HP Jet Fusion 5200 Series 3D

Automatic Unpacking Station

bechtle



Achieve consistent unpacking results through an automatic process with an industrial-grade solution.

Reduces post-processing labor[1]

- Ideal for unattended, fast unpacking of small-to-medium sized parts—allowing you to repurpose labor to other tasks within your workflow.
- Reduces manual handling of material powder during the unpacking process and reduces post-processing labor for each printed build.[1]

Increases build-to-build unpacking consistency[1]

- Reduces process variation between printed builds with consistent and operator-independent outcomes.
- Process can be optimized for a specific build design with the use of control knobs.

Enhances performance across your HP Multi Jet Fusion workflow

- Automatically unpacks full builds in as little as 20 minutes.[2]
- Enables the reclaim of more non-fused material powder for certain geometries.[3]
- Reduces time to part with hot parts unpacking for certain applications.[4]
- Includes remote process monitoring and historical data tracking via HP 3D Center software.

Technical specifications

Your HP Jet Fusion 5200 Series 3D Automatic Unpacking Station is an industrial solution that automates the unpacking process of reclaiming printed parts out of a build and the non-fused powder.
It is compatible with the HP Jet Fusion 5200 3D Natural Cooling Unit and HP Jet Fusion 5200 Series 3D Automatic External Tank. Unloading boxes are provided to collect the parts upon completion of the process.

FEATURES	Automatic unpacking; high-temperature unpacking; automated external storage tank; cooling unit as input, unloading box for part collection	
PRODUCT PERFORMANCE[5]	Effective build volume	380 x 284 x 380 mm (15 x 11.2 x 15 in)
	Process time	As fast as 20 minutes[2] Balanced unpacking mode[6]
PRODUCT COMPATIBILITY	HP Jet Fusion 5200 Series 3D Printing Solutions HP Jet Fusion 5400 Series 3D Priting Solution HP Jet Fusion 5600 Series 3D Priting Solution	
MATERIAL COMPATIBILITY[7]	HP 3D High Reusability PA 11 HP 3D High Reusability PA 12, enabled by Evonik HP 3D High Reusability PA 12 W HP 3D High Reusability PA 12 S, enabled by Arkema HP 3D High Reusability PA 12 FR, enabled by Evonik HP 3D High Reusability PA12 Glass Beads HP 3D High Reusability PP enabled by BASF	
DIMENSIONS (W X D X H)	Automatic unpacking station	2210 x 1000 x 1810 mm (87.0 x 39.4 x 71.3 in)
	Shipping	2300 x 1280 x 1990 mm (90.6 x 50.4 x 78.3 in)
	Operating area	4010 x 4000 x 2000 mm (157.9 x 157.5 x 78.7 in)
	Unloading box	600 x 400 x 270 mm (23.6 x 15.7 x 10.6 in)[8]
WEIGHT	Automatic unpacking station	650 kg (1433 lb)
	Shipping	875 kg (1929 lb)
POWER	Consumption	2 kW (typical)
	Requirements	400 V (line-to-line), 9A max, 50 Hz 480 V (line-to-line), 9A max, 60 Hz
COMPRESSED AIR REQUIREMENTS[9]	Minimum air pressure	6.8 ± 0.2 bar
	Minimum air flow	2500 liters per minute
CERTIFICATIONS AND STATEMENT	Safety	NFPA 79, EU (MD Compliant, EN 60204-1, EN ISO 12100-1, EN 1127-1, EN ISO 13849-1)
	Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
	Environmental statement	REACH compliant
ENVIRONMENTAL RANGES	Operating temperature	20-30° C (68-86° F)
	Operating humidity	40-80% without condensation 50-70% is extremely recommended for good operating conditions with PA 12
NETWORK[10]	Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (iPv4 only), TLS/SSL)	
WARRANTY & SERVICE COVERAGE INCLUDED	One-year limited hardware warranty	

Ordering information

PRODUCT	2W883A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station
PRODUCT ACCESSORIES	2M7W6A	HP Jet Fusion 5200 Series 3D Automatic External Tank
	4QG10A	HP Jet Fusion 5200 3D Natural Cooling Unit
RECOMMENDED THIRD-PARTY ACCESSORIES	Hovmand Forklift 5200	Please consult with your local HP Amplify 3D Printing Specialist
HP 3D LONG-TERM CONSUMABLES	8VJ68A	HP Jet Fusion 5200/4200 Series 3D Vacuum Pump Filter
	2X0E1A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station E-cabinet Fan Filter
	2X0E2A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station Pneumatic Filter
	2X0E3A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station Top Lid Filter



Learn more about HP Jet Fusion 5200 Series 3D Automatic Unpacking Station at: hp.com/go/3DPrinter5200

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/3DPrinter5200 and hp.com/go/3DPrinter5420W

1. Compared to the HP Jet Fusion 5200 Series 3D Printing Solution without the HP Jet Fusion 5200 Series 3D Automatic Unpacking Station, as of August, 2020. Total time savings depend on the build height, part geometry, packing density, and operator efficiency. Up to one full hour of labor savings per printed full build.
2. Use of balanced unpacking mode. Solution is compatible with the maximum build height of 380 mm (15 in). Duration can be set shorter by the end user.
3. Build designs containing small- to medium-sized parts with smooth part surfaces and without inner sections. Please contact your local HP sales representative to assess this specifically for your application. Compared to the HP Jet Fusion 5200 Series 3D Printing Solution without the HP Jet Fusion 5200 Series 3D Automatic Unpacking Station, as of August, 2020. The solution is compatible with HP 3D High Reusability PA 11, HP 3D High Reusability PA 12, HP 3D High Reusability PA 12 W, HP 3D High Reusability PA 12 Glass Beads, and HP 3D High Reusability PP enabled by Forward AM.
4. After the recommended minimum cooling time for the specific printed material. The minimum cooling time for a specific application highly depends on the part geometry and requirements. Please contact your local HP sales representative to assess this specifically for your application.
5. Performance is highly application-specific and depends on the build height, part geometry, packing density and part distances. Please contact your local HP Amplify 3D Printing Specialist to assess this specifically, for your application.
6. Assumes balanced unpacking profile. Job duration begins at the moment the job is selected to unpack at the control panel and ends at the time the parts are ready to be collected from the unloading area. Does not include part cleaning.
7. For compatibility with other materials in HP's portfolio, please contact your local HP Amplify 3D Printing Specialist.
8. Standard Euro container dimensions.
9. An air compressor or pressurized air line is required, and must be provided by the customer. A tube of 22 mm (.87 in) external diameter and 18 mm (.71 in) internal diameter should be connected from the air supply to the product. The minimum air quality should be ISO8573-1:2010 Class 4.4.3.
10. The HP Jet Fusion 3D Printing Solution should be connected to the HP Cloud in order to enable the correct functioning of the product and to offer better support.

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