



HP Metal Jet S100 Printing System
HP Metal Jet S100 Powder Processing
System
Product Documentation
Legal Information

SUMMARY

Legal information for your product

About this edition

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Legal notices

The information contained herein is subject to change without notice.

HP shall not be liable for technical or editorial errors or omissions contained herein.

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1 Documentation

A full set of manuals is provided with your equipment.

- Introductory information
- Limited warranty
- Legal information (this document)
- Site preparation guide
- User guide

2 About the cartridges

Dynamic security enabled equipment. 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.

For more information visit the HP website at the following link: <http://www.hp.com/go/learnaboutsupplies>.

This equipment is not designed to use continuous agent systems. To resume printing, remove the continuous agent system and install genuine HP (or compatible) cartridges.

This equipment is designed for cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause your equipment to fail. If this happens, insert a new cartridge (either genuine HP or compatible) to continue printing.

3 About processed materials

The material used by the equipment should meet the specific requirements.

Powder requirements

- Explosion characteristics acceptance criteria:
 - Minimum Ignition Temperature (MIT) 360°C or higher
 - Layer Ignition Temperature (LIT) 375°C or higher
 - Auto Ignition Temperature (AIT) 375°C or higher
 - Minimum Ignition Energy (MIE) 100 millijoules or higher at process temperature
 - Deflagration index (KST value) 200 bar-meters per second or less
 - ST grade 1 or less
- Minimum particle size (d10) > 2 micrometers
- Non-reactive with other materials or HP agents—see agent’s Material Safety Data Sheets (MSDS)
- Minimum Explosion Concentration (MEC) 350 grams per cubic meter or higher

The customer takes full responsibility for room layout, auxiliary equipment, personal protective equipment (PPE), housekeeping, and working procedures, among other safety aspects, when processing powder, unpacking parts, and refilling the build unit.

Users and operators must have formation concerning explosive atmospheres and associated hazards during cleaning operations, according to local laws and company requirements.

4 HP Software License Agreement

PLEASE READ CAREFULLY BEFORE USING THIS SOFTWARE PRODUCT.

This End-User License Agreement (“EULA”) is a contract between (a) you (either an individual or the entity you represent) and (b) HP that governs your use of the software product (“Software”). This EULA does not apply if there is a separate license agreement between you and HP or its suppliers for the Software, including a license agreement in online documentation. The term “Software” may include (i) associated media, (ii) a user guide and other printed materials, and (iii) “online” or electronic documentation (collectively “User Documentation”).

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- 11. **RESERVATION OF RIGHTS.** HP and its suppliers reserve all rights not expressly granted to you in this EULA.

5 Open-source software

Software with source code that anyone can inspect, modify, and enhance is included with this product.

Open source acknowledgments

We acknowledge the software developers of open-source projects that are used in our products.

- This product includes software developed by the Apache Software Foundation. For more information visit the Apache website at the following link: <http://www.apache.org/>.
- The source code, object code, and documentation in the com.oreilly.servlet package is licensed by Hunter Digital Ventures, LLC.
- This software is based in part on the work of the Independent JPEG Group.
- Regular expression support provided by the PCRE library package, which is open source software written by Philip Hazel, and copyright by the University of Cambridge, England. Source from File Transfer Protocol (ftp) at the following link: <ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre>.
- This software includes cryptographic software written by Eric Young (eay@cryptsoft.com).
- This product includes software developed by the University of Chicago, as Operator of Argonne National Laboratory.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. For more information visit the OpenSSL website at the following link: <http://www.openssl.org/>.

Open source written offer

The source code of the open-source software is available on request.

In accordance with the GNU General Public License, the SMAIL General Public License, and the Sleepy Cat software license, HP is providing you with this written offer to receive on a CD-R, at the cost of \$30, a complete machine-readable copy of the source code corresponding to all the code distributed to you under a GNU General Public License, SMAIL General Public License, and/or Sleepy Cat software licenses. You can request this CD-R from your local HP support representative; telephone numbers and email addresses can be found on the HP website at the following link: http://welcome.hp.com/country/us/en/wwcontact_us.html.

6 Environmental notices

HP is committed to providing quality products in an environmentally sound manner.

Environmental product stewardship program

HP is committed to providing quality products in an environmentally sound manner.

Design for recycling has been incorporated into this product. The number of materials has been kept to a minimum while ensuring proper functionality and reliability. Dissimilar materials have been designed to separate easily. Fasteners and other connections are easy to locate, access and remove using common tools. High-priority parts have been designed to access quickly for efficient disassembly and repair.

For more information, visit the HP Sustainable Impact website at the following link:
<http://www.hp.com/go/sustainability>.

Eco-tips

HP is committed to helping customers reduce their environmental footprint. HP provides eco-tips to help you focus on ways to assess and reduce the impact of your printing choices.

In addition to specific features in this product, see the HP Eco Solutions website at the following link:
<http://www.hp.com/go/sustainability> for more information on HP's environmental initiatives.

Safety data sheet

You can obtain the current safety data sheet for agents and powders used by the equipment.

You can get the safety data sheet from the HP website at the following link: <http://www.hp.com/go/msds>.

Plastics

Plastic parts over 25 grams are marked according to international standards that enhance the ability to identify plastics for recycling purposes at the end of product life.

Recycling program

HP offers an increasing number of product return and recycling programs in many countries/regions, and partners with some of the largest electronics recycling centers throughout the world. HP conserves resources by reselling some of its most popular products.

For more information regarding recycling of HP products, go to the HP website at the following link:
<http://www.hp.com/go/recycle>.

Battery disposal (California)

Take special care when disposing of the clock battery.

Attention California users: The real-time clock battery supplied with this product may contain perchlorate material. Special handling may apply when recycled or disposed of in California. See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>.

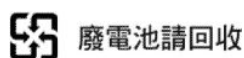
Atención a los usuarios de California: La pila del reloj en tiempo real proporcionada con este producto puede contener perclorato. Podría requerir manipulación especial cuando sea reciclada o desechada en California. Consulte <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/> para obtener más información.

Lithium battery

This HP product contains a lithium battery located on the main board that may require special handling at the end of its life.

Battery disposal (Taiwan)

There is a battery that requires special handling at the end of its life.



Battery directive (EU)

Do not attempt to dispose of the battery in this product yourself.



This product contains a battery that is used to maintain data integrity of real-time clock or product settings and is designed to last the life of the product. Any attempt to service or replace this battery should be performed by a qualified service technician.

Battery disposal (Netherlands)

Batteries are delivered with this product. When discharged, do not throw them away, but collect them as small chemical waste.



Bij dit product zijn batterijen geleverd. Wanneer de batterijen leeg zijn, dient u deze niet als huisvuil weg te gooien, maar als KCA in te leveren.

China restriction of hazardous substances

产品中有有害物质或元素的名称及含量

根据中国《电器电子产品有害物质限制使用管理办法》

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外盖和外壳	0	0	0	0	0	0
机械零件	0	0	0	0	0	0
机电配件	X	0	0	0	0	0
电子元器件	X	0	0	0	0	0
显示	X	0	0	0	0	0
灯(干燥, 固化, 定影等)	X	0	0	0	0	0
电缆	0	0	0	0	0	0
耗材(流体剂和粉末材料)	0	0	0	0	0	0
油墨输送系统	0	0	0	0	0	0
废物管理系统	0	0	0	0	0	0
成型缸	X	0	0	0	0	0
后期处理系统	X	0	X	0	0	0

本表格依据 SJ/T 11364 的规定编制。

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

此表中所有名称中含“X”的部件均符合欧盟 RoHS 立法。

注: 环保使用期限的参考标识取决于产品正常工作的温度和湿度等条件。

7 Regulatory notices

HP provides regulatory, safety, and environmental information regarding the relevant national and international regulations.

Regulatory Model Number

For regulatory identification purposes, your product is assigned a Regulatory Model Number.

This regulatory number should not be confused with the marketing name (HP Metal Jet S100) or marketing product numbers. The Regulatory Model Number for your product is:

- BCLAA-2202 HP Metal Jet S100 Printer
- BCLAA-2203 HP Metal Jet S100 Build Unit
- BCLAA-2204 HP Metal Jet S100 Curing Station
- BCLAA-2205 HP Metal Jet S100 Powder Management Station
- BCLAA-2206 HP Metal Jet S100 Powder Removal Station
- BCLAA-2207 HP Metal Jet Curing Cover

Sound

Noise-emission values are specified according to the product Regulatory Model Number.

BCLAA-2202 with BCLAA-2203

Sound Pressure Level measured per ISO 11202 at by-standing positions is < 70dB(A).

BCLAA-2204 with BCLAA-2203 and BCLAA-2207

Declared dual-number noise-emission values in accordance with ISO 4871:

- LpA = 71 dB(A)
- KpA = 5 dB

BCLAA-2205 with BCLAA-2203

Declared dual-number noise-emission values in accordance with ISO 4871:

- LpA = 73 dB(A)
- KpA = 5 dB

BCLAA-2206 with BCLAA-2203

Declared dual-number noise-emission values in accordance with ISO 4871:

- LpA = 71 dB(A)
- KpA = 5 dB

USA: Electromagnetic compatibility (EMC)


Electro-Magnetic compatibility (EMC) is the ability of your electrical equipment and systems to function acceptably in their electromagnetic environment.


FCC statements (U.S.A.)

The U.S. Federal Communications Commission (in 47 cfr15.105) has specified that the following notices be brought to the attention of users of this product.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Shielded cables: In order to meet Class A limits, the use of shielded IO cables is required.

 **CAUTION:** Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by the HP Company may cause harmful interference and void the FCC authorization to operate this equipment.

 **NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.

Canada: Electromagnetic compatibility (EMC)

Electro-Magnetic compatibility (EMC) is the ability of your electrical equipment and systems to function acceptably in their electromagnetic environment.

Normes de sécurité (Canada)

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe A prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

DOC statement (Canada)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

European Union (EMC)

All equipment is compliant with Class A of EN 61000-6-4.

Denmark

For tilslutning af de øvrige ledere, se medfølgende installationsvejledning.

Taiwan

Taiwan Class A statement.

為避免電磁干擾，本產品不應安裝或使用於住宅環境

China EMC

Electro-Magnetic compatibility (EMC) is the ability of your electrical equipment and systems to function acceptably in their electromagnetic environment.

在生活环境环境中，该产品工作时可能会造成无线电干扰

European Union regulatory notice

The CE marking indicates conformity to European standards.

Products bearing the CE marking comply with the following EU Directives:

- RED 2014/53/EU
- RoHs Directive 2011/65/EU
- Ecodesign Directive 1999/5/EC

Compliance with these directives implies conformity to applicable harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family and available (in English only) either within the product documentation or the HP website at the following link: <http://www.hp.com/go/certificates> (search with the product model name or its Regulatory Model Number (RMN), which may be found on the regulatory label). The compliance is indicated by one of the following conformity markings placed on the product:

CE compliance of this product is valid only if powered with the correct mains supply voltages specified by HP.

The HP Jet Fusion 5200 Series 3D Automatic Unpacking Station is specified to work in the wireless frequency band of 13.56 MHz.

- Frequency band(s) in which the radio equipment operates: 13.553 MHz-13.567 MHz.
- Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: less than 10 mW.

The point of contact for regulatory matters is HP Deutschland GmbH, HQ-TRE, Schickardstrasse 32, 71034 Böblingen, Germany.

Notice to users in Canada

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

⚠ WARNING! Exposure to radio-frequency radiation. The radiated output power of this device is below the Industry Canada radio-frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation.

To avoid the possibility of exceeding the Industry Canada radio-frequency exposure limits, human proximity to the antennas should not be less than 20 cm (8 in).

Note à l'attention des utilisateurs canadiens

Conformément au Règlement d'Industrie Canada, cet émetteur radioélectrique ne peut fonctionner qu'avec une antenne d'un type et d'un gain maximum (ou moindre) approuvé par Industrie Canada.

Afin de réduire le brouillage radioélectrique potentiel pour d'autres utilisateurs, le type d'antenne et son gain doivent être choisis de manière à ce que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas celle nécessaire à une communication réussie.

Cet appareil est conforme aux normes RSS exemptes de licence d'Industrie Canada. Son fonctionnement dépend des deux conditions suivantes : (1) cet appareil ne doit pas provoquer d'interférences nuisibles et (2) doit accepter toutes interférences reçues, y compris des interférences pouvant provoquer un fonctionnement non souhaité de l'appareil.

⚠ WARNING! Relatif à l'exposition aux radiofréquences. La puissance de rayonnement de cet appareil se trouve sous les limites d'exposition de radiofréquences d'Industrie Canada. Néanmoins, cet appareil doit être utilisé de telle sorte qu'il soit mis en contact le moins possible avec le corps humain.

Afin d'éviter le dépassement éventuel des limites d'exposition aux radiofréquences d'Industrie Canada, il est recommandé de maintenir une distance de plus de 20 cm entre les antennes et l'utilisateur.

Exposure to radio-frequency radiation

Be careful to minimize human contact with the device.

⚠ CAUTION: The radiated output power of this device is far below the FCC radio-frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized. This product and any attached external antenna, if supported, shall be placed in such a manner to minimize the potential for human contact during normal operation. In order to avoid the possibility of exceeding the FCC radio-frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 in) during normal operation.

Brazil ANATEL statement

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Aviso para los usuarios de México

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Para saber el modelo de la tarjeta inalámbrica utilizada, revise la etiqueta regulatoria de la impresora.

Korea

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

Notice to user in Taiwan

低功率電波輻射性電機管理辦法:

第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Notice to users in Japan

この機器は技術基準適合証明又は工事設計認証を受けた無線設備を搭載しています。