

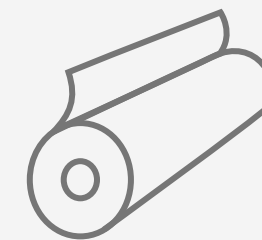
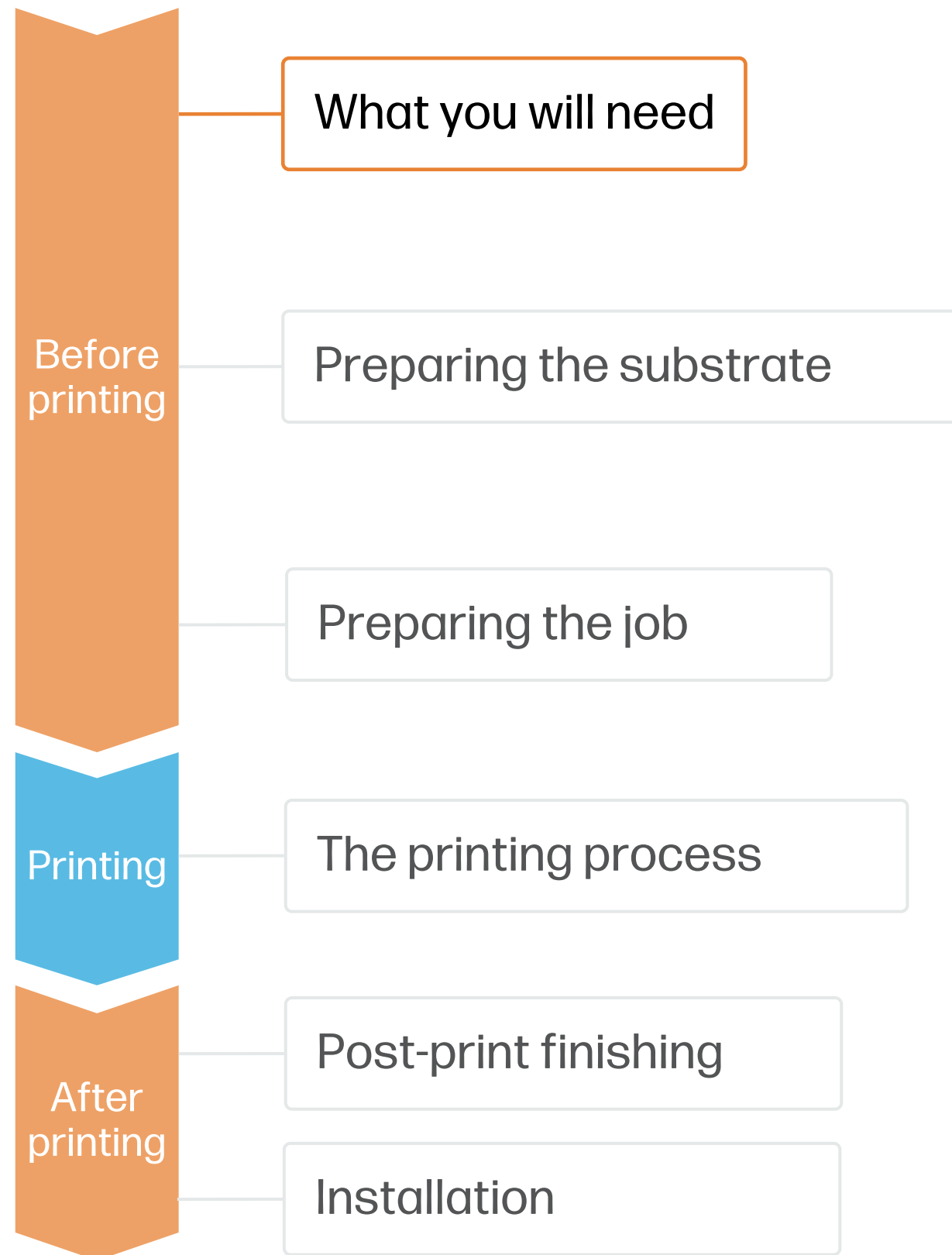
# How to create window blinds with HP Latex 2700 and HP Latex 2700W Printer Series

This document will explain how to work on different types of textiles, and interior decoration.

A deep dive training about [HP Latex 2700/2700W Printer series - Window blind application](#) is available in the Learn App from your PrintOS account.



## What you will need



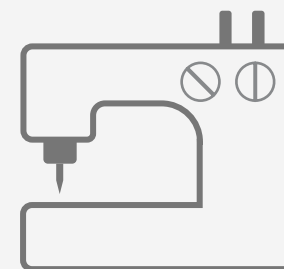
Textile substrates



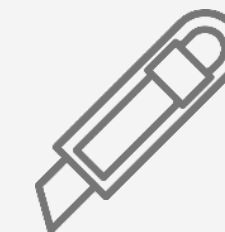
SW tools (RIP, Adobe tools, etc.)



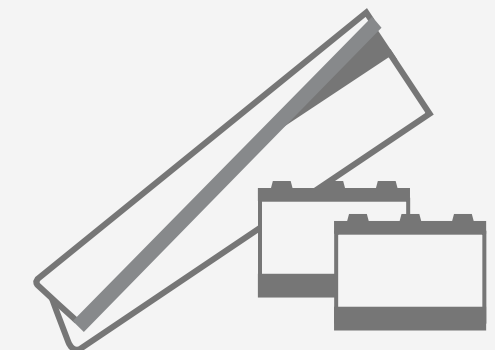
Printer



Sewing machine

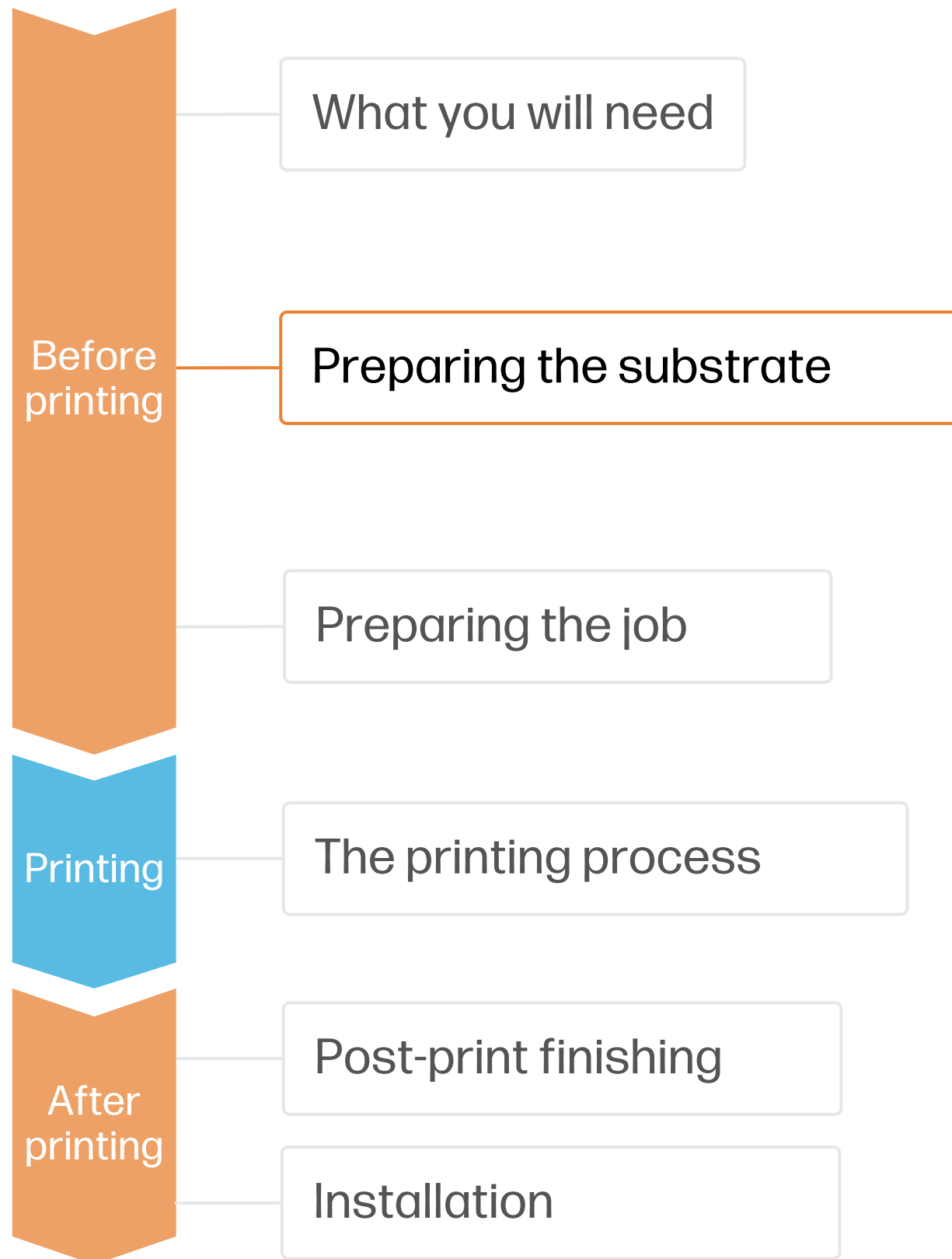


Cutting device



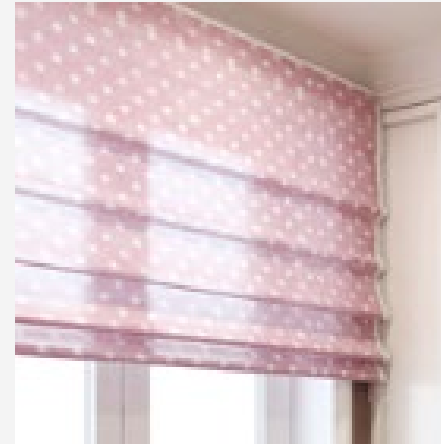
Textile kit; ink collector, foams and output platen protector

## Preparing the substrate

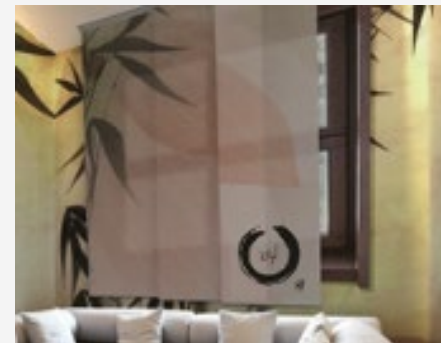


### 1. Choose the right substrate

Window blinds are commonly manufactured in one of these base materials:



- **Polyester fabrics:** Polyester yarn directly woven to form a fabric, potentially treated or coated for special characteristics: stiffness, special touch-and-feel or light-blocking properties.



- **PVC screens:** Yarns with a polyester or glass fiber core covered with a PVC surface woven into a fabric.



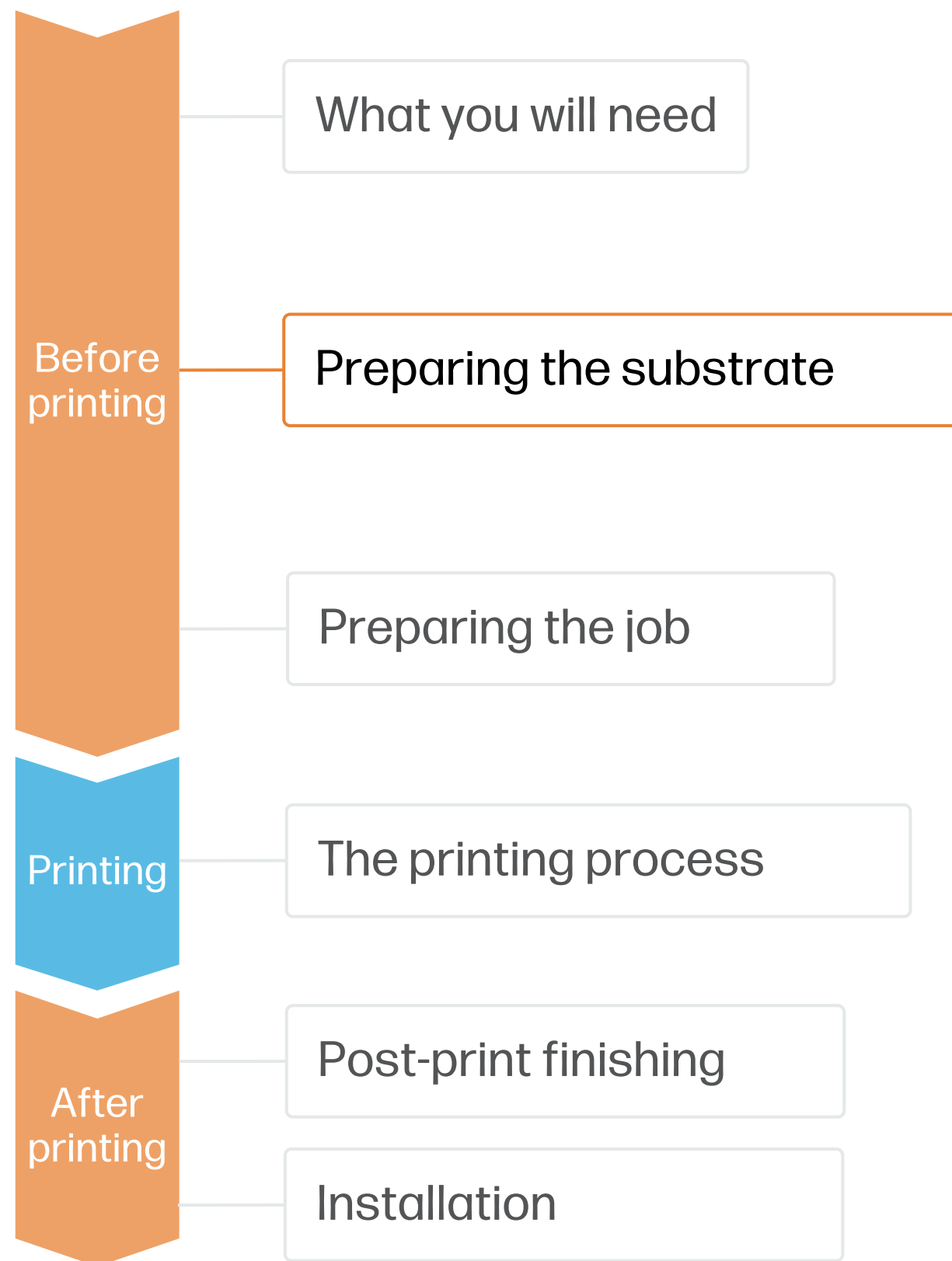
- **Others:** Cotton or other natural fibers are often used for curtains, but seldom for other kinds of blinds. Venetian blinds are normally composed of rigid materials like aluminum, plastic or wood.

The HP Latex technology can print on all flexible materials: polyester fabrics, PVC screens and natural fibers



Make your decision based on your needs

## Preparing the substrate



## 2. Durable soft signage textiles

One important property of printed textiles used in applications like retail PoP and exhibition graphics is their “dry rub” performance. The standard used to measure the dry rub test is ISO 105-X12.

### A. Importance of dry rub resistance

Textiles with good dry rub test results are suitable for **sewing, finishing, and transporting**. Further, they are easily installable without being damaged. HP is constantly analyzing new materials to add to the numbers of textiles that are excellent for use with **HP Latex Inks**.

### B. Testing method and classification

Dry rub resistance is measured according to ISO 105-X12, using the Taber Linear Abraser with the crock tool and cotton fabric as abrader.

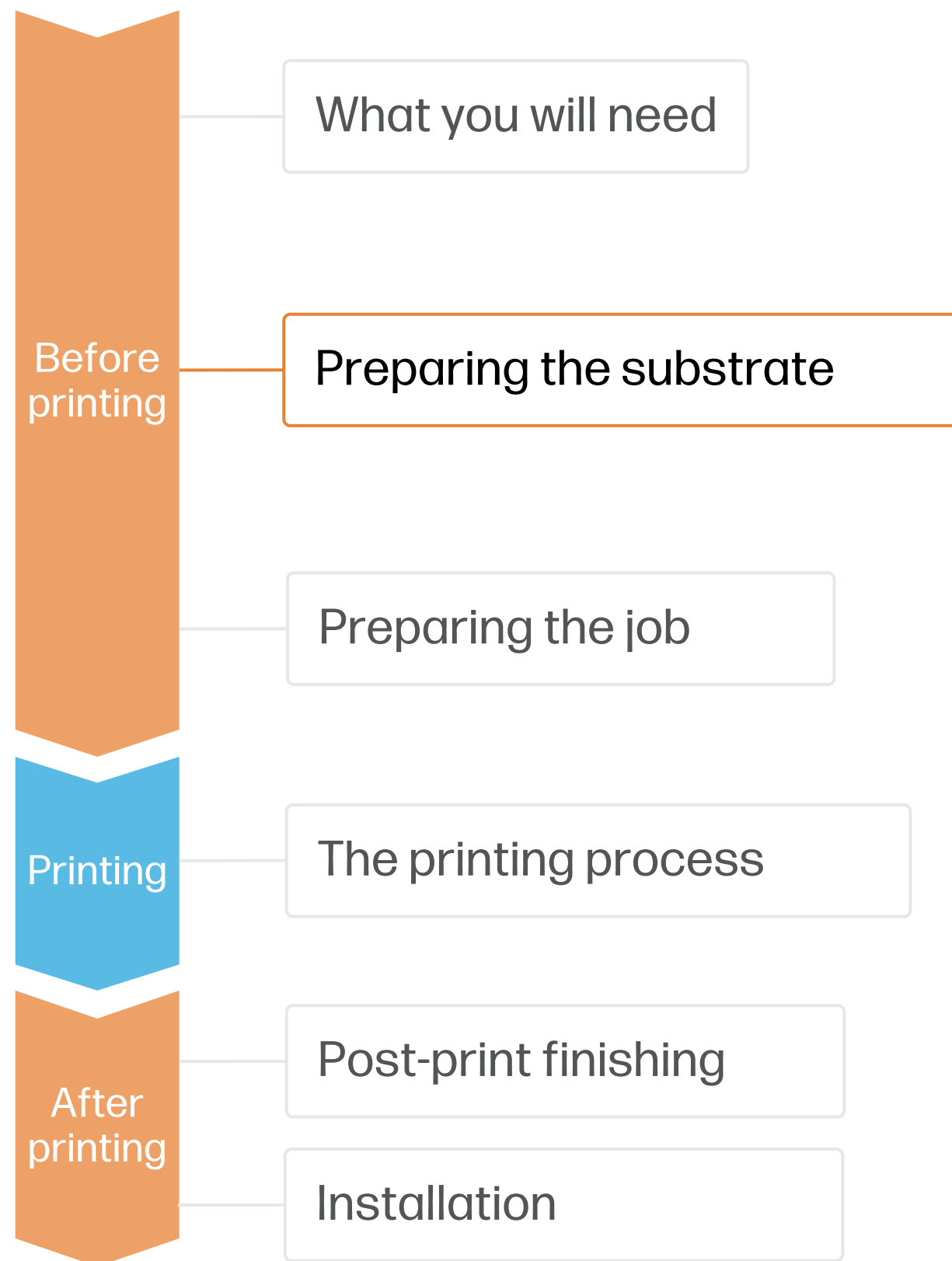
The colorfastness of the prints has been evaluated. **Textiles with good or excellent results are scored as a 4 or 5, respectively.**

Textiles printed with HP Latex Technology with a dry rub performance equal to or greater than a 4 are a good fit for Soft Signage applications and are classified as Durable Textiles.

**Durable Textiles** are identified in the **PrintOS Media Locator** with the following logo:



## Preparing the substrate



### 3. Substrate presets

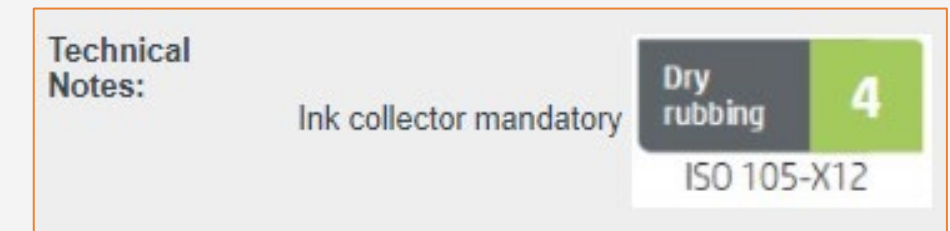
- Check that the material you are going to use has its own substrate preset:
  - a) On the **web**, in the HP PrintOS Media Locator: [www.printos.com/ml/#/medialocator](http://www.printos.com/ml/#/medialocator)
  - b) On the **web**, from the substrate vendor's or RIP vendor's websites
- Download and install.

**NOTE:** If you cannot find the substrate presets, you can always use the **generic textile** or **generic backlit textile** presets already installed in your printer. If you need to fine-tune some settings, **clone** the existing generic preset and modify it, or create a new one with the **Add new substrate** function on the front panel.

**TIP:** Learn how to customize your profile by enrolling on the available trainings HP Latex 2700/2700 W Printer series. [Basic](#) or [Advanced](#) certifications

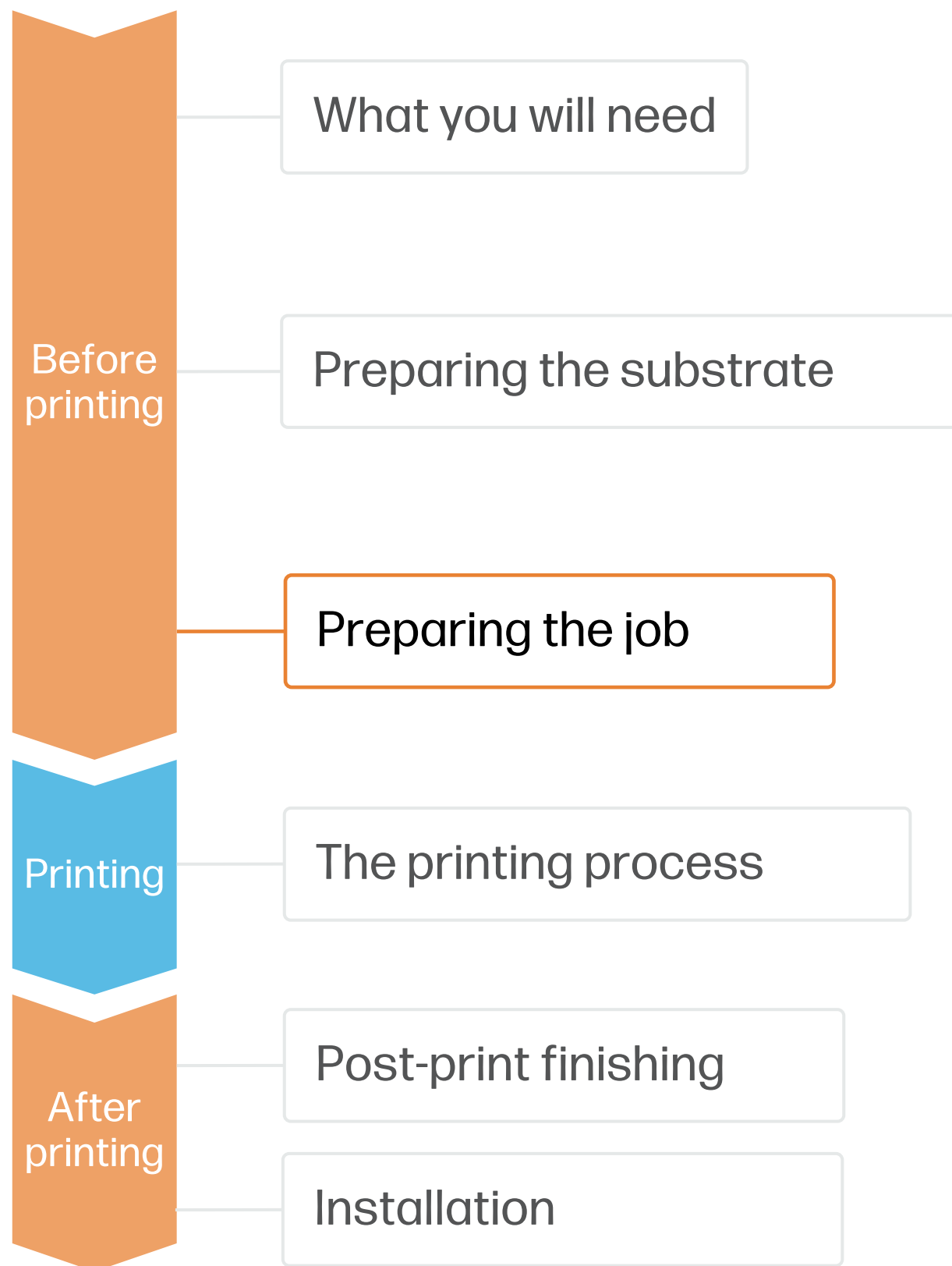
### 4. Substrate porosity

- It's very important to know the porosity of your fabric, approximately whether it is porous or non-porous.
  - a) If porous, it is necessary to install the **ink collector accessory** on the printer.
  - b) Check the information in the **Technical notes** for your substrate, available in the HP PrintOS Media Locator.
- How to **check the porosity** of your textile substrate:
  1. If the printer has any substrate loaded, unload it
  2. Cut a piece of self-adhesive vinyl white gloss 15 × 50 mm (0.6 × 2 in) in size
  3. Stick it to the platen, covering the substrate-advance sensor
  4. Load the substrate that you want to check
  5. Open your RIP software
  6. Obtain the test file from the printer's built-in computer:  
C:\Users\hplatex\Documents\HP IPS\InkTrespassingCheck\Ink\_trespassing\_check.pdf.

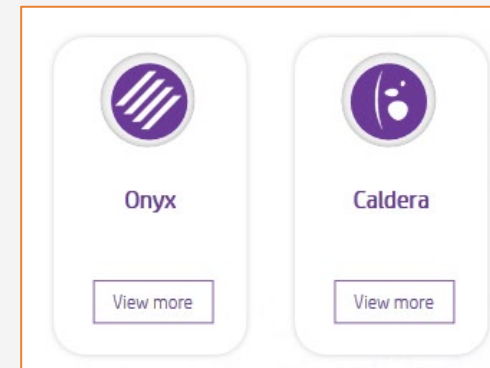


7. Print the test file using the number of passes and substrate preset that you intend to use in future with this substrate
8. Unload the substrate.
9. Remove the strip of self-adhesive vinyl from the platen
10. Look at the self-adhesive vinyl you have taken from the platen.
  - If the strip is completely white (has no ink on it), the tested substrate is non-porous
  - If the strip is completely white (has no ink on it), the tested substrate is non-porous
11. Clean the platen

## Preparing the job



## 1. RIP processes



ONYX and CALDERA RIPs have been certified for HP Latex 2700/2700W Printers series.

**NOTE:** Please refer to the specific trainings on RIPs at the PrintOS Learn App.



Make your decision based on your needs

### A. Substrate & Printmode selection

**NOTE:** Before selecting the substrate in the RIP, it must be loaded on the printer

- Choose the substrate type (Textile), then select the specific substrate you have loaded on the printer, or a generic preset.
- Next, choose the printmode:

Substrate	Printmode
Frontlits	6p130ink or 10p170ink.

### B. Image size & tiling

- Modify the image size to adapt it to your specific window.

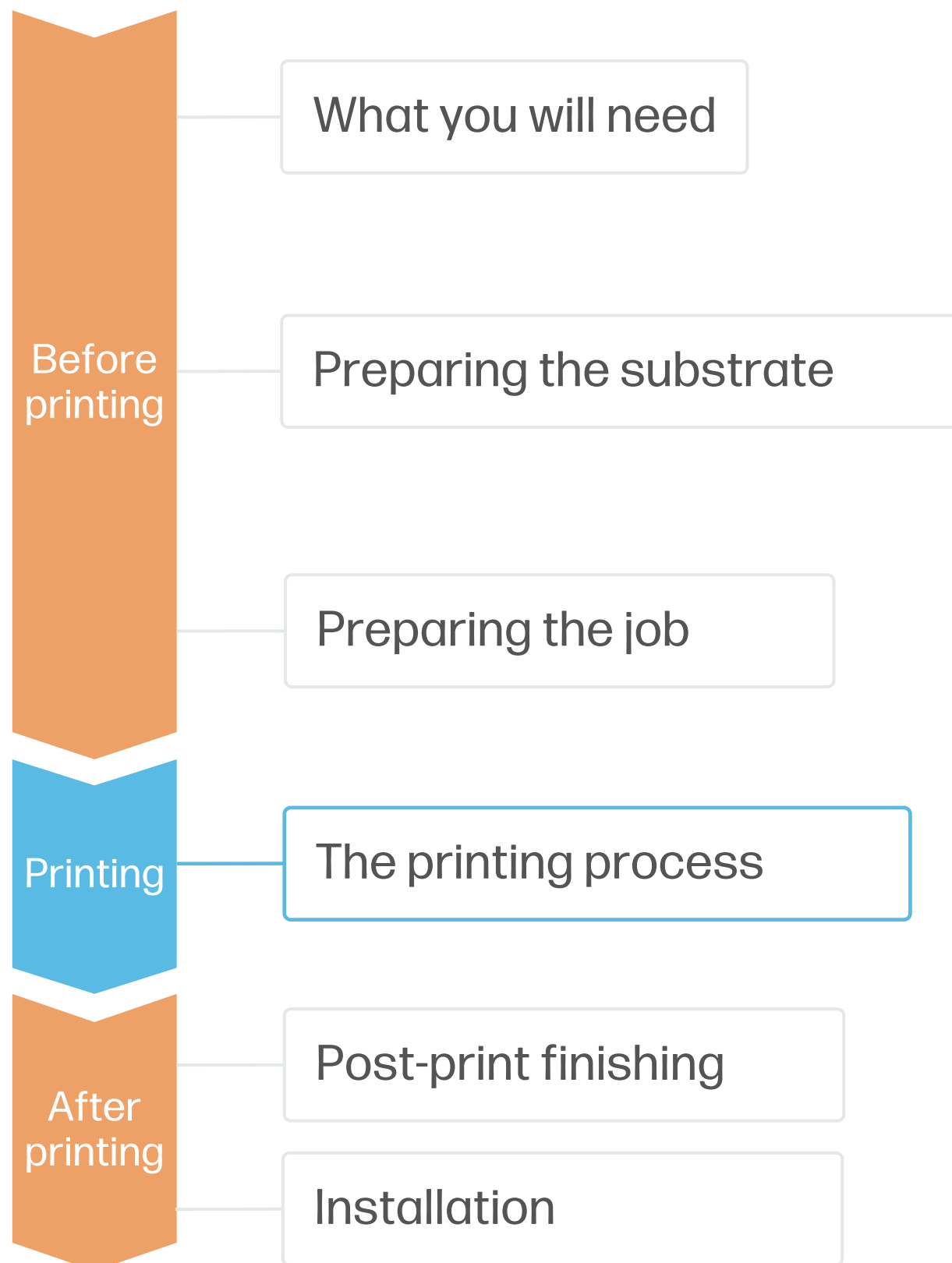
### C. Finishing: cutting marks & other

- Select the automatic cutter you will use for cutting your jobs.
- Configure the cutting marks for that cutter: trim box, placement, and type of barcode.
- Add **labels** to identify each tile.

**NOTE:** Each RIP has different ways to set the cutting marks. Please refer to the RIP manuals.

# How to do window blinds

## The printing process

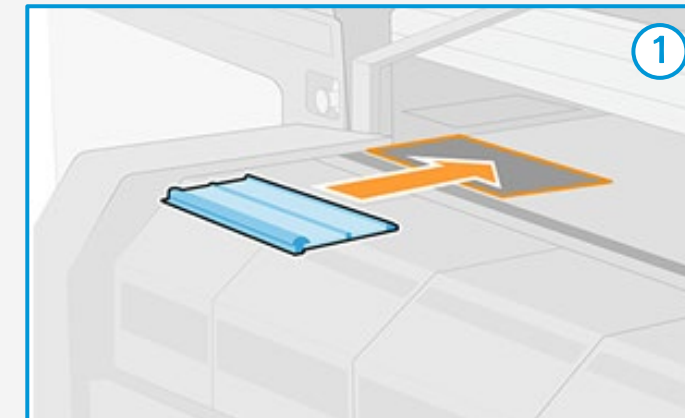


## Load the substrate | Ink collector

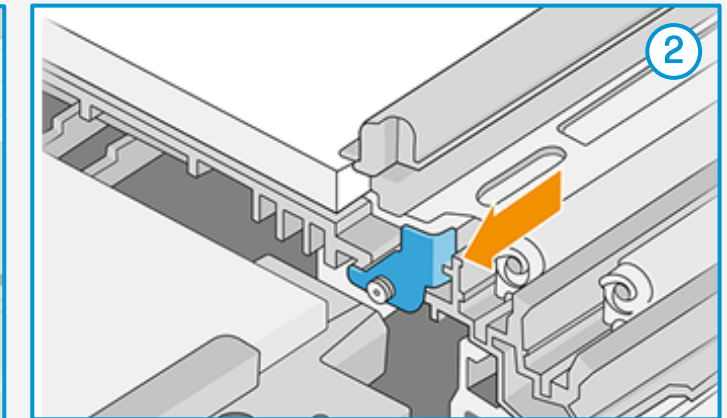


**NOTE:** Perform the printhead nozzle check and printhead alignment on white self-adhesive vinyl **before** loading a textile,

**1.** Ink collector (optional)  
Be sure you have installed the ink collector **when the fabric is porous.**



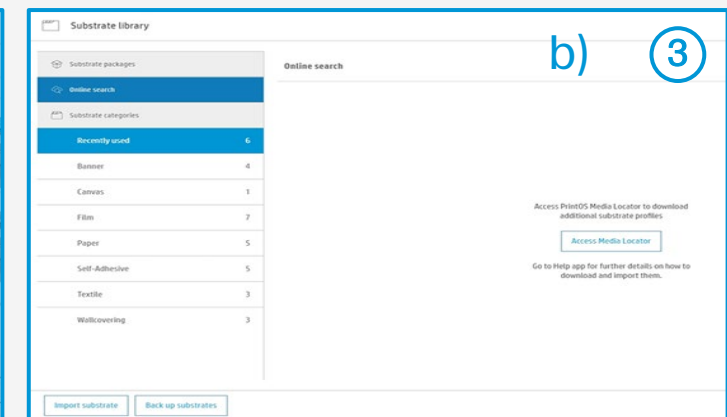
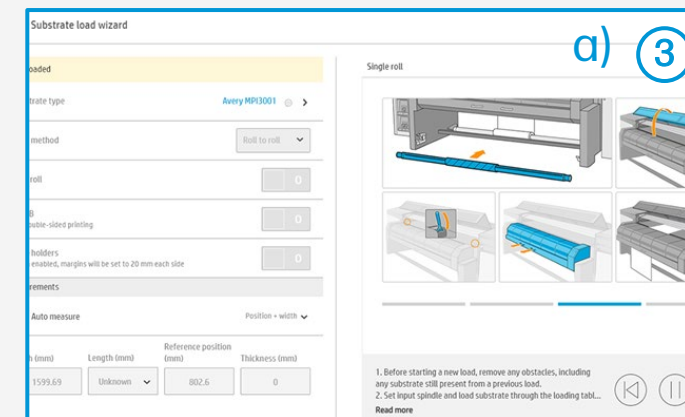
**2.** Slide the module to the left until it reaches the stop. Insert all the ink collector modules from the left to the right



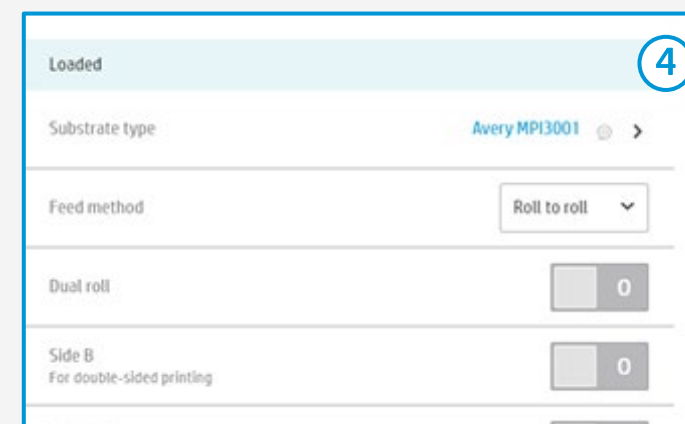
**TIP:** Before loading the substrate, check the printing side of your fabric: usually, the print side is on the inside in most fabrics for digital printing.

**3.** Load substrate from printer Control Panel

- a) From the substrate menu, tab **Load substrate.**
- b) Select Online search from the Internal Print Server to download your substrate or select a generic from **Textile** and tab **Continue**



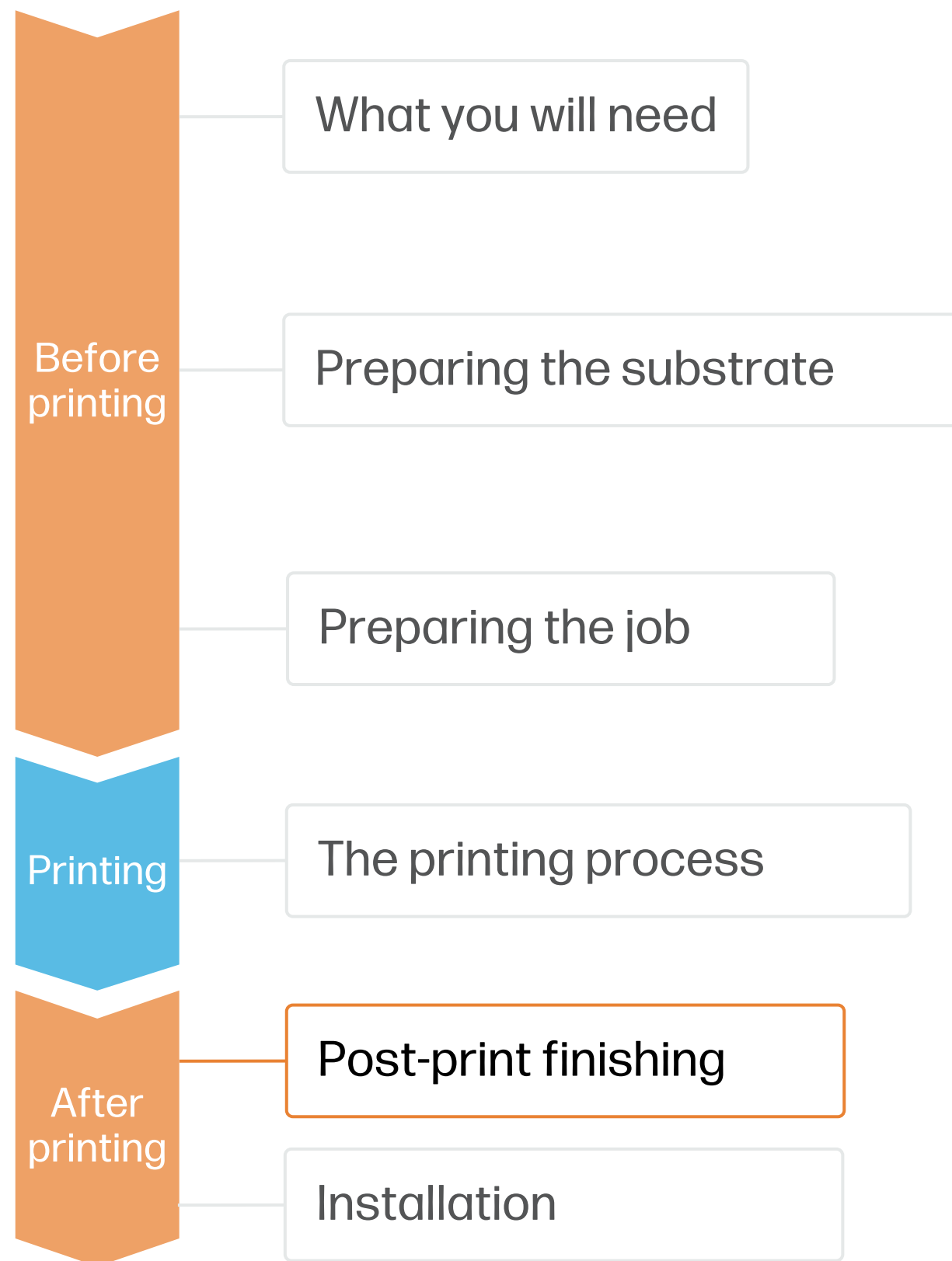
**4.** Select the desired loading options



**TIP:** Ensure that the loading accessory is aligned with your substrate width.

**NOTE:** Please consult the [User Guide](#) for further details on ink collector, output platen protector, and loading accessory installation.

## Once printed, what else?

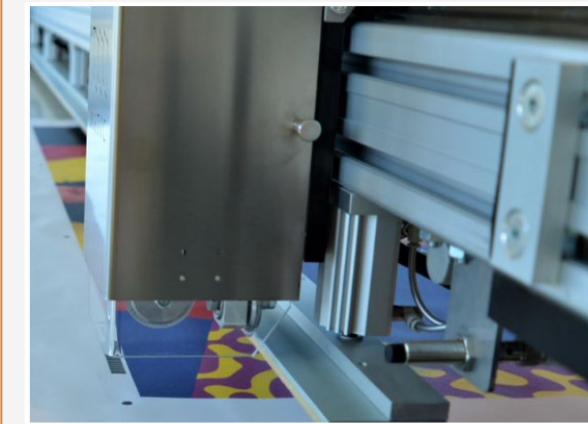


## 1. Cutting

HP Latex prints are compatible with all standard techniques. However, some techniques are more suitable for particular materials than others.



Ultrasound  
Polyester fabrics



Pressure knife cutter

- Polyester fabrics
- Natural fiber fabrics

**TIP:** If your fabric tends to **fray** at the edges, you can always **sew** them.

## 2. Sewing or Welding

In order to mount the fabric on the windows, two common finishing solutions are Velcro strips, sewing or welding



Velcro

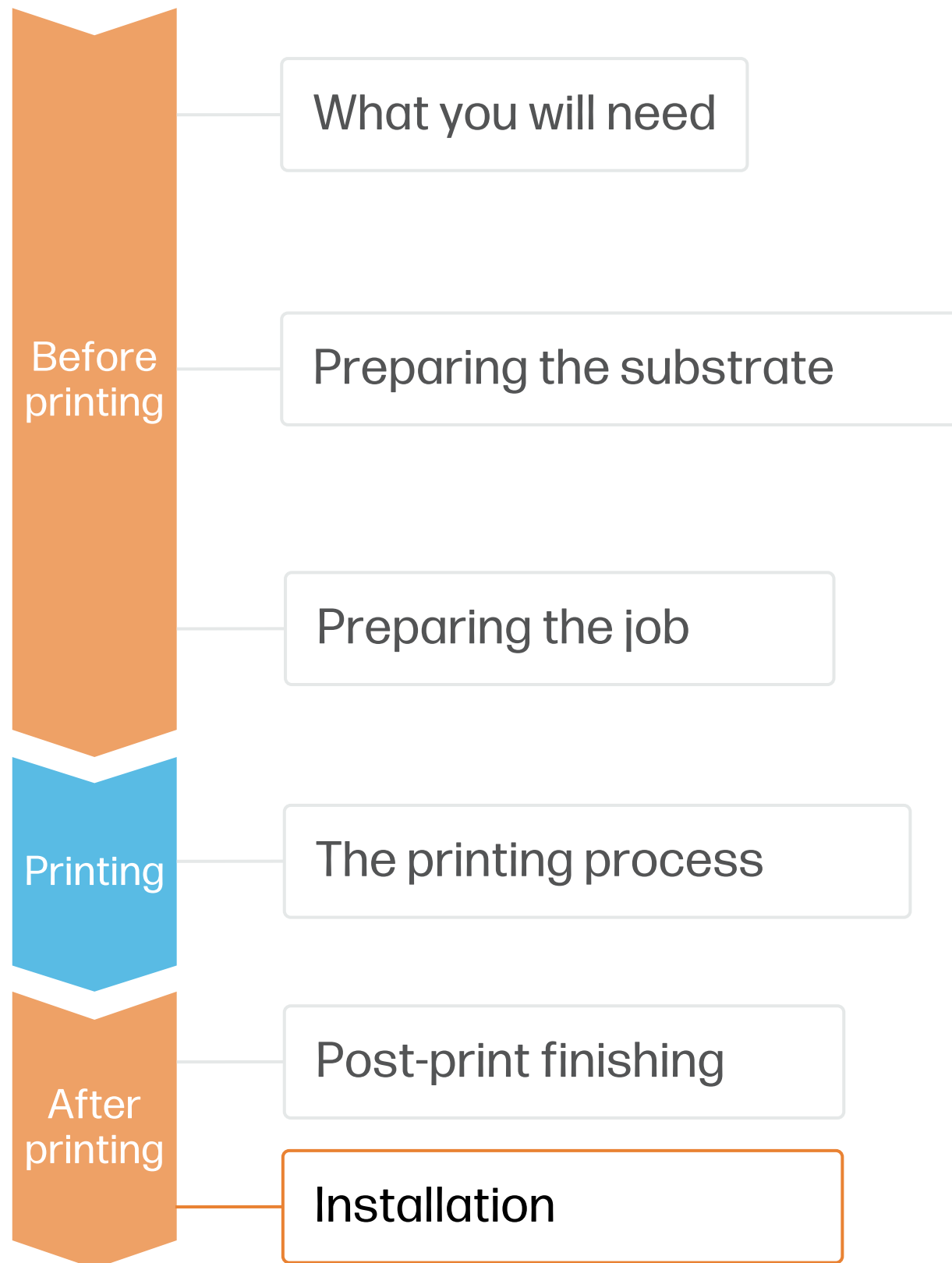


Welding



# How to do window blinds

## Installation











## 1. Types of window blinds by mechanism

- There are many types or configurations of window blinds. These are the most remarkable:



Make your decision based on your needs



<b>Roller</b> 	The fabric rolls into a cylinder when collected	<b>Pleated</b> 	The fabric folds into an accordion when retracted
<b>Roman</b> 	The fabric folds as it is retracted from the extended position	<b>Zebra / Day &amp; Night</b> 	Alternative translucent and block-out strips can be aligned for different translucency levels
<b>Vertical</b> 	The fabric strips hanging vertically are tilted to control the amount of light passing through	<b>Curtains</b> 	The fabric is hung without tension and displaced laterally
<b>Panels</b> 	The fabric is not collected or retracted but displaced laterally	<b>Venetian</b> 	The rigid horizontal slats are tilted to control the amount of light passing through

# How to do window blinds

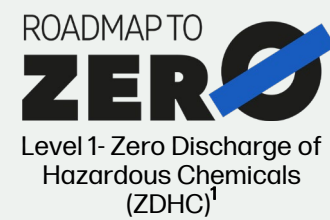
## Remarks

- Print onto polyester and cotton fabrics, with or without an inkjet coating.
- Trouble-free printing onto porous textiles, with the HP Ink Collector.
- The new HP Latex inks are ideal for indoor decoration applications since they are certified: Roadmap to Zero Level 1 - Zero Discharge of Hazardous Chemicals (ZDHC), UL Ecologo, UL GREENGUARD Gold certified.
- With HP Latex 2700 and 2700W printer series, you can print onto textiles at speeds of up to 69m<sup>2</sup>/h.

Learn more at:

- [HP Latex Knowledge Center](#)
- [Learn with HP](#)

### Certifications:



Inks meet stringent health and environmental criteria<sup>2</sup>



Unrestricted, full room. No-wait installation or lamination<sup>3</sup>

<sup>1</sup>**Zero Discharge of Hazardous Chemicals.** Applicable to HP Latex Inks. The ZDHC Roadmap to Zero Level 1 demonstrates that an ink conforms to or meets the standards of the ZDHC Manufacturing Restricted Substances List (ZDHC MRSL) 1.1, a list of chemical substances banned from intentional use during production. ZDHC is an organization dedicated to eliminating hazardous chemicals and implementing sustainable chemicals in the leather, textile, and synthetics sectors. The Roadmap to Zero Program is a multi-stakeholder organization which includes brands, value chain affiliates, and associates, that work collaboratively to implement responsible chemical management practices. See [roadmaptozero.com](http://roadmaptozero.com).

<sup>2</sup>**Applicable to R Series and 700/800 Printer series HP Latex Inks.** UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle-based stringent criteria related to human health and environmental considerations (see [ul.com/EL](http://ul.com/EL)). HP is the only printing company with UL ECOLOGO® Certified inks in the "Printing Inks and Graphics Film" product category, see [spot.ul.com/main-app/products/catalog/](http://spot.ul.com/main-app/products/catalog/).

<sup>3</sup>**Applicable to HP Latex Inks.** UL GREENGUARD Gold Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. Unrestricted room size—full decorated room, 33.4 m<sup>2</sup> (360 ft<sup>2</sup>) in an office environment, 94.6 m<sup>2</sup> (1,018 ft<sup>2</sup>) in a classroom environment. For more information, visit [ul.com/gg](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

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