HP Latex Plus Cutter

Site Preparation Guide

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1 Overview

Introduction

Your equipment is supplied ready to use after a few simple installation procedures described in detail in the assembly instructions. It is important to read the information provided in this guide thoroughly and to ensure complete compliance with all installation and operation requirements, safety procedures, warnings, cautions, and local regulations. A well prepared site helps to provide a smooth and easy installation.

Customer responsibility

You are responsible for preparing the physical site for the installation of the equipment.

- Prepare the building's electrical system to meet the equipment's requirements and the Electrical Code requirements according to the local jurisdiction of the country where the equipment is installed. See Electrical configuration on page 5.

  NOTE: Make sure that a certified electrician reviews the setup and configuration of the electrical system used to power the equipment. See Electrical configuration on page 5.

- Meet temperature and humidity requirements and ensure proper ventilation for the equipment. See Environmental specifications on page 3.

- Meet all requirements for RIP and networking. See RIP workstation characteristics on page 4 and Networking on page 4.

- Prepare the unloading route so that the equipment can be unloaded and maneuvered into place. See Unloading route on page 2.

Installation time schedule

Allow a minimum of 1 hour for the installation. The installer may require the help of two people to perform certain tasks during installation.

2 Site preparation requirements

Physical space requirements

Unloading route

The route between the unloading area of the equipment and the installation site, including any corridors and doorways through which the equipment must be transported, is important to proper site preparation and must be checked before the arrival of the equipment. This pathway must be clear when the equipment arrives.

Table 2-1 Physical specifications

	HP Latex 54" Basic Plus Cutter HP Latex 54" Plus Cutter	HP Latex 64" Plus Cutter
Width	1765 mm (69.5 in)	1960 mm (77.2 in)
Depth	704 mm (27.7 in)	704 mm (27.7 in)
Height	1112 mm (43.8 in)	1112 mm (43.8 in)
Weight	43.5 kg (95.9 lb)	48 kg (106 lb)
Width with packaging	2230 mm (87.8 in)	2230 mm (87.8 in)
Depth with packaging	420 mm (16.5 in)	420 mm (16.5 in)
Height with packaging	710 mm (28.0 in)	710 mm (28.0 in)
Weight with packaging	71 kg (157 lb)	74 kg (163 lb)

The space required for assembly is 3 m (10 ft) in front and 1 m (3.5 ft) at the sides and rear.
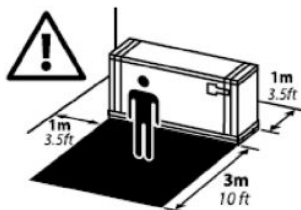
Most of the installation process requires one person, but two people are required to perform certain tasks.

Environmental specifications

These environmental conditions must be kept within the specified ranges to ensure the correct operation of the equipment. Failure to do so may cause print-quality problems or damage sensitive electronic components.

Table 2-2 Environmental specifications

	HP Latex 54" Basic Plus Cutter HP Latex 54" Plus Cutter	HP Latex 64" Plus Cutter
Operating temperature	15 to 35°C (59 to 95°F)	15 to 35°C (59 to 95°F)
Relative humidity	35–75% , non condensing	35–75% , non-condensing
Storage temperature	–30 to 70°C (–22 to 158°F)	–30 to 70°C (–22 to 158°F)

NOTE: The cutter must be kept indoors.

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 cutter where it will be exposed to direct sunlight or a strong light source.

- Do not install the cutter in a dusty environment. Remove any accumulated dust before moving the cutter into the area.

Designing the optimal print production area

You need enough space to perform the following tasks:

- Cut a substrate roll

- Service the equipment or replace components

- Ensure the equipment is well ventilated

Your equipment has the following dimensions:
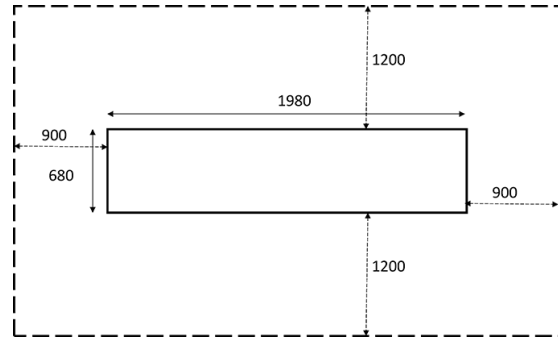
Table 2-3 Cutter dimensions

	HP Latex 54" Basic Plus Cutter HP Latex 54" Plus Cutter	HP Latex 64" Plus Cutter
Width	1765 mm (69.5 in)	1960 mm (77.2 in)
Depth	704 mm (27.7 in)	704 mm (27.7 in)
Height	1112 mm (43.8 in)	1112 mm (43.8 in)

The space required for the cutter is illustrated below (measurements in millimeters):

HP Latex 54" Basic Plus Cutter
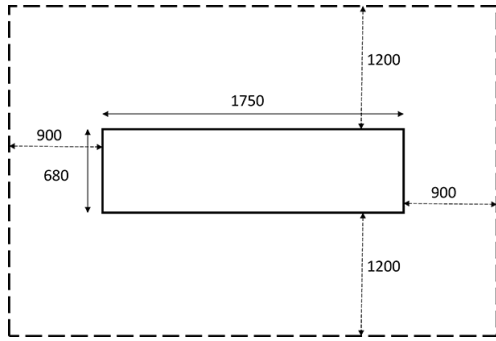
HP Latex 64" Plus Cutter

RIP workstation characteristics

Each RIP has specific requirements. Check with your RIP vendor to find out the requirements for the PC that you'll be using for the RIP station. See http://www.hp.com/go/latexrips for a complete list of certified RIP stations available for your printer. Make sure that the RIP station is fully functional and ready for installation.

Workstation requirements

- Supported operating systems: Windows 7, 8, and 10

- RAM: 8 GB

- Installation space on disk: 1 GB

- Working disk space: 10 GB

- Internet connection to the workstation, to validate the license

You are recommended to configure the workstation sleep mode to **Never**.

NOTICE: The RIP software provided with the cutter will work only with the HP Latex 115, 315, 335, and 365 printers. Other printers will require a RIP upgrade.

Networking

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

NOTE: In order to perform remote support, the printer must have access to the Internet using the LAN connection.

- Have a Gigabit Ethernet network ready for the day of installation.

- Provide two CAT-6 LAN cables to connect the equipment to your LAN and RIP workstation.

- Provide two Gigabit Ethernet switches.

To get the full features for your printer, it should be connected to the Internet. Most unmanaged networks are directly connected to the Internet. However, some networks require a web proxy. A proxy is a server that acts as an intermediary between computers on your local network and servers on the Internet. Before setting up the printer, check whether your network requires a web proxy.

To check this, open Internet Explorer or Safari on any computer within your network, and browse to http://hp.com. If you cannot connect to the site, your network does not have Internet access and you need to

consult with your IT provider on how to configure Internet access. If you can connect to the site, you can check the browser settings for proxy configuration as follows:

- For Internet Explorer, go to **Tools** > **Internet options** > **Connections** > **LAN settings**. In the proxy server section of the window, if the **Use a proxy server** box is unchecked, you do not need a web proxy. If it is checked, make a note of the Address and Port settings in the main window, or in the HTTP part of the Advanced settings window.

- For Safari, go to **Preferences** > **Advanced** > **Proxies** > **Change settings**. If the **Web proxy (HTTP)** box is unchecked, you do not need a web proxy. If it is checked, make a note of the web proxy server name (before the ":") and port (after the ":").

- Proxy server names are typically similar to "proxy.mycompany.com" and proxy port is typically 80, but details are network dependent.

If you are unable to determine whether you need a web proxy or how to configure it, please consult with your network administrator or Internet Service Provider. When in doubt, you probably do not need a web proxy.

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.

Electrical configuration

NOTE: If configuration of the building electrical system used to power the equipment needs to be modified to meet equipment requirements, an electrician is required. Make sure that your electrician is appropriately certified according to local regulations and supplied with all the information regarding the electrical configuration.

Your equipment 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 where the equipment is installed.

Single-phase power

Table 2-4 Single-phase line specifications

Number of power cords	1
Input voltage	100–240 V
Input frequency	50 / 60 Hz
Maximum load current	2 A

Circuit breakers

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

The Power Distribution Unit (PDU) must be rated to meet the power requirements of the cutter, and shall be in accordance with the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed.

WARNING! Do not use a power strip (relocatable power tap) to connect both power cords.

Wall receptacles and power cords

Two power cords are provided with your cutter, according to the cutter's electrical specifications. If those cords do not reach your PDU and/or UPS, a certified electrician must install suitable extension cables on the day of installation.

To make sure you have the right wall socket outlets (wall receptacles) ready for installation, check the following:

1. The wall socket outlets must be suitable for **cutter input ratings**. See .

2. The wall socket outlets must be suitable for the **power cord plug type** used in the country of installation. The tables below give examples of the power cords and the plugs provided with the cutter according to the country. To make sure you have the right wall receptacle, find your country in the appropriate table and check the **plug type**.

> ⚠ **WARNING!**   Use only use the power cord supplied by HP with the cutter. Do not use a power strip (relocatable power tap) to connect both power cords. Do not damage, cut, or repair the power cord. With a damaged power cord, there is risk of fire and electric shock. Always replace a damaged power cord with an HP-approved power cord.

Table 2-5 Power cord specifications by country

Country	Length	Plug type	Plug
Argentina	2.5 m	IRAM 2073	
Australia	2.5 m	AS/NZS 3112:2000	
Brazil	2.5 m	NBR 14136	
Cambodia, Indonesia, Korea, Vietnam	2.5 m	CEE 7-VII	
Chile, Uruguay	2.5 m	CEI 23-50	

Table 2-5 Power cord specifications by country (continued)
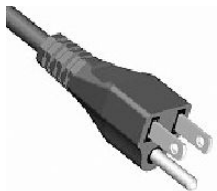
Country	Length	Plug type	Plug
China	2.5 m	GB 1002	
Denmark	2.5 m	DK 2-5A	
EU, Russia	2.5 m	CEE 7-VII	
India	2.5 m	SANS 164/1, IS 1292	
Israel	2.5 m	SI 32	
Japan	2.5 m	JIS C 8303	
Philippines, Thailand	2.5 m	NEMA 5-15P	
South Africa	2.5 m	SABS 164/1, IS 1292	

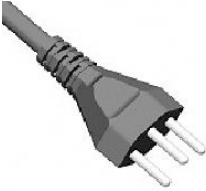**Table 2-5 Power cord specifications by country (continued)**
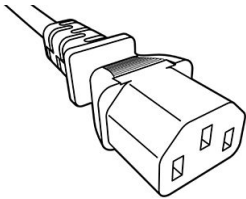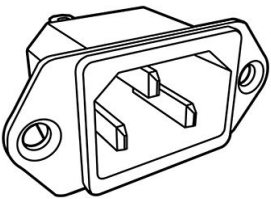
Country	Length	Plug type	Plug
Switzerland	2.5 m	SEV 1011:2009, chapter 6534-2	
Taiwan	2.5 m	CNS 690 Type 2(1)	
UK, Middle East, Hong Kong, Singapore	4.5 m	BS 1363/A (13A fused)	
USA, Canada, Mexico, Middle East (optional)	2.5 m	NEMA 5-15	

Table 2-6 Appliance coupler (cutter connection), all countries

Appliance coupler (power cable)	Appliance coupler inlet (cutter)
Detachable terminal as per IEC60320-1 C13 (squared type)	Detachable inlet as per IEC60320-1 C14 (squared type)

NOTE: Place the wall receptacle close enough to the cutter so the plug can be plugged and unplugged easily.

Powerline disturbances

As with all computer and electronic equipment, reliable operation of your cutter depends on the availability of relatively noise-free AC power.

- In order to ensure optimum performance and reliability, your cutter should be protected from variations in line voltage. Lightning, line faults, or the switching of lighting or machinery can generate line transients that

far exceed the peak value of the applied voltage. If not reduced, these microsecond pulses can disrupt system operation and damage the cutter.

- It is recommended to include overvoltage (OVP) and transient protection in the power supply to the cutter.

- All electrical noise-generating equipment, such as fans, fluorescent lighting, and air-conditioning systems, should be kept separate from the power source used for your cutter.

Grounding

The cutter must be connected to a good-quality ground line in order to avoid electrical risk. Please note your obligation to comply with the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed.

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

- Grounding wires must be insulated and at least equal in size to the phase conductors.

- Ground impedance must be less than 0.5 Ω or comply with the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed.

3 Site preparation checklist

Safety requirements	Yes	No	Comments
Do those who will operate the equipment have the technical training and experience necessary to be aware of hazards to which they may be exposed in performing a task, and to take appropriate measures to minimize the risks?			(Required)
Is there an emergency exit in the print production area, with easy access and free from any obstruction?			

Electrical installation requirements	Yes	No	Comments
Is the single-phase line voltage inside the specified voltage range, 100–240 V?			(Required) Specify nominal mains voltage:
Has a branch circuit breaker (2 poles, 16 A/20 A general) been correctly installed?			(Required)
Is the Power Distribution Unit (PDU) correctly installed?			(Required)
Is the grounding conductor properly installed for the wall receptacle (wall socket)?			(Required)
Is the wall receptacle (wall socket) suitable for the power cord plug type provided by HP?			(Required)
Are the wall receptacle (wall socket) and electrical installation suitable for the equipment's rated current ? NOTE: See Table 2-4 for specific information.			(Required)
Is the wall receptacle (wall socket) placed close enough to the equipment that the plug can be plugged and unplugged easily? NOTE: See Table 2-5 for specific information.			(Required)

Electrical configuration requirements	Yes	No	Comments
Do you need an Uninterrupted Power Supply (UPS) or step-up transformer? If so, is it correctly installed?			

Networking and computer requirements	Yes	No	Comments
Is the RIP computer and software ready for installation?			
Have network connections been supplied?			
Do you need a web proxy? If so, write down proxy server name and port.			
Do you have a LAN cable long enough to connect the cutter to the network?			

Environmental requirements	Yes	No	Comments
Have the temperature and humidity requirements been satisfactorily met in the print production area?			
Have the temperature and humidity requirements been satisfactorily met in the storage area?			
Is the print production area free from dirt and dust?			
Does the print production area have sufficient lighting?			

Other requirements	Yes	No	Comments
Have you met the requirements specified in this guide?			(Required)

Date of site preparation completion

Site preparation guide edition number or copyright date

Customer signature