



HP Jet Fusion 3D 4200 Printer (MOP44B)

Active as of 3/14/2017



Overview

Reinvent how you prototype and produce functional parts

Gain more control and deliver quality output at half the cost.² Look to HP Multi Jet Fusion technology to produce truly functional parts, up to 10 times faster¹, at a lower cost², 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](#)

Superior⁴, consistent part quality

Gain control with advanced/custom print modes for mechanical/functional/aesthetic properties, accuracy, speed.

Get truly functional parts with optimal mechanical properties⁵ and monitor part quality during printing.

Obtain predictable, reliable final printed parts that match your design.⁶

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.¹

Streamline your workflow with HP's automated materials mixing and processing station.

Cleaner experience with enclosed processing station and materials not classified as hazardous.⁷

Rely on HP's world-class HP Jet Fusion 3D Solution Services to maximize uptime and productivity.

Lower cost per part²

Achieve half the cost per part² and reduce operational costs, opening your doors to short-run manufacturing.

Benefit from a competitively priced 3D printing solution.²

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

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

Specifications

Print technology

HP Multi Jet Fusion technology

Build size (W x D x H)

16 x 12 x 16 in

Building speed

275 in³/hr

Building speed footnote

Based on 0.004-in layer thickness and 8 sec/layer

Layer thickness

0.0025 to 0.005 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

Overview

- 1 Fast cooling is enabled by HP Jet Fusion 3D Processing Station with Fast Cooling and is recommended only for HP 3D High Reusability PA 12 and HP 3D High Reusability PA 12 Glass Beads. 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 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: 30cm³; Layer thickness: 0.08 mm/0.003 inches.
- 2 Based on internal testing and public data, HP Jet Fusion 3D 4200 Printing Solution 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 cm³ 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. Excellent dimensional accuracy and fine detail within allowable margin of error. Based on dimensional accuracy of ± 0.2 mm/0.008 inches on XY for hollow parts below 100 mm/3.94 inches and $\pm 0.2\%$ for hollow parts over 100 mm/3.94 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 ± 0.2 mm/0.008 inches on XY for hollow parts below 100 mm/3.94 inches and $\pm 0.2\%$ for hollow parts over 100 mm/3.94 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, ASTM D256, ASTM D790, and ASTM D648 and using a 3D scanner for dimensional accuracy. Testing monitored using statistical process controls.

Brochure (10)

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 3D printing materials AMS version

Brochure that explains messaging and technical specifications of HP 3D printing materials

HP Jet Fusion 3D Printing Solutions - AMS version

Brochure that explains the whole HP Jet Fusion 3D printing technology, including messaging, benefits for HP Jet Fusion 3D 4210, 4200 printing solutions and HP Jet Fusion 580/380 color and 540/340 3D Printers

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

"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 Preventive Maintenance Service

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

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HP reinvents with 3D printing technology - A4 format

"Testimonial about the use of 3D printing to optimize the design and production of certain parts. "

HP reinvents with 3D printing technology - LS

"Testimonial about the use of 3D printing to optimize the design and production of certain parts. "

Data sheet (44)

Aging of PA12 powder: Chemical degradation and oxidation

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

Aging of PA12 powder: Chemical degradation and oxidation

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

HP 3D High Reusability PA 11 - AMS version

Datasheet that explains messaging and technical specifications of HP 3D High Reusability PA 11

HP 3D High Reusability PA 12 - AMS

Datasheet that explains messaging and technical specifications of HP 3D High Reusability PA 12

HP 3D High Reusability PA 12 Glass Beads - AMS version

Datasheet that explains messaging and technical specifications of HP 3D High Reusability PA 12 Glass Beads

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 Advanced Operation Training

HP Care Pack Services for HP Jet Fusion 3D Printing Solutions. The HP Operator Training course for HP Jet Fusion 3D Printing Solutions provides new operators with the basic skills needed to operate HP Jet Fusion 3D Printers and complementary products.

HP Advanced Operation Training - A4

HP Care Pack Services for HP Jet Fusion 3D Printing Solutions. The HP Operator Training course for HP Jet Fusion 3D Printing Solutions provides new operators with the basic skills needed to operate HP Jet Fusion 3D Printers and complementary products.

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 Jet Fusion 3D 4200 Printing Solution - AMS version

Datasheet that explains the whole HP Jet Fusion 3D printing technology, including messaging, benefits and technical specifications

HP Jet Fusion 3D 4210 Printing Solution AMS version

Datasheet that explains the HP Jet Fusion 3D 4210 printing technology, including messaging, go to manufacturing and technical specifications

HP Jet Fusion 3D Solution Services Portfolio

Boost your competitive advantage with HP Services, designed to maximize your HP Jet Fusion 3D printing uptime, productivity, and innovation and drive growth for your business. With exclusive HP installation, training, and support services, and our market-leading applications expertise, you can optimize your 3D printer performance, throughput, part quality, and yield.

HP Long Term Consumables Kit

HP Parts Kit for HP Jet Fusion 3D Printing Solutions

HP Long Term Consumables Kit

HP Parts Kit for HP Jet Fusion 3D Printing Solutions

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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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 and Basic Operation Service A4

HP Installation and Introduction to Basic Operation Service for HP Jet Fusion 3D Printing Solutions provides complete, fast and reliable installation of your new HP 3D printing equipment.

Installation and Introduction to Basic Operation LS

HP Installation and Introduction to Basic Operation Service for HP Jet Fusion 3D Printing Solutions provides complete, fast and reliable installation of your new HP 3D printing equipment.

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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Ramp-up Service I

HP Care Pack Services for HP Jet Fusion 3D Printing Solutions

Ramp-up Service I

HP Care Pack Services for HP Jet Fusion 3D Printing Solutions

Service portfolio brochure Letter Size - HP Technical Services and Support Portfolio

Boost your competitive advantage with HP Services, designed to maximize your HP Jet Fusion 3D printing uptime, productivity, and innovation and drive growth for your business. With exclusive HP installation, training, and support services, and our market-leading applications expertise, you can optimize your 3D printer performance, throughput, part quality, and yield.

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

Fact sheet (2)

RoHS REACH Certificate - A4

REACH and RoHS status of HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D HR PA 12

RoHS REACH Certificate - LS

REACH and RoHS status of HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D HR PA 12

Legal/environmental documentation (6)

Biocompatibility Certificate HP 3D HR PA 11- A4 version

HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 11 USP Class I-VI and FDA Intact Skin Surface Devices Certification

Biocompatibility Certificate HP 3D HR PA 11- LS version

HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 11 USP Class I-VI and FDA Intact Skin Surface Devices Certification

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.

Marketing material (4)

Get it now: HP Jet Fusion 3D 4200 Printing Solution for only \$5,150/month - LS version

Financial Services 3D flyer Get it now: HP Jet Fusion 3D 4200 Printing Solution for only \$5,150/month

Get it now: HP Jet Fusion 3D 4200 Printing Solution for only 4.640€/month - A4 version

Financial Services 3D flyer Get it now: HP Jet Fusion 3D 4200 Printing Solution for only 4.640€/month

How it works infographic - HP Jet Fusion 3D printing solution

Infographic that guides you through the end-to-end process

Technology infographic - HP Jet Fusion 3D printing solution

Infographic that shows how the technology key components and how together they redefine what 3D Printing can do.

Success story (28)

FICEP S3 reengineers paint machine with help from HP 3D Printing technology - A4 version

Partner and Channel

Application case study: How HP's 3D Printing technology enables parts that are lightweight, allowing faster movements with increased precision.

FICEP S3 reengineers paint machine with help from HP 3D Printing technology - LS version

Partner and Channel

Application case study: How HP's 3D Printing technology enables parts that are lightweight, allowing faster movements with increased precision.

Gimatic innovates more quickly and better serves its customers utilizing HP Multi Jet Fusion 3D printing technology - A4

Partner and Channel

Written case Gimatic: With HP's Jet Fusion 3D printing capabilities, Gimatic develops new products more quickly, gains a speed-to-market advantage, and wins more deals

Gimatic innovates more quickly and better serves its customers utilizing HP Multi Jet Fusion 3D printing technology - A4 version

Partner and Channel

Written customer case about Gimatic With HP's Jet Fusion 3D printing capabilities, Gimatic develops new products more quickly, gains a speed-to-market advantage, and wins more deals

HP's 3D Printing technology helps Biotec make products better, faster, and more affordably - A4 version

Partner and Channel

With help from HP's Multi Jet Fusion 3D printing technology, Biotec produces improved parts for its medical devices in less time and at a lower cost.

HP's 3D Printing technology helps Biotec make products better, faster, and more affordably - LS version

Partner and Channel

With help from HP's Multi Jet Fusion 3D printing technology, Biotec produces improved parts for its medical devices in less time and at a lower cost.

HP's 3D Printing technology helps nivellmedical improve its digital workflow and create a sustainable advantage - A4 version

Partner and Channel

With help from HP's Multi Jet Fusion technology, nivellmedical makes high-quality dental models faster and less expensively.

HP's 3D Printing technology helps nivellmedical improve its digital workflow and create a sustainable advantage - LS version

Partner and Channel

With help from HP's Multi Jet Fusion technology, nivellmedical makes high-quality dental models faster and less expensively.

HP's Multi Jet Fusion technology helps Biesse achieve it's forward thinking mission - A4

Partner and Channel

How HP's Multi Jet Fusion Technology foster's design freedom and improves speed-to-market, helping a maker of industrial equipment meet customer requirements more quickly and more profitably

HP's Multi Jet Fusion technology helps Biesse achieve it's forward thinking mission - LS

Partner and Channel

How HP's Multi Jet Fusion Technology foster's design freedom and improves speed-to-market, helping a maker of industrial equipment meet customer requirements more quickly and more profitably

HP's Multi Jet Fusion technology helps IAM 3D Hub develop the tools needed to automate assembly - A4 format

Partner and Channel

Application case study: HP's Multi Jet Fusion technology enables design freedom, allowing IAM 3D Hub to develop new robotic components and tooling to further automate Continental Spain S.A's, Assembly Operations

HP's Multi Jet Fusion technology helps IAM 3D Hub develop the tools needed to automate assembly - LS format

Partner and Channel

Application case study: HP's Multi Jet Fusion technology enables design freedom, allowing IAM 3D Hub to develop new robotic components and tooling to further automate Continental Spain S.A's, Assembly Operations

Jabil sees the future of manufacturing with HP 3D printing

Partner and Channel

Case study on how Jabil uses HP Multi Jet Fusion technology in order to stay competitive by speeding time to market for manufacturing customers

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Partner and Channel

Case study on how Jabil uses HP Multi Jet Fusion technology in order to stay competitive by speeding time to market for manufacturing customers

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

ProsFit collaborates with HP 3D technology to reinvent the prosthetics industry - A4 version

Partner and Channel

Using 3D scanning, proprietary software, and HP Jet Fusion 3D Printing, ProsFit supplies prosthetic clinics with a complete digital solution to help simplify fitting and improve the manufacturing of prosthetic limb sockets.

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

SIGMADESIGN Customer story - A4

Partner and Channel

How HP's 3D Printing Technology Lowers the Cost of Manufacturing Industrial Equipment. SIGMADESIGN Achieves Design Freedom at Low Volume with HP Multi Jet Fusion

SIGMADESIGN Customer story - LS

Partner and Channel

How HP's 3D Printing Technology Lowers the Cost of Manufacturing Industrial Equipment. SIGMADESIGN Achieves Design Freedom at Low Volume with HP Multi Jet Fusion

Thinking globally and acting locally: How HP's 3D printing technology helps iOrthotics develop products that benefit people everywhere - LS version

Partner and Channel

Leveraging HP's Multi Jet Fusion 3D Printing technology, iOrthotics manufactures new orthotic devices that offer higher quality more quickly, improving patient outcomes while also reducing waste.

Thinking globally and acting locally: How HP's 3D printing technology helps iOrthotics develop products that benefit people everywhere- A4 version

Partner and Channel

Leveraging HP's Multi Jet Fusion 3D Printing technology, iOrthotics manufactures new orthotic devices that offer higher quality more quickly, improving patient outcomes while also reducing waste.

With HP 3D printing, Invent Medical streamlines the production of custom orthotics and prosthetics - A4 version

Partner and Channel

Customer story Invent Medical: Invent Medical combines custom software with HP Jet Fusion 3D Printing Solutions to reinvent the production of orthotic and prosthetic devices.

With HP 3D printing, Invent Medical streamlines the production of custom orthotics and prosthetics - LS format

Partner and Channel

Customer case Invent Medical: Invent Medical combines custom software with HP Jet Fusion 3D Printing Solutions to reinvent the production of orthotic and prosthetic devices.

Technical white paper (18)

Automatic dyeing post-process for HP Jet Fusion 3D 4210/4200 Printing Solutions - A4 version

Partner and Channel

White paper about Automatic dyeing post-process. Recommended equipment; Girbau DY130 Coloring System; Laundry bags; Dye solution or powder; HP recommends TCN GTC 8211C black liquid dye

Automatic dyeing post-process for HP Jet Fusion 3D 4210/4200 Printing Solutions - LS version

Partner and Channel

White paper about Automatic dyeing post-process. Recommended equipment; Girbau DY130 Coloring System; Laundry bags; Dye solution or powder; HP recommends TCN GTC 8211C black liquid dye

How to complement CNC production with Multi Jet Fusion - A4 version

Partner and Channel

White paper about how to complement CNC production with Multi Jet Fusion

How to complement CNC production with Multi Jet Fusion - LS version

Partner and Channel

White paper about how to complement CNC production with Multi Jet Fusion

How To Control Manufacturing Efficiency: An OEE Approach - A4 version

Partner and Channel

This paper explain how to measure the OEE of the MJF technology. This document includes a detailed procedure explaining how to calculate the OEE in a production process where a HP 3D Jet Fusion 4200/4210 is used.

How To Control Manufacturing Efficiency: An OEE Approach - LS version

Partner and Channel

This paper explain how to measure the OEE of the MJF technology. This document includes a detailed procedure explaining how to calculate the OEE in a production process where a HP 3D Jet Fusion 4200/4210 is used.

HP Multi Jet Fusion parts waterproofness - A4 version

Partner and Channel

Some commercial products need to be waterproof, as they may have some internal components that have to be protected against water or other exterior exposure. In this paper it will be included all the information regarding how HP MJF parts can work as waterproof covers for several applications.

HP Multi Jet Fusion parts waterproofness- LS version

Partner and Channel

Some commercial products need to be waterproof, as they may have some internal components that have to be protected against water or other exterior exposure. In this paper it will be included all the information regarding how HP MJF parts can work as waterproof covers for several applications.

HP Multi Jet Fusion technology printed dies for paper embossing - A4 version

Partner and Channel

Paper embossing requires customized dies to bend the paper. Dies often have complex geometries, and they are produced in small runs so they have to be produced with advanced technologies like CNC or with acid etching, which is a very manual process. Replacing CNC-machined or acid etched dies with printed dies using HP Multi Jet Fusion technology provides a huge opportunity in terms of cost savings, simplicity, and time.

HP Multi Jet Fusion technology printed dies for paper embossing - LS version

Partner and Channel

Paper embossing requires customized dies to bend the paper. Dies often have complex geometries, and they are produced in small runs so they have to be produced with advanced technologies like CNC or with acid etching, which is a very manual process. Replacing CNC-machined or acid etched dies with printed dies using HP Multi Jet Fusion technology provides a huge opportunity in terms of cost savings, simplicity, and time.

Producing manufacturing aids with HP Multi Jet Fusion 3D Printing - A4 version

Partner and Channel

Technical White paper with information about: Innovative companies in the world are changing traditional CNC-manufactured aids to 3D-printed ones that allow them to have competitive advantages in manufacturing lines

Producing manufacturing aids with HP Multi Jet Fusion 3D Printing - LS version

Partner and Channel

Technical White paper with information about: Innovative companies in the world are changing traditional CNC-manufactured aids to 3D-printed ones that allow them to have competitive advantages in manufacturing lines

Streamlining machinery and production lines with HP Multi Jet Fusion 3D printing - A4 version

Partner and Channel

A whitepaper providing an overview of why HP MJF for machinery & production lines - including relevant use cases.

Streamlining machinery and production lines with HP Multi Jet Fusion 3D printing - LS version

Partner and Channel

A whitepaper providing an overview of why HP MJF for machinery & production lines - including relevant use cases.

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.

Technical Guideline for Material Development with HP 3D Open Materials Platform - A4 format

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.

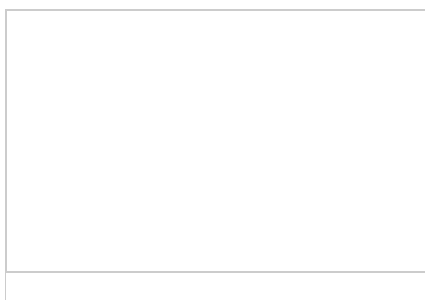
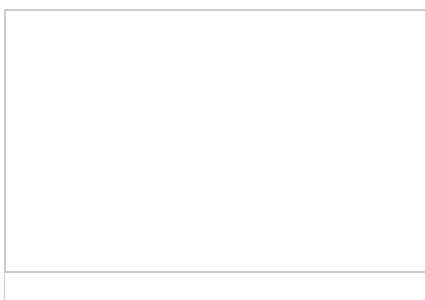
Technical White Paper - HP Metal Jet technology - A4 version

Technical White paper with information about HP's digital printing technology for metals.

Technical White Paper - HP Metal Jet technology - LS version

Technical White paper with information about HP's digital printing technology for metals.

Images - Product (2)



Center facing	
54 x 41 (jpg)	54 x 41 (png)
100 x 70 (jpg)	96 x 72 (jpg)
96 x 72 (png)	99 x 74 (png)
153 x 115 (png)	180 x 135 (png)
240 x 180 (jpg)	240 x 180 (png)
247 x 185 (png)	170 x 190 (jpg)
257 x 193 (png)	320 x 240 (jpg)
320 x 240 (png)	474 x 356 (png)
513 x 385 (png)	400 x 400 (jpg)
400 x 400 (png)	573 x 430 (png)
800 x 600 (png)	1500 x 1164 (jpg)
1659 x 1246 (png)	7942 x 4995 (png)
8216 x 5594 (jpg)	

Right facing	
54 x 41 (jpg)	54 x 41 (png)
100 x 70 (jpg)	96 x 72 (jpg)
96 x 72 (png)	99 x 74 (png)
153 x 115 (png)	180 x 135 (png)
240 x 180 (jpg)	240 x 180 (png)
247 x 185 (png)	170 x 190 (jpg)
257 x 193 (png)	320 x 240 (jpg)
320 x 240 (png)	474 x 356 (png)
513 x 385 (png)	400 x 400 (jpg)
400 x 400 (png)	573 x 430 (png)
800 x 600 (png)	1659 x 1246 (png)
1500 x 1261 (jpg)	7672 x 5664 (png)
8682 x 6458 (jpg)	

Images - Product in use (26)



HP Jet Fusion 3D 3200 Printer - Chain enviro image



HP Jet Fusion 3D 4200 Printer - Chain enviro image, blur background



HP Jet Fusion 3D 4200 Printer - Factory enviro image



HP Jet Fusion 3D 4200 Printer - Factory enviro image, view 2



HP Jet Fusion 3D 4200 Printer - Support and service image, a man and a woman talking standing next t



HP Jet Fusion 3D 4200 Printer - Support and service image, a man and a woman talking standing next t



HP Jet Fusion 3D 4200 Printer - Support and service image, a man and a woman talking standing next t



HP Jet Fusion 3D 4200 Printer - Support and service image, a man and a woman talking standing next t



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens and a woman talking and sharing



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens and a woman talking and sharing



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens and a woman talking standing nex



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens and a woman talking standing nex



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HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens and a woman talking standing nex



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens and a woman talking standing nex



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking standing next to a 3D Pr



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking standing next to a 3D Pr



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking standing next to a 3D Pr



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking standing next to a 3D Pr



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking standing next to a 3D Pr



HP Jet Fusion 3D 4200 Printer -



HP Jet Fusion 3D 4200 Printer -



HP Jet Fusion 3D 4200 Printer -

Support and service image, Two mens talking standing next to a 3D



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking standing next to a 3D Pr

Support and service image, Two mens talking standing next to a 3D



HP Jet Fusion 3D 4200 Printer - Support and service image, Two mens talking-one of them smiling- stan

Support and service image, Two mens talking standing next to a 3D

Videos (2)

Search additional assets (Asset Hub)

[Search for additional assets](#)

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3D Materials and Consumables

3D Materials

Active	HP 3D High Reusability PA 11 300L (140 kg)	V1R18A
Active	HP 3D High Reusability PA 11 30L (14 kg)	V1R12A
Active	HP 3D High Reusability PA 12 300L (130 kg)	V1R16A
Active	HP 3D High Reusability PA 12 Glass Beads 300L (150 kg)	V1R22A
Active	HP 3D High Reusability PA 12 Glass Beads 30L (15 kg)	V1R11A
Active	VESTOSINT 3D Z2773 PA 12 300L (140 kg)	EVNV1R17A
Active	VESTOSINT 3D Z2773 PA 12 30L (14 kg)	EVNV1R14A

HP Care Pack Services

3D Printing Care Pack Services

Active	HP 1 year Post Warranty NBD Onsite HW Support w/Defective Media Retention for HP Jet Fusion 3D 4200	U9EM0PE
Active	HP 1 year Post Wty 3rd Business Day onsite HW Support w/DMR for Jet Fusion 3D 4200 Printer (Offline)	UA4C5PE
Active	HP 1 year Post Wty Shared HW Support w/Parts NBD/DMR and 2 onsite visits for Jet Fusion 3D 4200	U9UA0PE
Active	HP 1 year Post Wty Shared HW Support w/Parts NBD/DMR/2 onsite visits/Training for JetFusion 3D 4200	U9UD2PE
Active	HP 2 year Next Business Day Onsite HW Support w/Defective Media Retention for HP Jet Fusion 3D 4200	U9EK3E
Active	HP 2 year Shared HW Support w/Parts NBD/DMR and 2 onsite visits for Jet Fusion 3D 4200 Printer	U9TZ6E
Active	HP 2 year Shared HW Support w/Parts NBD/DMR/2 onsite visits/Training for Jet Fusion 3D 4200 Printer	U9UC8E
Active	HP 3 year 3rd Business Day onsite Hardware Support w/DMR for Jet Fusion 3D 4200 Printer (Offline)	UA4C3E
Active	HP 3 year Next Business Day Onsite HW Support w/Defective Media Retention for HP Jet Fusion 3D 4200	U9EK4E
Active	HP 3 year Shared HW Support w/Parts NBD/DMR and 2 onsite visits for Jet Fusion 3D 4200 Printer	U9TZ7E
Active	HP 3 year Shared HW Support w/Parts NBD/DMR/2 onsite visits/Training for Jet Fusion 3D 4200 Printer	U9UC9E
Active	HP 3D Recertification Service for Jet Fusion 3D 4210/4200	U9ZH2E
Active	HP 4 year Next Business Day Onsite HW Support w/Defective Media Retention for HP Jet Fusion 3D 4200	U9HJ1E
Active	HP 4 year Shared HW Support w/Parts NBD/DMR and 2 onsite visits for Jet Fusion 3D 4200 Printer	U9TZ8E
Active	HP 4 year Shared HW Support w/Parts NBD/DMR/2 onsite visits/Training for Jet Fusion 3D 4200 Printer	U9UD0E
Active	HP 5 year 3rd Business Day onsite Hardware Support w/DMR for Jet Fusion 3D 4200 Printer (Offline)	UA4C4E
Active	HP 5 year Next Business Day Onsite HW Support w/Defective Media Retention for HP Jet Fusion 3D 4200	U9EQ5E
Active	HP 5 year Shared HW Support w/Parts NBD/DMR and 2 onsite visits for Jet Fusion 3D 4200 Printer	U9TZ9E
Active	HP 5 year Shared HW Support w/Parts NBD/DMR/2 onsite visits/Training for Jet Fusion 3D 4200 Printer	U9UD1E
Active	HP 6 months Priority Care Service for Multi Jet Fusion 3D 4200/4210/4210B printer	UA4G0E
Active	HP Installation w/Introduction to Basic Operation Service for HP Jet Fusion 3D Printer	U9EJ8E
Active	HP Jobs on the fly Service for 4200 upgrade	UA0B2E
Active	HP Ramp up Service for Jet Fusion 3D Solution (Type 1)	U9HQ4E
Active	HP Ready to Print Service for Multi Jet Fusion 3D 4200 and 4210	U9ZS7E
Active	HP Unpack Installation Service w/Introduction to Basic Operation for HP JF3D 42X0 Printer	UA4J0E

Detailed Specifications

Accessories

HP Jet Fusion 3D Build Unit MOP45B, HP Jet Fusion 3D 4200 Processing Station with Fast Cooling MOP49B, HP Jet Fusion 3D 4200 Processing Station with Fast Cooling MOP49C

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

275 in³/hr

Building speed

4500 cm³/hr

Building speed footnote

Based on 0.004-in layer thickness and 8 sec/layer

Building speed footnote

Based on 0.1-mm layer thickness and 8 sec/layer

Code name

Tatooine Production

Compatible third-party software

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

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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

0.0025 to 0.005 in

Layer thickness

0.07 to 0.12 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 U9EK5E; HP Support Contracts (Next Business Day Onsite, Annual); HP 3 year HP Next Business Day Onsite Support U9EK4E; HP Operator Training U9EK7E

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/jetfusion3D4200>

Weight

1609 lb

Weight

730 kg

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