

HP Latex 3000 Printer Series

Site Preparation Guide

0 2015, 2017, 2018 HP Development Company, L.P.

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1 Introduction

System configuration

Your printer is supplied almost fully assembled and ready for the simple installation procedures described in detail in the installation guide. It comes complete with printheads and a printhead cleaner roll.

Documentation

The following manuals are provided with your printer, and can also be downloaded from http://www.hp.com/go/Latex3000/manuals/, http://www.hp.com/go/Latex3200/manuals/, http://www.hp.com/go/Latex3600/manuals/, http://www.hp.com/go/Latex3600/manuals/.

- Introductory information
- Limited warranty
- Legal information
- Site preparation guide
- Installation guide
- User guide

Site preparation overview

This guide should assist in the following planning considerations:

- Modifications to the installation area
- Site accessibility
- Emergency exits
- Planning the print production area
- Mechanical, electrical and environmental specifications
- Computer and network connectivity
- Contracting a specialist mover with a forklift and/or suitable moving equipment
- Contracting an electrician

ENWW System configuration

All information in this guide is provided on the assumption that installation planners and personnel are familiar with:

- Architectural and planning requirements
- Applicable laws, regulations and standards



NOTE: It is important to read the information provided in this quide thoroughly and ensure complete compliance with all installation and operation prerequisites, safety procedures, warnings, cautions, and local regulations.

Customer responsibility

Planning the site and printer environment

You are responsible for all preparations of the physical site, and you must complete the following tasks:

- Prepare the site for unloading. See <u>Unloading area on page 25</u>.
- Make sure the route from the unloading site to the installation site meets specifications. See Route from unloading site to installation site on page 25.
- Make sure you have the necessary equipment to handle the printer, as well as a specialist mover who is familiar with your site and the information provided in this guide. See Moving equipment on page 27.
- Meet the requirements for second floor installations (if necessary). See Above ground floor installation on page 29.
- Configure the building's electrical system used to power the printer to meet the printer's requirements and the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed. A qualified electrician is required to power up the printer on the day of installation. See Electrical configuration on page 6.
- Provide an adequate air supply for the pneumatic spindles. See Air supply requirements (pneumatic spindle) on page 13.
- Meet temperature and humidity requirements and ensure proper ventilation for the printer. See Ventilation on page 14 and Temperature and humidity on page 13.
- Supply all necessary emergency equipment. See Safety installations on page 17.
- Ensure that the room in which the system is installed meets local environmental, health, and safety (EHS) guidelines and regulations

RIP installation

If you have bought HP RIP software for your printer:

- You must ensure that a computer is available on which to install the RIP.
- For full functionality, you are recommended to ensure that the computer is connected to the Internet.
- You must ensure that the HP RIP software has arrived by the agreed date of printer installation.

If you have bought non-HP RIP software for your printer:



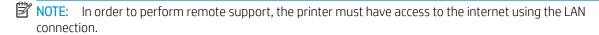
NOTE: This guide does not provide information about your RIP solution.

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- You must install the RIP on a suitable computer and ensure that it is fully functional by the agreed date of printer installation.
- For full functionality, you are recommended to ensure that the computer is connected to the Internet.
- You must ensure that a RIP specialist and a network specialist are present on the agreed date of printer installation.

Networking

You are responsible for all networking requirements, and you must complete the following tasks:



- Have an adequate network ready for the day of installation. See Computer and networking requirements on page 20.
- Provide a CAT-6 LAN cable to connect the printer to your LAN on the day of installation.

Printing supplies for testing and training

You are responsible for providing the following printing supplies:

- Seven ink cartridges, for the six colors and the optimizer (no cartridges are supplied with the printer)
- NOTE: In addition, you are recommended to have a second set of seven ink cartridges, four printheads, and one HP 881 Latex Cleaning Roll, in case any replacements are needed.
- Compressed air supply for the pneumatic spindle. See Air pressure supply on page 13.
- Some rolls of substrate for printing; preferably the substrate type that you plan to use most in future
- To test dual-roll printing, two rolls of max 1524 mm (63 in), max weight per roll 80 kg (176 lb).

Return the site preparation checklist

The checklist must be completed and returned to your reseller or service representative a minimum of two weeks before the day of installation.



NOTE: Any delays during installation that are caused by an unprepared site will be charged to the customer. Take care that your site is properly prepared to ensure a smooth and easy installation.

Recycle the disposable ink bag and HP 881 Latex Cleaning Roll

These items require disposal according to local regulations. For further information, please refer to the SDS document about your printer's ink, available from http://www.hp.com/hpinfo/community/environment/ productinfo/psis inkiet.htm.

Recycle the printheads

The printheads require disposal according to local regulations. For further information, please refer to the MSDS document about your printer's ink, available from http://www.hp.com/hpinfo/community/environment/ productinfo/psis_inkjet.htm. Within some countries covered by the 'HP Planet Partners Returns', HP is offering a recycling program. For full details of this program, please visit http://www.hp.com/recycle/.

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ENWW Customer responsibility

Dispose of liquid waste

Dispose of liquid waste in compliance with all applicable federal, state, and local regulations. Refer to "waste disposal" in the user guide. HP can provide a typical waste profile datasheet to assist you with disposal decisions.

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Site preparation

Planning for printer installation

This chapter covers the main topics related to efficient planning and preparation of the site. Take into consideration any structural modifications required and the time required for submission and approval of plans to the relevant local authorities. Secure temporary storage for the shipping crate prior to equipment installation may also be necessary.



All cables connected to the printer should be contained within suitable conduits; these may be overhead or channeled into the floor, as appropriate. Tripping over loose wires or cables can cause personal injury and/or damage to the equipment.

Installation time schedule

The best method to ensure a smooth and trouble-free installation process is proper site preparation. The following time schedule estimate is based on the assumption that all system components have been delivered in proper working order and all site preparation and planning requirements have been met and completed, in accordance with the specifications provided in this quide. The installation process is divided into two phases:

Table 2-1 Installation time schedule

| | Time to completion |
|---------------------------------------|-----------------------|
| Installation and system configuration | 4 full working days |
| Operation and maintenance training | 2.5 full working days |

Although the optimal time schedule requires approximately 4 working days, it may be necessary to schedule additional time for either phase. Please plan ahead for any special circumstances that may occur during the installation process, and do not plan for production during installation and training.

If the RIP software is bought from HP, the training will cover the normal use of the RIP. The following aspects of RIP usage will be covered:

HP Scitex ONYX Thrive 211 RIP

- RIP-Queue
- Configure the printer (Quickset, Device output, Media, Page size, Properties)
- Main items of the Job Editor (Printer and media selection, Preview and size, Tiling setup, Color correction, Print)

The Media Manager will not be covered.

HP Scitex CALDERA GRAND RIP V11

- Server Administration (Server, Configure, Connection)
- GrandRIP+ (Main, Tool, Settings)
- Spooler
- Image Work Directory (Image positioning and scale setting on the page, and so on)

Profile creation will not be covered.

System operation requirements

Electrical configuration

NOTE: An electrician is required for the setup and configuration of the building electrical system used to power the printer and also for printer installation. Make sure that your electrician is appropriately certified according to local regulations and supplied with all the information regarding the electrical configuration.

The HP Internal Print Server can be powered with a single-phase line that can be used with an Uninterruptible Power Supply (UPS). The UPS must be rated to meet the power requirements of the printer, and should be in accordance with the wiring standards of the country of installation.

The printer requires the following electrical components to be supplied and installed by the customer, according to the Electrical Code requirements of the local jurisdiction of the country of installation.



1. Uninterruptible Power Supply (UPS) for single-phase control line (optional)

- NOTE: The HP Internal Print Server power can be obtained by making a connection inside the electrical cabinet.
- 2. Power Distribution Unit (PDU) including single-phase branch circuit breaker (optional)
- 3. Power Distribution Unit (PDU) including three-phase or two-phase branch circuit breaker depending on the power configuration
- NOTE: Remember that you are required to follow the local laws, regulations, and standards that apply to the electrical installation of your printer.
- NOTE: The printer is not supplied with any power cable.

Power distribution unit (PDU)

The PDU must be rated to meet the power requirements of the printer, and should be in accordance with the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed.

Power specifications

NOTE: If you purchased a Jumbo Roll Solution, check electrical specifications. See Additional electrical configuration for the jumbo roll units on page 11.

Configuration 1: 380–415 V line-to-line three-phase configuration

Table 2-2 Three-phase specifications

| Number of power wires | 5 (L1/L2/L3/N/PE) |
|----------------------------------|-------------------|
| Input voltage (line-to-line) | 380-415 V~ (±10%) |
| Input frequency | 50/60 Hz |
| Power consumption (typical) | 9–11 kW |
| Maximum load current (per phase) | 35 A |

Table 2-3 Branch circuit breaker specifications

| hree-phase | 4 poles, 40/50 A |
|------------|------------------|

Table 2-4 AC three-phase power cable specifications

| Configuration | 5 wires, L1/L2/L3/N/PE |
|-------------------------|--|
| Wire | Strained Cu minimum, 10 mm² or 8 AWG |
| Terminals | Lines, ferrule terminals, PE, M8 ring terminal |
| External diameter range | 22.0–33.0 mm |

Configuration 2: 200–240 V line-to-line three-phase configuration

Table 2-5 Three-phase specifications

| Number of power wires) | 4 (L1/L2/L3/PE) |
|----------------------------------|-----------------|
| Input voltage (line-to-line) | 200-240V (±10%) |
| Input frequency | 50/60 Hz |
| Power consumption (typical) | 9–11 kW |
| Maximum load current (per phase) | 56 A |

Table 2-6 Branch circuit breaker specifications

| Three-phase | 3 poles, 63/70 A | |
|-------------|------------------|--|
|-------------|------------------|--|

Table 2-7 AC three-phase power cable specifications

| Configuration | 4 wires, L1/L2/L3/PE |
|-------------------------|--|
| Wire | Strained Cu minimum, 10 mm² or 6 AWG |
| Terminals | Lines, ferrule terminals, PE, M8 ring terminal |
| External diameter range | 22.0–33.0 mm |

Configuration 3: 380–415 V line-to-line three-phase configuration with single-phase control

Table 2-8 Specifications

| | Three-phase line | Single-phase control |
|----------------------------------|-------------------|----------------------|
| Number of power wires | 5 (L1/L2/L3/N/PE) | 3 (L/N/PE) |
| Input voltage (line-to-line) | 380-415 V~ (±10%) | 100-240 V (±10%) |
| Input frequency | 50/60 Hz | 50/60 Hz |
| Power consumption (typical) | 9–11 kW | 0.5 kW |
| Maximum load current (per phase) | 35 A | 10 A |

Table 2-9 Branch circuit breaker specifications

| Three-phase | 4 poles, 40/50 A |
|-------------------|---------------------|
| Two-phase control | 2 poles, 15/16/20 A |

Table 2-10 AC Power cable specifications

| | Three-phase line | Single-phase line |
|---------------|--------------------------------------|--|
| Configuration | 5 wires, L1/L2/L3/N/PE | 3 wires, L/N/PE |
| Wire | Strained Cu minimum, 10 mm² or 8 AWG | Strained Cu minimum, 1.5 mm² or 16 AWG |

Table 2-10 AC Power cable specifications (continued)

| | Three-phase line | Single-phase line |
|-------------------------|--|--|
| Terminals | Lines, ferrule terminals, PE, M8 ring terminal | Lines, ferrule terminals, PE, M4 ring terminal |
| External diameter range | 22.0–33.0 mm | 5.0–11.0 mm |

Configuration 4: 200–240 V line-to-line three-phase configuration with single-phase control

Table 2-11 Specifications

| | Three-phase line | Single-phase control |
|----------------------------------|------------------|----------------------|
| Number of power wires | 4 (L1/L2/L3/PE) | 3 (L/N/PE) |
| Input voltage (line-to-line) | 200-240 V (±10%) | 100-240 V (±10%) |
| Input frequency | 50/60 Hz | 50/60 Hz |
| Power consumption (typical) | 9–11 kW | 0.5 kW |
| Maximum load current (per phase) | 56 A | 10 A |

Table 2-12 Branch circuit breaker specifications

| Three-phase | 3 poles, 63/70 A |
|-------------------|---------------------|
| Two-phase control | 2 poles, 15/16/20 A |

Table 2-13 AC Power cable specifications

| | Three-phase line | Single-phase line |
|-------------------------|--|--|
| Configuration | 4 wires, L1/L2/L3/PE | 3 wires, L/N/PE |
| Wire | Strained Cu minimum, 10 mm² or 6 AWG | Strained Cu minimum, 2.5 mm² or 16 AWG |
| Terminals | Lines, ferrule terminals, PE, M8 ring terminal | Lines, ferrule terminals, PE, M4 ring terminal |
| External diameter range | 22.0-33.0 mm | 5.0-11.0 mm |

Configuration 5: 240 V line-to-line single-phase configuration

NOTE: Three-phase power provides a more efficient means of supplying large electrical loads than single-phase power, which is common in offices and homes. Connect single-phase if no three-phase power is available.

Table 2-14 Single-phase specifications

| Number of power wires | 3 (L1/L2/PE) |
|----------------------------------|--------------|
| Input voltage (line-to-line) | 240 V (±10%) |
| Input frequency | 50/60 Hz |
| Power consumption (typical) | 9–11 kW |
| Maximum load current (per phase) | 72 A |

Table 2-15 Branch circuit breaker specifications

| · · · |
|-------|
|-------|

Table 2-16 AC single-phase power cable specifications

| Configuration | 3 wires, L1/L2/PE |
|-------------------------|--|
| Wire | Strained Cu minimum, 4 AWG |
| Terminals | Lines, ferrule terminals, PE, M8 ring terminal |
| External diameter range | 22.0–33.0 mm |

Configuration 6: 240 V line-to-line single-phase configuration with single-phase control



NOTE: Three-phase power provides a more efficient means of supplying large electrical loads than singlephase power, which is common in offices and homes. Connect single-phase if no three-phase power is available.

Table 2-17 Specifications

| | Two-phase line | Single-phase control |
|----------------------------------|----------------|----------------------|
| Number of power wires | 3 (L1/L2/ PE) | 3 (L/N/PE) |
| Input voltage (line-to-line) | 240 V (±10%) | 100-240 V (±10%) |
| Input frequency | 50/60 Hz | 50/60 Hz |
| Power consumption (typical) | 9–11 kW | 0.5 kW |
| Maximum load current (per phase) | 72 A | 10 A |

Table 2-18 Branch circuit breaker specifications

| Two-phase line | 2 poles, 90 A |
|-------------------|---------------------|
| Two-phase control | 2 poles, 15/16/20 A |

Table 2-19 AC power cable specifications

| | Two-phase line | Single-phase control |
|-------------------------|--|--|
| Configuration | 3 wires, L1/L2/ PE | 3 wires, L/N/PE |
| Wire | Strained Cu minimum, 4 AWG | Strained Cu minimum, 1.5 mm² or 16 AWG |
| Terminals | Lines, ferrule terminals, PE, M8 ring terminal | Lines, ferrule terminals, PE, M4 ring terminal |
| External diameter range | 22.0–33.0 mm | 5.0–11.0 mm |

If your facilities do not provide the required AC 400VAC line-to-line voltage additional transformer equipment may be needed.

Additional electrical configuration for the jumbo roll units

Each jumbo unit requires an independent power line, complaint with the following specifications:

Table 2-20 Three-phase specifications:

| | Jumbo unit |
|----------------------------------|-----------------|
| Number of power wires | 4 (L1/L2/L3/PE) |
| Input voltage (line-to-line) | 400 V (±10%) |
| Input frequency | 50/60 Hz |
| Power consumption (typical) | 2.5 kW |
| Maximum load current (per phase) | 6 A |

Table 2-21 Branch circuit breaker specifications

Table 2-22 AC three-phase power cable specifications

| | Jumbo input/output units |
|-------------------------|----------------------------|
| Configuration | 4 (L1/L2/L3/PE) |
| Wire | 2.5 mm² or 14 AWG per unit |
| Terminals | Lines/Ferrule terminals |
| External diameter range | 2.5 mm or 14 AWG |

Circuit breakers (required)

The circuit breakers must meet the requirements of the printer and should be in accordance with the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed.

The printer requires one or two branch circuit breakers, depending on the installation.



NOTE: The printer has built-in Residual-Current Circuit Breakers (RCCB), also known as Ground Fault Circuit Interrupters (GFCI), with 30 mA sensitivity. If local laws require an external RCCB or GFCI for earth fault protection, install a device with sensitivity of 100 mA or higher, with appropriate rated current for the supply configuration, and ensure that other protective devices for earth fault protection upstream from the one supplying the printer are always greater than the one selected for the printer.

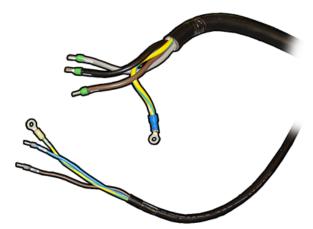
MARNING! The rated short-circuit breaking capacity of the circuit breakers in the printer is 6 kA. This shall be coordinated with the branch circuit breaker in PDU (Power Distribution Unit) if so required by the Electrical Code of the local jurisdiction.

MARNING! Ensure that the printer's built-in Residual-Current Circuit Breakers (RCCB) or Ground Fault Circuit Interrupters (GFCI) operate in the case of a current leakage fault to the product chassis, even when an isolation device (such as an isolating transformer) will be used to supply power to the printer.

IMPORTANT: Residual-Current Circuit Breakers (RCCB) leak current must be higher than 100mA.

Power cables

No power cable is provided with the printer. The cables that you use must meet the minimum specifications for the chosen configuration explained for each configuration.



PE connections for mains power should be made through an M8 stub.

The power cable for PC power can be routed from above the right of the top cover; it can be routed from the ceiling.

Powerline disturbances

Reliable operation of your printer depends on the availability of relatively noise-free AC power.

- In order to ensure optimum performance and reliability, your printer should be protected from variations in line voltage, which are common to production printing environments. Lighting, line faults, or the power switching commonly found in machinery in factory environments can generate line transients that far exceed the peak value of the applied voltage. If not reduced, these micro-second pulses can disrupt system operation.
- If the power line supplying the installation site is a public low voltage line shared with other users, the power line impedance Zmax must be less than 93 m Ω , to comply with European standard EN/IEC 61000-3-12. If other users on the same power line report any flickering of incandescent light bulbs, contact your electricity supplier to verify that the power network has an impedance lower than the one specified above.
- It is recommended to include overvoltage (OVP) and transient protection on the power supply to the printer.
- All electrical noise generating equipment, like fans, fluorescent lighting, and air-conditioning systems, should be kept separate from the power source used for your printer.

Grounding

The printer must be connected to a good quality, dedicated ground line in order to avoid electrical risk. Please note your obligation to comply with the National Electrotechnical Code (NEC) in the county of installation.

The following grounding tasks must be fulfilled to meet the site preparation requirements:

- Grounding wires should be insulated and at least equal in size to the phase conductors.
- Ground impedance must be less than 0.5 Ω .

- The installation of a single point and dedicated ground.
- Power stabilizer equipment that is supplied by three uninterrupted phase wires and one uninterrupted copper ground wire from the main building service panel. These should run in the same conduit and should be at least equal in size to the phase wires.

Air supply requirements (pneumatic spindle)

Air pressure supply

The pneumatic spindle requires an air compressor or pressurized air line that must be provided by the customer.

TIP: HP recommends that you use an air compressor with a pressure gauge that measures in bars.

Table 2-23 Air supply specifications

| | Specification |
|---------------------------|--|
| Air pressure | 5.5 bar (80 psi) (required) |
| Minimum airflow | 30 liters/minute (1.06 cubic feet/minute) |
| Lubricator (not required) | Not recommended |
| Air filter (recommended) | Recommendation: 5 µm, auto-drain, 99.97% coalescing efficiency |
| Regulator (required) | Regulator with pressure gauge |

Pneumatic connector

The printer comes with an air gun that you must attach to your air supply. In order to connect your air supply to the air gun, you must meet the following requirements:

- 6.35 mm (0.25 in) female connector, BSP or NPT thread
- PTFE tape to secure the connection and prevent air leaks

Room and spacial requirements

Temperature and humidity

The temperature, humidity, and temperature gradient during operation and during storage must be kept within the standard ranges to ensure the correct operation of the printer. Failure to keep these environmental conditions within the standard ranges may cause image quality problems or damage sensitive electronic components.

Table 2-24 Printer environmental specifications

| | Temperature range | Humidity range7 | Temperature gradient |
|-------------------------------------|-------------------------|-----------------------------|-------------------------|
| Operating for optimal print quality | 20 to 25°C (68 to 77°F) | 30 to 60% Relative Humidity | 10°C/h (50°F/h) or less |
| Operating for standard printing | 15 to 30°C (59 to 86°F) | 20 to 70% Relative Humidity | 10°C/h (50°F/h) or less |

Table 2-24 Printer environmental specifications (continued)

| | Temperature range | Humidity range7 | Temperature gradient |
|--|----------------------------|--|-------------------------|
| Not operating (in transport or storage), ink in tubes | 5 to 55°C (41 to 131°F) | 90% Relative Humidity at 55°C (131°F) | 10°C/h (50°F/h) or less |
| Not operating (in transport or storage), no ink in tubes | −25 to 55°C (−13 to 131°F) | 90% Relative Humidity at 55°C (131°F) | 10°C/h (50°F/h) or less |

Maximum operating altitude: 3000 m (10000 ft)

In addition to controlling the temperature, humidity, and temperature gradient, there are other environmental conditions that must be met during site preparation.

- Do not install the printer where it will be exposed to direct sunlight or a strong light source.
- Do not install the printer in a dusty environment. Remove any accumulated dust before moving the printer into the area.

Ventilation

Ensure that the room in which the system is installed meets local environmental, health, and safety (EHS) guidelines and regulations.

Fresh air ventilation is needed to maintain comfort levels. For a more prescriptive approach to adequate ventilation, you could refer as guidance to the latest edition of the ANSI/ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) document Ventilation for "Acceptable Indoor Air Quality".

Adequate ventilation needs to be provided to ensure that potential airborne exposure is adequately controlled according to Safety Data Sheets. Consult the Safety Data Sheets available at http://www.hp.com/go/msds to identify chemical ingredients of your ink consumables. Airborne materials can be readily identified and quantified by using established indoor air quality testing protocols. HP performs these assessments during the development phase for all products. HP testing shows that during printer operation, the concentrations of airborne contaminants measured in the workspace are consistently well below key occupational exposure limits. This observation is based on exposure assessments that model very active productivity at customer facilities. Customers should recognize that actual levels in their facilities are dependent on workspace variables they control such as room size, ventilation performance and duration of equipment use.

HP's assessment concluded, based on the available scientific information, that airborne materials are not expected to present a health hazard by providing a minimum of 10 ACH (air changes per hour) of fresh air ventilation and a minimum room volume of 80m³.

These specifications are valid for the following conditions: one HP printer using a black area fill plot at around $40 \text{ m}^2/\text{h}$, 10 passes and 150% of ink, assuming 6 hours of printing time a day. If there is a jumbo input/output unit, other equipment in the room or different conditions, the ventilation rate should be recalculated accordingly.

In addition to the workspace benefit provided by general room ventilation, intense use of this printer system in some customers' facilities may necessitate the use of localized ventilation in order to provide a readily acceptable working environment. This installation of localized exhaust for a printer frequently enables the capture of airborne contaminants near their source of generation, and subsequently allows their efficient removal from the building through contained, and relatively low volume air flow. A workspace health and safety professional can provide guidance on the design and use of this auxiliary ventilation equipment.

Air Conditioning

As with all equipment installations, to maintain ambient comfort levels, air conditioning in the work area should take into account that the equipment produces heat. Typically, the printer's power dissipation is XX kW (XXX kBTU/h).

Air conditioning should meet local environmental, health, and safety (EHS) guidelines and regulations.



NOTE: The air conditioning units should not blow air directly onto the equipment.

Load bearing

The load-bearing characteristics of the floor in the print production area must be sufficient to withstand the weight of your printer. To calculate the load bearing characteristics of the print production floor, you must consult a structural engineer.

Table 2-25 HP Latex 3000 Printer Series

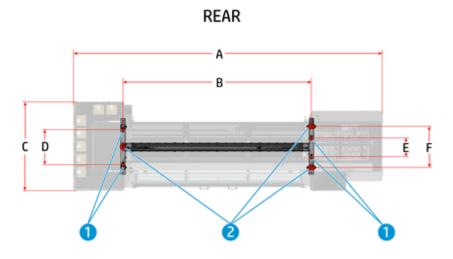
| | HP Latex 3000 | HP Latex 3100/3200 | HP Latex 3500/3600 |
|--|-------------------|--------------------|--------------------|
| Printer weight with crate | 2000 kg (4409 lb) | 2240 kg (4938 lb) | 2730 kg (6019 lb) |
| Printer weight without substrate | 1500 kg (3307 lb) | 1740 kg (3836 lb) | 1870 kg (4123 lb) |
| Load on each foot | 750 kg (1653 lb) | 870 kg (1918 lb) | 935 kg (2061 lb) |

Table 2-26 HP Latex 3800 Jumbo Roll Solution

| | HP Latex 3800 printer | Jumbo input or output unit | Jumbo input and output units | HP Latex 3800 with Jumbo input unit | HP Latex 3800 with jumbo input and output units |
|--------------------------------|-----------------------|-------------------------------|------------------------------|--|---|
| Weight with crate | 3000 kg (6614 lb) | 3300 kg (7275 lb) | 6600 (14551 lb) | 6300 (13889 lb) | 9600 (21164 lb) |
| Weight without substrate | 1900 kg (4189 lb) | 2100 kg (4630 lb) | 4200 (9259 lb) | 4000 (8818 lb) | 6100 (13448 lb) |
| Load on each foot | 935 kg (2061 lb) | 250 kg (551 lb) | 250 kg (551 lb) | | |

Your printer has four wheels used to move the printer and three feet that must be lowered to touch the ground and support the printer. The following diagram shows where the feet and wheels touch the ground, in case you need extra reinforcements.

If your printer is an HP Latex 3500/3600 you also have 4 extra feet that also have to be leveled. These are safety secondary feet and not structural. See installation guide for more information.



FRONT

In the table below, the number or letter in the left column corresponds to the diagram above.

| 1 | Wheels |
|---|------------------|
| 2 | Feet |
| А | 6 m (236 in) |
| В | 3.65 m (144 in) |
| С | 1.72 m (67.7 in) |
| D | 0.76 m (30 in) |
| E | 0.45 m (18 in) |
| F | 0.79 m (31 in) |

Floor surface

The floor surface should have the following characteristics:

- Horizontal surface
- Solid, smooth, and level
- No holes or indentations
- Static-free surface (no carpet)
- Easy to clean
- Durable
- Free from strong vibrations
- Concrete

IMPORTANT: If your printer is an HP Latex 3500/3600 take into account that holes will be drilled in the floor to anchor the printer and installing the dual-roll center support.

IMPORTANT: If your printer is an HP Latex 3800 take into account that holes will be drilled in the floor to anchor the printer and installing the jumbo units.

Lighting

Whenever your printer is in operation, the print production area should be well lit to provide the operator with optimal conditions for checking the color and alignment during print production. If there is not enough natural light, artificial lighting will be required.

Designing the print production area

Safety installations

Fire fighting equipment

You must provide two fire extinguishers for the site. Make sure the extinguishers are placed where they are easily accessible in case of fire.

- A fire extinguisher certified for electrical fires must be in the print production area.
- A fire extinguisher must be placed in the substrate storage area, due to the large amount of solid combustibles (substrates).

Emergency exits and first aid stations should also be considered.

Optimal room layout

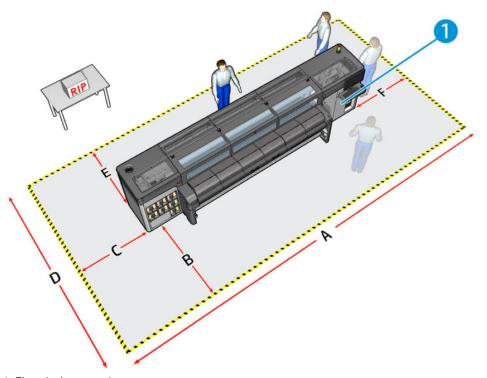
Your printer requires enough space to perform the following tasks:

- Print
- Use the HP Internal Print Server
- Replace a substrate roll
- Service the printer or replace printer components
- Ensure the printer is well ventilated

Your printer has the following dimensions:

Table 2-27 Physical specifications (HP Latex 3000/3100/3200/3500/3600)

| | HP Latex 3000 | HP Latex 3100/3200/3500/3600 |
|--------|-------------------|-------------------------------------|
| Weight | 1500 kg (3307 lb) | 1740 Kg (3836 lb)/1870 Kg (4123 lb) |
| Width | 5.98 m (235 in) | 5.98 m (235 in) |
| Depth | 1.72 m (68 in) | 1.72 m (68 in) |
| Height | 1.67 m (66 in) | 1.87 m (74 in) |



1. Electrical connection.

In the table below, the letter in the left column corresponds to the room layout illustration above.

| | Measurement |
|---|--------------------|
| А | 9 m (29 ft 6 in) |
| В | 1.5 m (4 ft 11 in) |
| С | 1.5 m (4 ft 11 in) |
| D | 4.5 m (14 ft 9 in) |
| E | 1.5 m (4 ft 11 in) |
| F | 1.5 m (4 ft 11 in) |

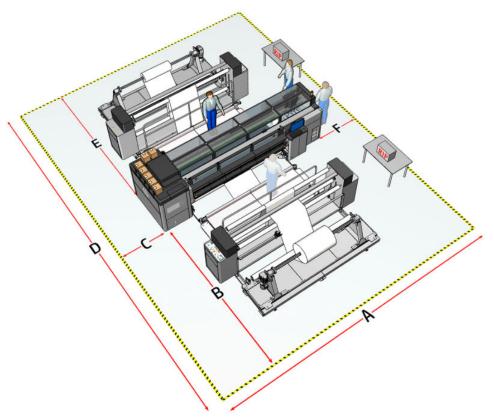
The ceiling of the room should be at a minimum height of 2.5 m (8 ft 2 in) above the floor.

WARNING! The zone surrounding the printer should be considered a restricted access area and signaled accordingly. Only trained personnel should be operating within this area.

Table 2-28 Physical specifications (HP Latex 3800 Jumbo Roll Solution)

| | HP Latex 3800 with jumbo input unit | HP Latex 3800 with jumbo input and output units |
|--------|-------------------------------------|---|
| Weight | 4000 (8818 lb) | 6100 (13448 lb) |
| Width | 6 m (236 in) | 6 m (236 in) |
| Depth | 5.86 m (231 in) | 9.3 m (366 in) |
| Height | 1.87 m (74 in) | 1.87 m (74 in) |

| | Recommended layout (only for HP Latex 3800 Jumbo Roll Solution) |
|---|---|
| Printer with jumbo input and output units | 14 m x 8 m (45 ft 11 in x 26 ft 3 in) |
| Printer with jumbo input unit | 10 m x 8 m (32 ft 10 in x 26 ft 3 in) |



In the table below, the letter in the left column corresponds to the room layout illustration above.

| | Measurement |
|---|--------------------|
| А | 8 m (26 ft 3 in) |
| В | 6.2 m (20 ft 4in) |
| С | 1.5 m (4 ft 11 in) |
| D | 14 m (45 ft 11 in) |
| E | 6.2 m (20 ft 4in) |
| F | 1.5 m (4 ft 11 in) |



NOTE: The ceiling of the room will vary depending on the overhanging crane used.



NOTE: This is the recommended working space, it may vary depending on the lifting technique used.

MARNING! The zone surrounding the Jumbo Roll Solution should be considered a restricted access area, and signaled accordingly. Only trained personnel should operate within this area.

Storage area for materials

When planning a storage area for materials used with the printer, thought should not only be given to safety and convenience, but also to the fact that if inks and substrates are not stored in the appropriate temperature and humidity conditions, print results may be adversely affected.

The storage area should be of sufficient size to accommodate adequate stocks of substrate rolls and inks. The storage area should be located near the print production area to minimize the lifting and maneuvering of heavy materials.

The storage area should have a covered roof. It should be dry, well ventilated and able to provide protection from direct light. It is important that temperature and humidity are maintained within values specified for each substrate type.



NOTE: Allow enough (environmentally controlled) space to store the printheads. This is indicated by the directional arrows on the printhead boxes.

Storage conditions for substrate rolls

Keep substrate rolls in their sealed wrapping material while they are placed in storage.

Store substrate rolls vertically to avoid the migration of plasticizers in some materials.

Move substrates from the storage area to the print production area at least 24 hours before use, so that they can reach the required moistness and operating temperature.



NOTE: HP substrate rolls have a 12 month warranty when the substrate rolls are stored under optimal conditions. The warranty term varies depending upon the material and the manufacturer.

Computer and networking requirements

Requirements

Print Care network functionality requires an **Outbound** connection to all the following addresses **without** a proxy. This means that an open internet connection allowing traffic on port 80 is needed.

| URL | HTTPS 80 |
|----------------------------------|----------|
| *.heleni.me | X |
| *.hp.com | X |
| *.symantec.com | X |
| *.symantecliveupdate.com | X |
| *.printos.com | X |
| https://hpprotagonist.com/ | X |
| https://hplargeformatremote.com | X |
| https://seals.corp.hpicloud.net/ | X |

- NOTE: If needed, please instruct the customer IT to create routing rules that route around the proxy for these addresses.
- ActiveX must be installed on the computer. Install ActiveX if requested to do so.

The anti-virus application must be configured not to block ActiveX controls.

ActiveX must be enabled in Internet Explorer:

Select Tools> Internet Options> Security tab. Then select the Internet zone and click Custom Level.

Under **ActiveX** controls and **plug-ins**, enable:

- Allow previously unused ActiveX controls to run without prompt
- Automatic prompting for ActiveX controls
- A minimum upload speed of 256 bps is required.

HP provides the following system components:

HP provided components

- HP Internal Print Server
 - PC and power cord. PC LAN card connections: 2 ethernet ports, one for the e-box LAN cable to connect the printer to the PC, and the other to connect to the network
 - Monitor and power cord
 - Keyboard
 - Mouse
 - Windows 7 Embedded
 - HP Internal Print Server software
 - HP Scitex Print Care software
 - Symantec Antivirus
- 1-Gb Ethernet cables

Customer provided components

- Ethernet LAN (minimum 100 Mb/s, optimum 1 Gb/s) connection
- RIP station and software
- CAT-6 LAN cable long enough to connect the printer to the network

RIP requirements

There are two RIPs offered by HP that may be used with the printer:

- HP Scitex ONYX Thrive 211 RIP: product number D9Z41A
- HP Scitex Caldera Grand RIP v11: product number L5E74B

The software and hardware requirements of these RIPs are as follows.

HP Scitex Onyx Thrive 211 RIP (v12.2)

- Main Workflow:
 - Operating System: Microsoft® Windows® 7 Professional 64-bit (32-bit not supported)
 - Processor: Multi-core processor
 - RAM: 8 GB minimum (4 GB / core recommended)
 - Multiple Hard Drives
 - 1 − Dedicated System Drive
 - 1 Dedicated Drive for ONYX Thrive (500+250GB free space)
 - Network Connectivity: Gigabit
 - NOTE: Firewall and antivirus must be disabled or configured to allow ONYX applications and printer ports (515, 1947, 8889, 9100 and 10000). There may be other ports needed, please see device manufacturer for details.
 - Monitor: 1280 × 1024 pixels
 - USB port for security key
 - DVD-ROM drive
- Distributed Workstation:
 - Operating System: Microsoft® Windows® 7 Professional 64-bit (32-bit not supported)
 - Processor: Multi-core processor
 - RAM: 8 GB minimum (4 GB / core recommended)
 - Hard Drive: 500 GB (7200 rpm)
 - Network Connectivity: Gigabit
 - NOTE: Firewall and antivirus must be disabled or configured to allow ONYX applications and printer ports (515, 1947, 8889, 9100 and 10000). There may be other ports needed, please see device manufacturer for details.
 - Monitor: 1280 × 1024 pixels
 - USB port for security key
 - DVD-ROM drive
- Thrive Production Manager requirements:
 - Macintosh®, Windows® PC, or mobile device web browser (Safari, Chrome, Firefox, and IE 9)

For further details of Onyx configuration, see http://www.onyxqfx.com/system-specifications/.

HP Scitex Caldera Grand RIP v11 (v11.2)

- Linux:
 - Operating System:
 - Caldera Debian 2.x
 - Debian 8.6 (MATE desktop environment only)
 - Debian 8.8 (MATE desktop environment only)
 - Processor: Intel Core i3, i5 or i7
 - RAM: 4GB or 8GB (recommended). Minimum 1GB per core, recommended at least 2 GB per core
 - HDD : 250GB
 - Monitor / Videocard: 1280x1024 resolution

NOTE:

- * Nvme SSD not supported yet
- * Laptop not recommended
- Mac:
 - Operating System:
 - 10.9 Mayericks
 - 10.10 Yosemite
 - 10.11 El Capitan
 - 10.12 Sierra
 - 10.13 High Sierra
 - Hardware: Intel Core i3, i5 or i7 based Mac mini, iMac or Mac Pro.
 - NOTE: MacBook Air, MacBook and MacBook Pro not supported. PPC based hardware (G5, G4, etc.) not supported.
 - RAM: 4GB or more. Minimum 1GB per core (recommended at least 2 GB per core)
 - HDD: 250GB
 - Monitor/Videocard: 1280×1024 minimum resolution

For further details of Caldera configuration, see:

- https://www.caldera.com/product/grandrip/
- https://www.caldera.com/product/version-11/

External color profiling

In order to build color profiles for your printer, an external color sensor is needed. Make sure to choose an external spectrophotometer that is compatible with your RIP.



3 Shipment arrival preparation

Unloading area

A suitable unloading area will need to be designated that will be easily accessible to the delivery truck. This will require sufficient space to unload the large crate in which your printer is shipped. When planning this area, consider the following:

- Height and width of entrance to unloading area
- Ramps used to access the unloading area
- Height and size of unloading dock (if applicable)

The unloading area must have enough space to unload the accessory crate (HP Latex 3800 only) from each side (front and rear) with the forklift, or to rotate the crate and access each side with the forklift correctly.

Route from unloading site to installation site

The route between the unloading area of the printer and the installation site, including any corridors and doorways through which the printer must be transported, is important to proper site preparation and must be planned before the arrival of the printer. This pathway must be clear when the printer arrives. Regarding ground floor room access, transport of the bulky printer components requires:

Table 3-1 Doorway, ceiling and corridor specifications

| | Printer | Crate |
|---------------------------------------|----------------|----------------|
| Minimum doorway width | 1.85 m (73 in) | 2 m (79 in) |
| Minimum ceiling height | 2 m (79 in) | 2.5 m (98 in) |
| Minimum corridor width | 1.85 m (73 in) | 2 m (79 in) |
| Minimum corridor width for a 90° turn | 3.9 m (154 in) | 3.9 m (154 in) |

WARNING! After being removed from the crate, the printer can be moved up or down a ramp of no more than 5% inclination.

☆ TIP: Decide when you will remove the printer from the crate. It is recommended that the shipping crate be unpacked as close as possible to the printer's final destination. Usually, the printer is removed from the crate before moving it to the installation site.

Disassembling the crate requires an electric screwdriver that must be plugged into a power outlet, so make sure that a power outlet is available near the site where you plan to disassemble the crate.

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Shipment items

All printer components will arrive in a single crate. The dimensions and weight of the crate and printer are as follows:

Table 3-2 HP Latex 3000 — Printer and crate physical specifications

| | Width | Depth | Height | Weight |
|------------------------|-------------------|------------------|------------------|-------------------|
| Crate (printer inside) | 5.86 m (231 in) | 1.93 m (76.0 in) | 2.16 m (85.0 in) | 2000 kg (4409 lb) |
| Printer | 5.98 m (235.4 in) | 1.72 m (68 in) | 1.67 m (66 in) | 1500 kg (3307 lb) |



NOTE: The printer width as shown above is after installation. As stored in the crate, it is less wide.

Table 3-3 HP Latex 3100/3200/3500/3600 — Printer and crate physical specifications

| | Width | Depth | Height | Weight |
|------------------------|-----------------|----------------|----------------|--|
| Crate (printer inside) | 5.86 m (231 in) | 1.93 m (76 in) | 2.16 m (85 in) | 2500 kg (5512 lb)/2630 kg (5798 lb) |
| Printer | 5.98 m (235 in) | 1.72 m (68 in) | 1.87 m (74 in) | 1740 kg (3836 lb)1870 Kg (4123 lb) |

Table 3-4 HP Latex 3800 Jumbo Roll Solution — Printer and crate physical specifications

| | Width | Depth | Height | Weight |
|--|-----------------|----------------|----------------|-------------------|
| Crate (printer inside) | 5.86 m (231 in) | 1.93 m (76 in) | 2.16 m (85 in) | 2630 kg (5798 lb) |
| Printer | 5.98 m (235 in) | 1.72 m (68 in) | 2.16 m (85 in) | 1870 Kg (4123 lb) |
| Crate (Jumbo input or output unit inside - per unit) | 5.33 m (210 in) | 2.27 m (89 in) | 2.5 m (98 in) | 3300 kg (7275 lb) |
| Jumbo Input/Output units (per unit) | 4.9 m (193 in) | 4.6 m (181 in) | 1.62 m (64 in) | 2100 kg (4630 lb) |



NOTE: Each jumbo roll spindle comes in a separate crate.

Tools and manpower required for installation

The installation process requires two capable persons, usually the installer and the operator. Additionally a certified electrician is needed to configure the electrical system. Usually a certified forklift driver is required.

12mm Ø drill bits for the HP Latex 3500/3600, and 12 mm and 16 mm Ø drill bits for the HP Latex 3800 are required to drill concrete during installation.

Check with the installation specialist before delivery to make sure you do not have to supply any tools.

Moving equipment

Ground floor installation

⚠ CAUTION: Unloading and moving the printer and all system components is the customer's responsibility and not HP's. Failure to provide the required moving and lifting apparatus could result in personal injury or damage the printer during installation.

The use of specialist moving and lifting equipment is required during the unloading, unpacking and installation of your printer.

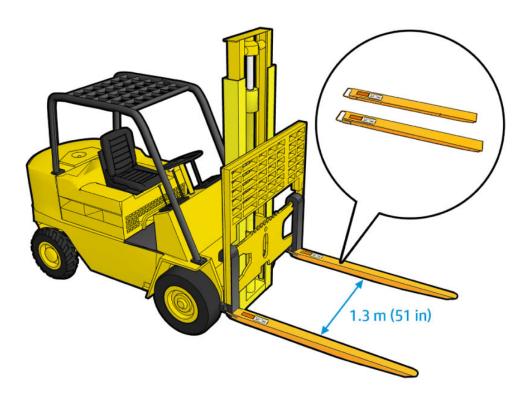
Advanced booking for the services of a machinery moving contractor/rigger must be made. It is important to confirm that the hired moving specialist and moving equipment will be available when the printer is delivered.

The following equipment is recommended:

Wide, heavy-duty forklift (required)

Table 3-5 Forklift specifications

| | Weight | Minimum fork length | Inner distance between forks | |
|----------|--------------------|---------------------------------------|------------------------------|--|
| Forklift | 6000 kg (13228 lb) | 2 m (79 in) for crated printer | 1.3 m (51 in) | |
| | | 1.5 m (59 in) for printer only | | |



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• HP Latex 3100/3200/3500/3600 only: Two skates to move the crate (optional)

HP Latex 3800 Jumbo Roll Solution only: Four skates to move the crate and some parts of the jumbo units (required)



HP Latex 3100/3200/3500/3600 only: Electric pallet jack (optional)
 HP Latex 3800 Jumbo Roll Solution only: Two electric pallet jacks (optional)



HP Latex 3100/3200/3500/3600 only: Manual pallet jack (optional)
 HP Latex 3800 Jumbo Roll Solution only: Two manual pallet jacks (required)



• **HP Latex 3800 Jumbo Roll Solution only:** Two short 3 m (9.84 ft), and two long 6 m (19.69 ft), lifting slings (required)



HP Latex 3800 Jumbo Roll Solution only: Four lifting shackles to "extract" the working platform (required)



Above ground floor installation

CAUTION: Unloading and moving the printer and all system components is the responsibility of the customer and not HP. Failure to provide the required moving and lifting equipment could result in personal injury or damage the printer during installation.

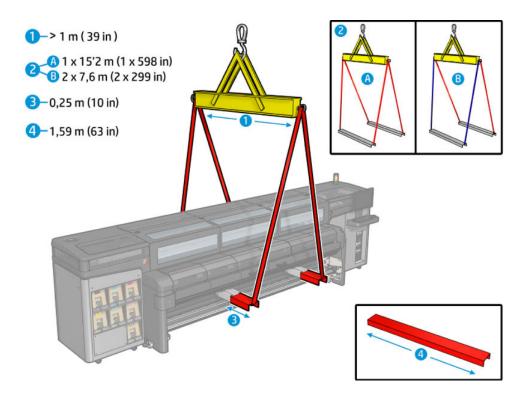
Above ground floor installation requires a crane and special lifting gear in addition to the standard moving equipment. At some installation sites, it may be necessary to remove the crate packaging before lifting the printer with the crane. The following section describes the equipment and configurations needed to lift the printer with a crane.

Crane attachment to lift the printer with a spreader beam

When you lift the printer with a spreader beam, the lifting bars and spreader beam must be long enough so that the lift cables do not touch the printer. The following graphic illustrates how to lift the printer with a spreader beam.

⚠ CAUTION: When lifting the printer with a crane, extra caution should be taken to ensure that the cables do not apply pressure to the scan beam or any other printer component.

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Waste disposal

Printer packaging can be reused for moving the printer at a later date.

The crate and packaging material that comes with the printer can also be disposed of. Most of the waste will be wood materials. Consult with your local authorities to determine the correct manner in which to dispose of waste.

4 Checklist

| Address information | | | | | |
|---|---------------|----|-----------|-------|--|
| mpany name Postal code | | | | | |
| Street address | Telephone | | | | |
| City | Fax | | | | |
| Country | E-mail | | | | |
| | | | | | |
| Contact persons Nan | ne | | Telephone | Email | |
| Company engineer or technician | | | | | |
| System administrator | | | | | |
| Operators to be trained on printer use and maintenance | | | | | |
| | | | | | |
| Printer | | | | | |
| HP Latex 3000 | | | | | |
| HP Latex 3100 | HP Latex 3100 | | | | |
| HP Latex 3500 | | | | | |
| Hp Latex 3800 Jumbo Roll Solution | | | | | |
| | | | | | |
| General access & equipment unloading | Yes | No | Comment | :S | |
| Is there an easily accessible unloading area, with sufficient space to unload an maneuver the equipment? | nd 🔲 | | | | |
| Has the route to the installation area been checked to meet all requirements (height, width, and clearance of ceilings, doorways, ramps, and corridors) and conveyance route clear? | is the 🔲 | | | | |
| Is a power outlet available near the site where you plan to disassemble the cr (for the electric screwdriver used to disassemble the crate)? | ate | | | | |
| Have specialist movers been contracted to unload and move the equipment of | on the | | | | |

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| General access & equipment unloading | Yes | No | Comments |
|--|-----|----|--|
| Are the specialist movers aware of the specifications provided in this document? | | | |
| Is a suitable forklift contracted for installation? | | | |
| Are there skates available to help position the crate? | | | |
| Is there a pallet jack available to help position the crate? | | | HP Latex 3100/3200/3500/3600 only: Optional HP Latex 3800 only: Required |
| Will you install the printer on a second level or higher? If so, is there a suitable crane contracted for installation? Are the appropriate crane attachments available? | | | HP Latex 3800 only: Discuss with HP |
| Will the operator be available for the full amount of time required for the installation training (2.5 days)? | | | HP Latex 3800 only: 4 days |
| | | | |
| Room layout and flooring | Yes | No | Comments |
| Is there sufficient space around the equipment? | | | |
| Has all room construction and painting been completed? | | | |
| Does the floor load-bearing capacity meet the specifications in the site preparation guide? | | | |
| Does the floor surface meet the specifications in the site preparation guide? If special reinforcements are necessary, are they completed? | | | |
| If your printer is an HP Latex 3500, is the floor prepared to anchor the printer to the floor and to install the dual-roll split spindles center support? | | | |
| | | | |
| Safety requirements | Yes | No | Comments |
| Is there an emergency exit in the print production area, with easy access and free from any obstruction? | | | |
| Have the two fire extinguishers been fitted in the prescribed locations in the print production and storage areas? Is the print production fire extinguisher rated for electrical fire? | | | |
| Have strategic locations been allocated for the fixture and display of the appropriate safety warning signs? | | | |
| Does the area meet the Restricted Access Location requirements in the zone surrounding the printer? | | | (Required) |
| Do the users who operate the printer have appropriate technical training and experience necessary to be aware of the hazards to which they may be exposed in performing a task and to take appropriate measures to minimize the risks? | | | (Required) |
| Will printer operations be supervised at all times? | | | (Required) |
| Does the room meet the minimal ventilation (ACHs) standard required by local regulations and/or HP requirements? | | | (Required) |

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| Electrical installation | Yes | No | Comments |
|---|-----|----|------------|
| Has the site been prepared for the chosen power option? | | | |
| Configuration 1 branch circuit breaker: 4 poles, 40/50 A | | | |
| Configuration 2 branch circuit breaker: 3 poles, 63/70 A | | | |
| Configuration 3 branch circuit breaker: | | | |
| Three-phase: 4 poles, 40/50 A | П | | |
| Two-phase control: 2 poles, 15/16/20 A | П | | |
| Configuration 4 branch circuit breaker: | Ч | | |
| Three-phase: 3 poles, 63/70 A | | | (Required) |
| Two-phase control: 2 poles, 15/16/20 A | | | |
| Configuration 5 branch circuit breaker: 2 poles, 90 A | | | |
| Configuration 6 branch circuit breaker: | | | |
| Two-phase: 2 poles, 90 A | | | |
| Two-phase control: 2 poles, 15/16/20 A | | | |
| Configuration 7 Jumbo Rolls units configuration (not including the printer): | | | |
| Three.phase: 3 poles, 10 A | | | |
| Is the chosen power system within its nominal range? | П | | |
| Configuration 1 | | | |
| Configuration 2 | | | |
| Configuration 3 | | | (Required) |
| Configuration 4 | | | |
| Configuration 5 | | | |
| Configuration 6 | | | |
| Jumbo input and output units configuration | | | (Required) |
| Is the grounding conductor properly installed, as shown in the site preparation guide? | | | (Required) |
| Have you booked the services of an electrician for the day of installation? | | | (Required) |
| Is the electrician aware of all requirements and specifications highlighted in this document? | | | (Required) |
| Is the Power Distribution Unit (PDU) correctly installed? | | | (Required) |
| Are Residual-Current Circuit Breakers (RCCB), also known as Ground Fault Circuit Interrupters (GFCI), required by local laws? if so, have they a sensitivity of 100 mA or higher? | | | |
| IMPORTANT: Residual-Current Circuit Breakers (RCCB) leak current must be higher than 100mA. | | | |

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| Electrical configuration | Yes | No | Comments |
|--|-----|----|----------|
| Do you need an Uninterrupted Power Supply (UPS)? If so, is it correctly installed? | | | |
| No power cords are supplied with the printer; does the electrician understand that power cord(s) must be provided according to printer specifications and local laws? | | | |
| If local regulations specify that you must use electrical plugs to connect the printer to the power supply, does the electrician have the required plugs ready for installation? | | | |
| | | | |
| Networking requirements | Yes | No | Comments |
| Have network connections been supplied? | | | |
| Do you have a LAN cable long enough to connect the printer to the network? | | | |
| Do you have an Internet connection? | | | |
| | | | |
| Equipment preparation | Yes | No | Comments |
| Is the air compressor or pressurized air line ready for the day installation? | | | |
| Have the correct supplies been ordered for deliver on or before the date of the printer's installation? | | | |
| Minimum requirements: 1 set of ink cartridges. | | | |
| Recommended : 1 set of ink cartridges, an extra set of ink cartridges, correct substrate for training purposes. | | | |
| | | | |
| RIP requirements | Yes | No | Comments |
| Has the HP Scitex ONYX Thrive 211 RIP Software (D9Z41A) been ordered, and is the computer to be used available with the required specifications? | | | |
| Has the HP Scitex Caldera Grand RIP software v10 (L5E74A) been ordered, and is the computer to be used available with the required specifications? | | | |
| If neither of the HP Scitex RIPs is to be used, is there a computer available with a RIP application installed that supports the printer? | | | |
| Do you have a spectrophotometer that is compatible with the RIP? | | | |
| | | | |
| Environmental requirements | Yes | No | Comments |
| Have the temperature and humidity requirements been satisfactorily met in the print production area, and is there adequate ventilation or air conditioning? | | | |
| Have the temperature and humidity requirements been satisfactorily met in the storage area? | | | |
| Is the print production area free from dirt and dust? | | | |

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| Environmental requirements | Yes | No | Comments |
|--|-----|----|------------|
| Does the print production area have sufficient lighting? | | | |
| Have you met or exceeded all the requirements specified in the site preparation guide? | | | (Required) |
| | | | |
| Date of site preparation completion | | | |
| Site preparation guide edition number or copyright date | | | |
| Customer signature | | | |

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