

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Provides remote assistance and onsite support for your covered HP hardware and software, helping you to improve production uptime.

## HP Uptime Kit

Each HP Uptime Kit contains the most frequently needed replacement parts for your HP Jet Fusion 3D Printing Solution, based on HP's usage statistics and analysis. Having these kits on-hand ensures that a qualified onsite operator can install the new parts without delay. This reduces your time-to-repair, so your HP Jet Fusion 3D Printers, related accessories, and complementary systems are back up and running for maximum, optimized production without delay.

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## Installation, Introduction to Basic Operation Training and Ramp Up Bundle - A4 format

Confidently get your new HP Jet Fusion 3D printers and printing solutions up and running quickly and with minimal interruption to the business. HP Ready To Print Service provides fast and reliable installation of your new HP 3D printing equipment.

## Installation, Introduction to Basic Operation Training and Ramp Up Bundle - LS format

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## Technical note : The HP Multi Jet Fusion voxel - A4 version

Technical Note on what is a voxel

## Waste Profile Datasheet HP 3D600 & 3D700 Detailing & Fusing Agents - A4 version

Datasheet that explains the appropriate disposal methods for the products at the end of life.

## Waste Profile Datasheet HP 3D600 & 3D700 Detailing & Fusing Agents - LS version

Datasheet that explains the appropriate disposal methods for the products at the end of life.

## White Paper: Air Blasting post-process A4

Document containing particle release details of HP 3D Multi Jet Fusion technology

## White Paper: Air Blasting post-process LS

Document containing particle release details of HP 3D Multi Jet Fusion technology

## White Paper: Design and Printing guidelines A4

White paper explaining design and printing guidelines and best practices

## White Paper: Design and Printing guidelines LS

White paper explaining design and printing guidelines and best practices

## White paper: HP Jet Fusion 3D Cloud connection security A4

Technical White paper with information about Cloud connection security

## White paper: HP Jet Fusion 3D Cloud connection security LS

Technical White paper with information about Cloud connection security

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## Legal/environmental documentation (4)

### Biocompatibility Certificate HP 3D HR PA 12 - A4 version

HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D HR PA 12 have met the requirements of USP Class I-VI and US FDA's guidance for Intact Skin Surface Devices.

### Biocompatibility Certificate HP 3D HR PA 12 - LS version

HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D HR PA 12 have met the requirements of USP Class I-VI and US FDA's guidance for Intact Skin Surface Devices.

### Statement of Composition for Toy Applications for HP 3D HR PA 12 - A4 version

HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D HR PA 12 Statement of Composition for Toy Applications.

### Statement of Composition for Toy Applications for HP 3D HR PA 12 - LS version

HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D HR PA 12 Statement of Composition for Toy Applications.

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## Success story (7)

### LookReal Customer story - A4

#### Partner and Channel

How HP's 3D Printing Technology Enables Customization and Personalization in the Toy Industry

### LookReal Customer story - LS

#### Partner and Channel

How HP's 3D Printing Technology Enables Customization and Personalization in the Toy Industry

### Materialise takes 3D printing to end-part production - A4

#### Partner and Channel

Testimonial about to make 3D printing part of certified manufacturing workflows

## Materialise takes 3D printing to end-part production - LS

### Partner and Channel

Testimonial about to make 3D printing part of certified manufacturing workflows

## Reimagine Well: HP Virtual Reality utilizes immersive healing experiences to promote cancer patient wellbeing

California company uses HP Windows Mixed Reality Headsets and HP Sprout Pro PCs to evolve the cancer journey with experiential patient-directed "immersive healing experiences" and post-treatment enhanced learning.

## Sculpteo success story - A4

### Partner and Channel

How a Service Bureau and a Customer Mutually Benefit with HP's 3D Printing Technology

## Sculpteo success story - LS

### Partner and Channel

How a Service Bureau and a Customer Mutually Benefit with HP's 3D Printing Technology

## Technical white paper (2)




### Technical Guideline for Material Development with HP 3D Open Materials Platform

This technical guideline helps potential suppliers interested in developing suitable materials for HP MultiJet Fusion (MJF) technology through HP Open Materials Platform to select and develop materials.

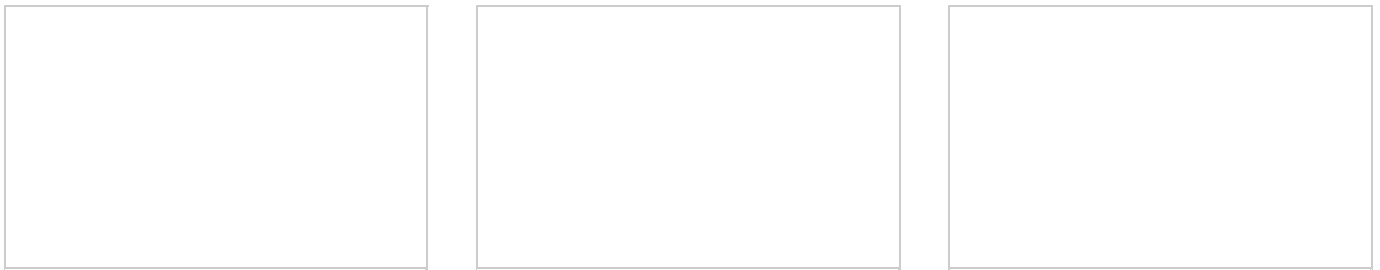
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## Images - Product (3)

		
<b>Center facing</b>	<b>Right facing</b>	<b>Right profile open</b>
<a href="#">54 x 41 (jpg)</a> <a href="#">54 x 41 (png)</a>	<a href="#">54 x 41 (jpg)</a> <a href="#">54 x 41 (png)</a>	<a href="#">54 x 41 (jpg)</a> <a href="#">54 x 41 (png)</a>
<a href="#">100 x 70 (jpg)</a> <a href="#">96 x 72 (jpg)</a>	<a href="#">100 x 70 (jpg)</a> <a href="#">96 x 72 (jpg)</a>	<a href="#">100 x 70 (jpg)</a> <a href="#">96 x 72 (jpg)</a>
<a href="#">96 x 72 (png)</a> <a href="#">99 x 74 (png)</a>	<a href="#">96 x 72 (png)</a> <a href="#">99 x 74 (png)</a>	<a href="#">96 x 72 (png)</a> <a href="#">99 x 74 (png)</a>
<a href="#">153 x 115 (png)</a> <a href="#">180 x 135 (png)</a>	<a href="#">153 x 115 (png)</a> <a href="#">180 x 135 (png)</a>	<a href="#">153 x 115 (png)</a> <a href="#">180 x 135 (png)</a>
<a href="#">240 x 180 (jpg)</a> <a href="#">240 x 180 (png)</a>	<a href="#">240 x 180 (jpg)</a> <a href="#">240 x 180 (png)</a>	<a href="#">240 x 180 (jpg)</a> <a href="#">240 x 180 (png)</a>
<a href="#">247 x 185 (png)</a> <a href="#">170 x 190 (jpg)</a>	<a href="#">247 x 185 (png)</a> <a href="#">170 x 190 (jpg)</a>	<a href="#">247 x 185 (png)</a> <a href="#">170 x 190 (jpg)</a>
<a href="#">257 x 193 (png)</a> <a href="#">320 x 240 (jpg)</a>	<a href="#">257 x 193 (png)</a> <a href="#">320 x 240 (jpg)</a>	<a href="#">257 x 193 (png)</a> <a href="#">320 x 240 (jpg)</a>
<a href="#">320 x 240 (png)</a> <a href="#">474 x 356 (png)</a>	<a href="#">320 x 240 (png)</a> <a href="#">474 x 356 (png)</a>	<a href="#">320 x 240 (png)</a> <a href="#">474 x 356 (png)</a>
<a href="#">513 x 385 (png)</a> <a href="#">400 x 400 (jpg)</a>	<a href="#">513 x 385 (png)</a> <a href="#">400 x 400 (jpg)</a>	<a href="#">513 x 385 (png)</a> <a href="#">400 x 400 (jpg)</a>
<a href="#">400 x 400 (png)</a> <a href="#">573 x 430 (png)</a>	<a href="#">400 x 400 (png)</a> <a href="#">573 x 430 (png)</a>	<a href="#">400 x 400 (png)</a> <a href="#">573 x 430 (png)</a>
<a href="#">800 x 600 (png)</a> <a href="#">1659 x 1246 (png)</a>	<a href="#">800 x 600 (png)</a> <a href="#">1659 x 1246 (png)</a>	<a href="#">800 x 600 (png)</a> <a href="#">1659 x 1246 (png)</a>
<a href="#">7943 x 4994 (png)</a> <a href="#">8216 x 5594 (jpg)</a>	<a href="#">7671 x 5662 (png)</a> <a href="#">8682 x 6458 (jpg)</a>	<a href="#">7535 x 5183 (png)</a> <a href="#">7800 x 5800 (jpg)</a>

## Images - Product in use (4)



HP Jet Fusion 3D 3200 Printer -  
Chain enviro image

HP Jet Fusion 3D 3200 Printer -  
Chain enviro image, blur  
background

HP Jet Fusion 3D 3200 Printer -  
Factory enviro image



HP Jet Fusion 3D 3200 Printer -  
Factory enviro image, view 2

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## Videos (2)

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### Search additional assets (Asset Hub)

#### [Search for additional assets](#)

This link is being provided as a convenience and for informational purposes only. HP Sales Central bears no responsibility for the accuracy, legality or content of the external site or for that of subsequent links. Contact the external site for answers to questions regarding its content.

## 3D Accessories

### HP 3D Accessories

Active

HP Jet Fusion 3D Build Unit

MOP45B



## 3D Materials and Consumables

### 3D Materials

Active	HP 3D High Reusability PA 11 30L (14 kg)	V1R12A
Active	HP 3D High Reusability PA 12 Glass Beads 30L (15 kg)	V1R11A
Active	VESTOSINT 3D Z2773 PA 12 30L (14 kg)	EVNV1R14A

## Detailed Specifications

### Accessories

HP Jet Fusion 3D Build Unit MOP45A, HP Jet Fusion 3D Processing Station MOP42A

### Build size (W x D x H)

16 x 12 x 16 in

### Build size (W x D x H)

406 x 305 x 406 mm

### Building speed

215 in<sup>3</sup>/hr

### Building speed

3500 cm<sup>3</sup>/hr

### Building speed footnote

Based on 0.003-in layer thickness and 10 sec/layer

### Building speed footnote

Based on 0.08-mm layer thickness and 10 sec/layer

### Code name

Tatooine Medium

### Compatible third-party software

Autodesk Netfabb with HP Engine, Materialise Magics with Materialise Build Processor for HP Multi Jet Fusion

### Electromagnetic compatibility

Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)

### Environmental certification

RoHS, REACH

### Internal Storage

2 TB (AES-128 encrypted, FIPS 140, disk wipe DoD 5220M)

### Layer thickness

0.003 to 0.004 in

### Layer thickness

0.08 to 0.10 mm

### Minimum dimensions (W x D x H)

2178 x 1238 x 1448 mm

### Minimum dimensions (W x D x H)

85.7 x 48.7 x 57 in

### Network capabilities

Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (IPv4 only), TLS/SSL

### Operating area

146 x 146 in

### Operating area

3700 x 3700 mm

### Package dimensions (W x D x H)

2300 x 1325 x 1983 mm

### Package dimensions (W x D x H)

91 x 52 x 78 in

### Package weight

1984 lb

### Package weight

900 kg

### Power

Input voltage three phase 380 to 415 V (line-to-line), 30 A max, 50/60 Hz / 200 to 240 V (line-to-line), 48 A max, 50/60Hz

### Power consumption

9 to 11 kW (typical)

**Print resolution (x,y)**

1200 dpi

**Print technology**

HP Multi Jet Fusion technology

**Product logos**

3MF; Co-financed by the Spanish Ministry of Industry, Energy and Tourism; materialise; Autodesk Netfabb; Windows 10 compatible

**Safety**

IEC 60950-1+A1+A2 compliant; United States and Canada (UL listed); EU (LVD and MD compliant, EN60950-1, EN12100-1, EN60204-1, and EN1010)

**Services (Care Pack)**

HP Installation and Introduction to Basic Operation U9EJ8E; HP Support Contracts (Next Business Day Onsite, Annual); HP 3 year HP Next Business Day Onsite Support U9EJ7E; HP Operator Training U9EK0E

**Software included**

HP SmartStream 3D Build Manager, HP SmartStream 3D Command Center

**Supported file formats**

3MF; STL

**Warranty**

One-year Services and Support coverage

**Web address for additional information**

<http://www.hp.com/go/jetfusion3D3200>

**Weight**

1609 lb

**Weight**

730 kg

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