HP Jet Fusion 5200 Series
3D Printing Solutions

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Unleash new growth and scale production with HP's most advanced plastics 3D printing solution

Ideal for mid-volume production environments producing over 200 parts per week[1]

Learn more at
hp.com/go/3DPrinter5200

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3DP Sales and Servicing

vertrieb@3d-produktionsdrucker.de
02408 / 9385 - 514

Weitere Informationen finden Sie unter:
www.3D-Produktionsdrucker.de

Manufacturing predictability

- Get quality—from fine detail and sharp edges to textures—and optimal yield at industrial-level OEE.
- Produce functional parts with best-in-class isotropy.
- Maximize your equipment uptime, with redundant components, preventive maintenance and support, and HP productivity services.

Breakthrough economics

- Best-in-class economics and productivity—ideal for production environments.

- Uniquely predictable and consistent print time for any type of part.
- Streamlined workflow and HP's most economical continuous 3D printing with automated materials mixing, enclosed processing station, and natural cooling unit.

Expand into new applications and markets

- Address more final part applications with new levels of repeatable accuracy and best-in-class economics.
- Produce applications with flexible, elastomeric properties with TPU material.[2]
- Deliver a breadth of applications for various markets with HP 3D High Reusability PA 11 and PA 12 materials today, and more in the future.[3]
- Address sustainability, with lower carbon footprint parts,[4] and HP 3D materials offering industry-leading reusability.[3]

Software solutions

HP 3D Process Control	HP 3D Center	HP SmartStream 3D Build Manager	Integration with industry-leading software partners
✓ Achieve dimensional accuracy and repeatability that rivals industrial tooling—faster. ✓ Flexibility and agility—without time- and labor-intensive injection molding fine-tuning steps.	✓ Track, manage, and optimize your 3D operations with software that provides remote, real-time monitoring; preventive notifications; and historical data analysis.	✓ Quickly and easily prepare your jobs for printing with all the elements you need.	**materialise** innovators you can count on Materialise Build Processor for HP Multi Jet Fusion technology **SIEMENS** Siemens NX AM for HP Multi Jet Fusion technology

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.[3]

HP 3D High Reusability PA 11—
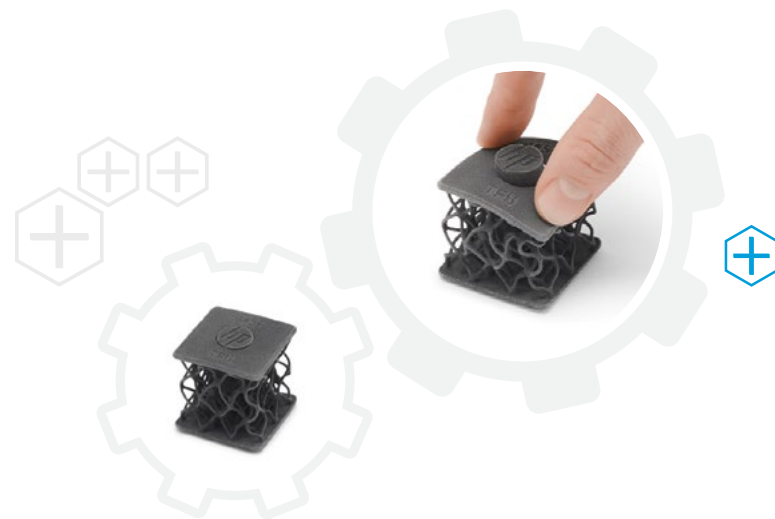## ductile,[5] quality parts

Produce functional parts with impact resistance and ductility.[5] This thermoplastic material, made from renewable sources,[6] provides optimal mechanical properties and consistent performance at industry-leading surplus powder reusability.[3]

Certifications: Biocompatability,[7] 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,[8] quality parts

Reduce total cost of ownership[9] and produce strong, functional, detailed complex parts with HP 3D High Reusability PA 12, a robust thermoplastic that enables industry-leading surplus powder reusability.[3]
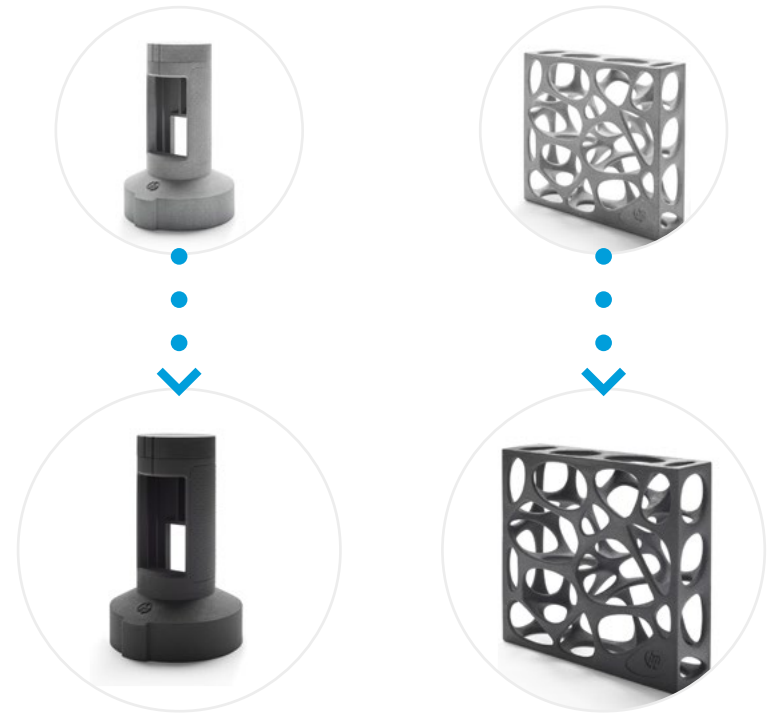
Certifications: Biocompatability,[7] REACH, RoHS (for EU, Bosnia-Herzegovina, China, India, Japan, Jordan, Korea, Serbia, Singapore, Turkey, Ukraine, Vietnam), PAHs, Statement of Composition for Toy Applications, UL 94 and UL 746A Certification

BASF Ultrasint™ 3D TPU01—
flexible, functional parts

Produce applications with flexible, elastomeric properties with this multipurpose TPU material* that achieves part accuracy with a balanced property profile.

* TPU material expected general availability end 2019.

HP 3D Printing materials portfolio selection guide

Usage and properties	HP 3D HR PA11	HP 3D HR PA12
Visual aids & presentation models	●	●
Functional prototyping	●	●
End-use parts	●	●
Dimensional stability	●	●
Functional rigid part (higher stiffness)	●	●
Ductile part (higher elongation at break)	●	●
Impact	●	●
HDT (heat deflection temperature)	●	●
Medical biocompatibility[7] (USP Class I-VI and US FDA guidance for Intact Skin Surface Devices)	●	●
Look and feel	●	●
Powder reusability ratio for stable performance/total cost of ownership (TCO)	●	●

● Excellent   ● Good   ● Fair

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

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For more information, visit:
coloringsystem.girbau.com

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.

HP 3D Printing Care Services
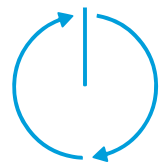
HP 3D Printing Lifecycle Services

HP 3D Printing Training Services

HP Digital Manufacturing Productivity Services

Explore new opportunities to scale production and accelerate growth with expert guidance and support from HP Jet Fusion 3D Solution Services. Maximize uptime, enhance operator knowledge and skill sets through training, and work with HP's productivity experts to achieve your digital manufacturing objectives. Gain expedited access to HP's experts for fast troubleshooting and return to full operating condition in the shortest possible timeframe.

- Set your business up for success with **HP Digital Manufacturing Productivity Services** that evaluate site readiness and provide best practices for production ramp up.
- You're in control with **HP 3D Printing Training Services** that help your staff improve part design, print quality and yield, troubleshooting, and performance.
- Rely on HP experts to perform installations, upgrades, relocations, and more with **HP 3D Printing Lifecycle Services**, so you can focus on your core business.
- Leverage remote and onsite support options through **HP 3D Printing Care Services**. Return your equipment to full operating condition faster with optional four-hour response.

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Technical specifications

HP Jet Fusion 5200 Series 3D Printers

Printer performance	Technology	HP Multi Jet Fusion technology
	Effective building volume	380 x 284 x 380 mm (15 x 11.2 x 15 in)
	Building speed[11]	Up to 5058 cm³/hr (309 in³/hr)
	Layer thickness	0.08 mm (0.003 in)
	Print resolution (x, y)	1200 dpi
Dimensions (w x d x h)	Printer	2210 x 1268 x 1804 mm (87 x 50 x 71 in)
	Shipping	2300 x 1325 x 2027 mm (91 x 52 x 80 in)
	Operating area	3700 x 3700 x 2500 mm (146 x 146 x 99 in)
Weight	Printer	880 kg (1940 lb)
	Build Unit	140.5 kg (309.7 lb)
	Shipping	1037.5 kg (2287 lb)
Network[12]		Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (IPv4 only), TLS/SSL
Hard disk		1TB HDD SED (AES-256 encrypted)
		1TB SDD SED (AES-256 encrypted), TGC-OPAL 2.01 compliant
Software		HP 3D Process Control, HP 3D Center, HP SmartStream 3D Build Manager
	Supported file formats	3MF, STL, OBJ, and VRML (v2.0)
	Certified third-party software	Autodesk® Netfabb® with HP Workspace, Materialise Build Processor for HP Multi Jet Fusion technology, Siemens NX AM for HP Multi Jet Fusion technology
Power	Consumption	12 kw[13]
	Requirements	380-415 V (line-to-line), 50 A max, 50/60 Hz 200-240 V (line-to-line), 80 A max, 50/60 Hz
Certification	Safety	IEC 60950-1+A1+A2 compliant; United States and Canada (UL listed); EU (LVD and MD compliant, EN 60950-1, EN 12100-1, EN 60204-1, and EN 1010)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
	Environmental	REACH
Warranty & service coverage included		One-year limited hardware warranty

HP Jet Fusion 5200 Series 3D Processing Stations

Features		Automated mixing, sieving, and loading; semi-manual unpacking; automated external storage tank
Dimensions (w x d x h)	Processing station	2990 x 934 x 2400 mm (117.7 x 36.8 x 94.5 in)
	Shipping	2389 x 1176 x 2182 mm (94 x 46.3 x 85.9 in)
	Operating area	3190 x 2434 x 2500 mm (125.6 x 95.8 x 99 in)
Weight	Processing station	485 kg (1069 lb)
	Loaded	814 kg (1795 lb)
	Shipping	620 kg (1366 lb)
Power	Consumption	2.6 kW (typical)
	Requirements	Input voltage single pase 200-240 V (line-to-line) 19 A max, 50/60 Hz (line-to-neutral) 14 A max, 50 Hz
Certification	Safety	UL 2011, UL508A, NFPA 70 / NFPA 79, C22.2 NO. 14-13 compliant; United States and Canada (UL listed); EU (MD compliant, EN 60204-1, EN 12100-1, EN 1127-1, EN-ISO 11201 and EN 1010)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
	Environmental	REACH
Warranty & service coverage included		One-year limited hardware warranty

For more information, please visit:
hp.com/go/3DPrinter5200
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Connect with an HP 3D Printing expert or sign up for the latest news about HP Jet Fusion 3D Printing:
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Windows 10 Compatible