

How to print on canvas with HP Latex 700 and HP Latex 800 Printer Series

This document will explain how to print on different types of canvas, including post-print finishing.

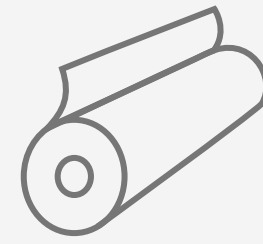
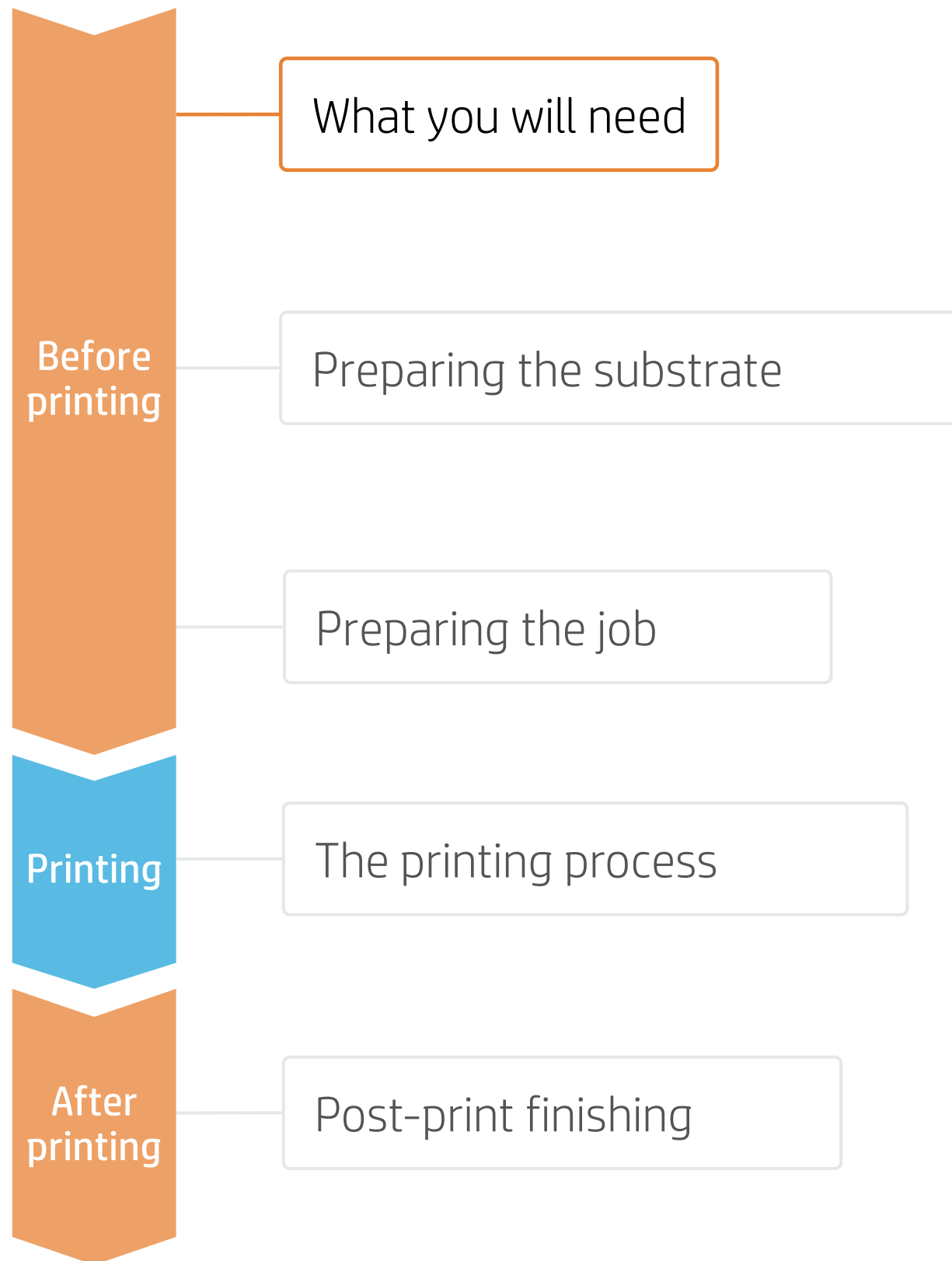
A deep dive training about HP Latex 700/800 Printer series - **Canvas for home decoration** is available in the Learn App from your PrintOS account. See more details in [this article](#).



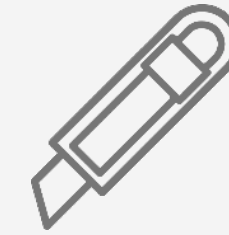
How to print on canvas



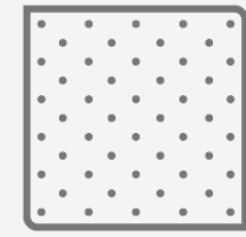
What you will need



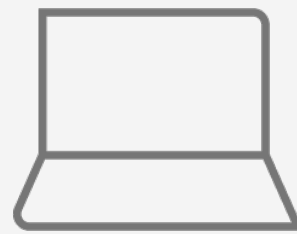
Canvas



Cutting device



Clean cloth



SW tools
(RIP, Adobe tools, etc.)



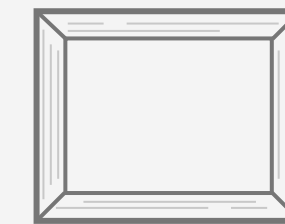
Printer



Precision ruler



Canvas pliers



Wood stretcher bars
(frames)



Heavy Duty Staple Gun

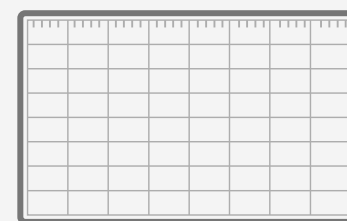


Table protection



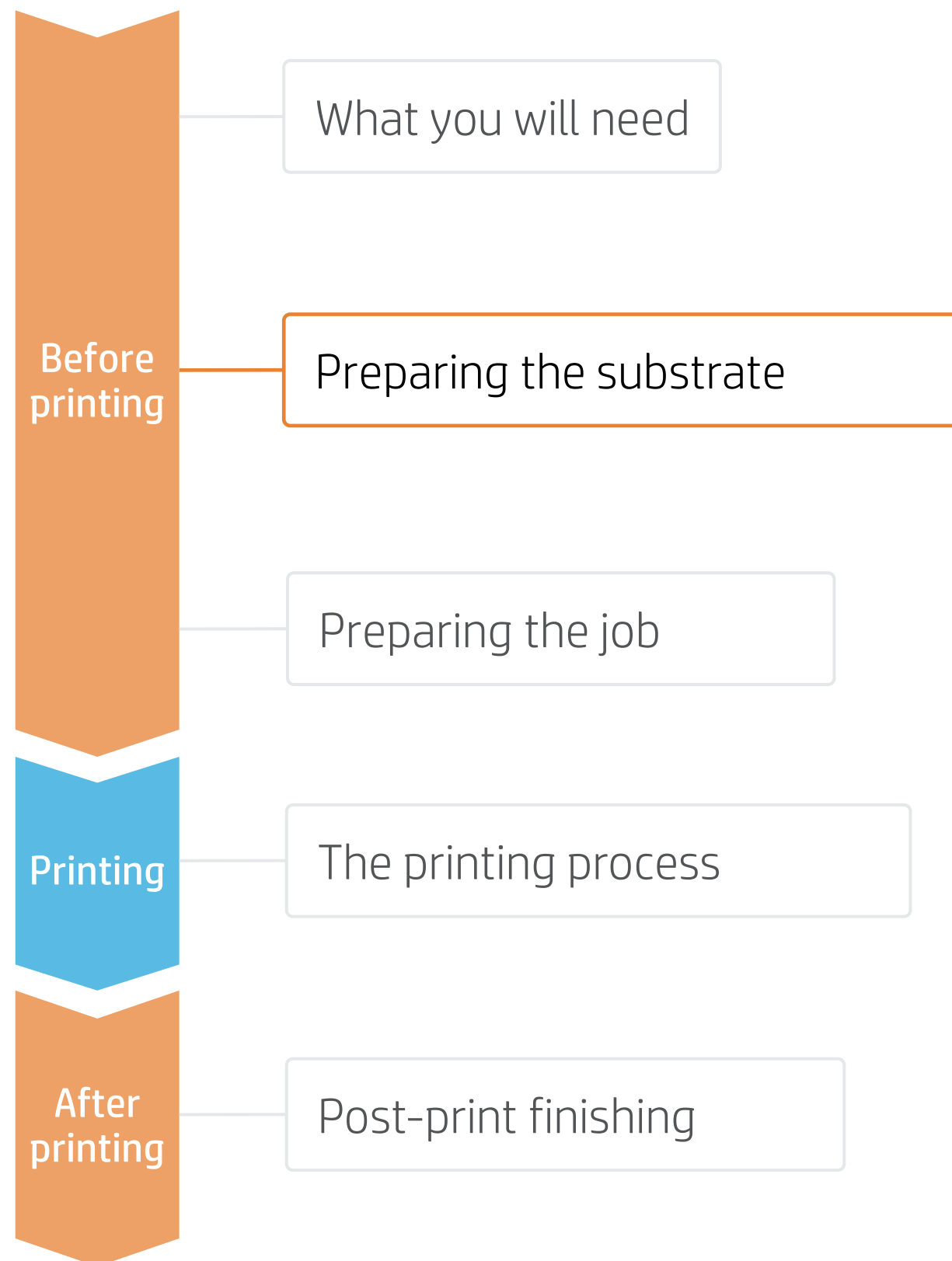
Wedges



Canvas backing tape

How to print on canvas

Preparing the substrate



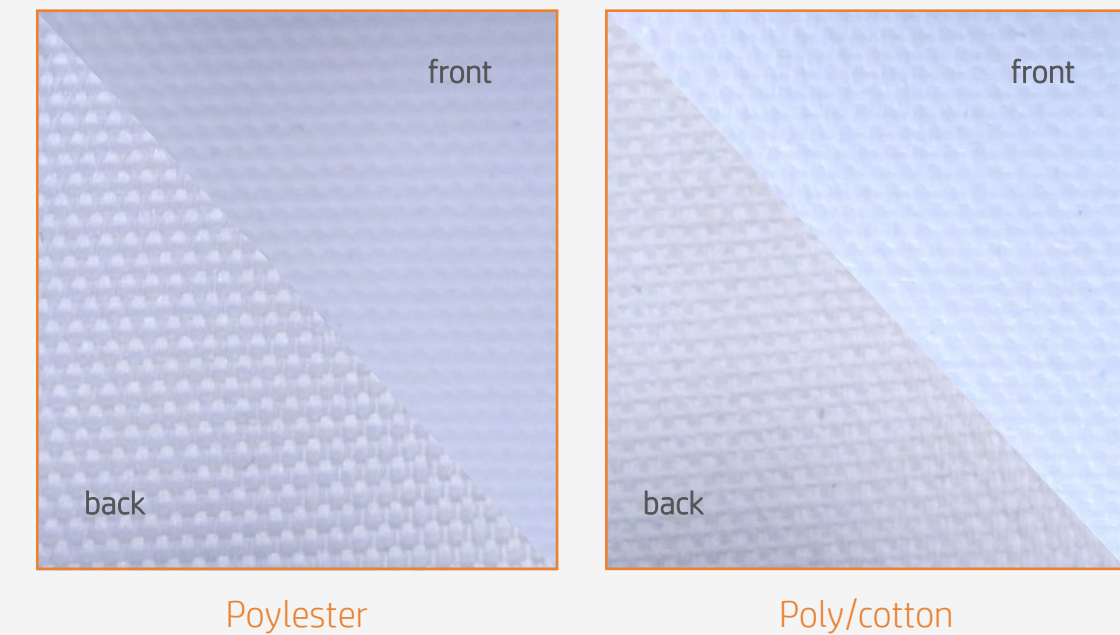
1. Types of canvas

By raw material

- Polyester/cotton
- 100% cotton
- 100% polyester

By finishing

- Matte, semi-glossy, satin, natural, metallic, luster, matte



NOTE: If you use a canvas with colored finishing such as silver, gold or natural fibers you may need to add a **white ink layer**

2. 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
 - b) On the printer's **front panel** online search (Substrate Library)
 - c) On the **web**, from the substrate vendor's or RIP vendor's websites
- Download and install.

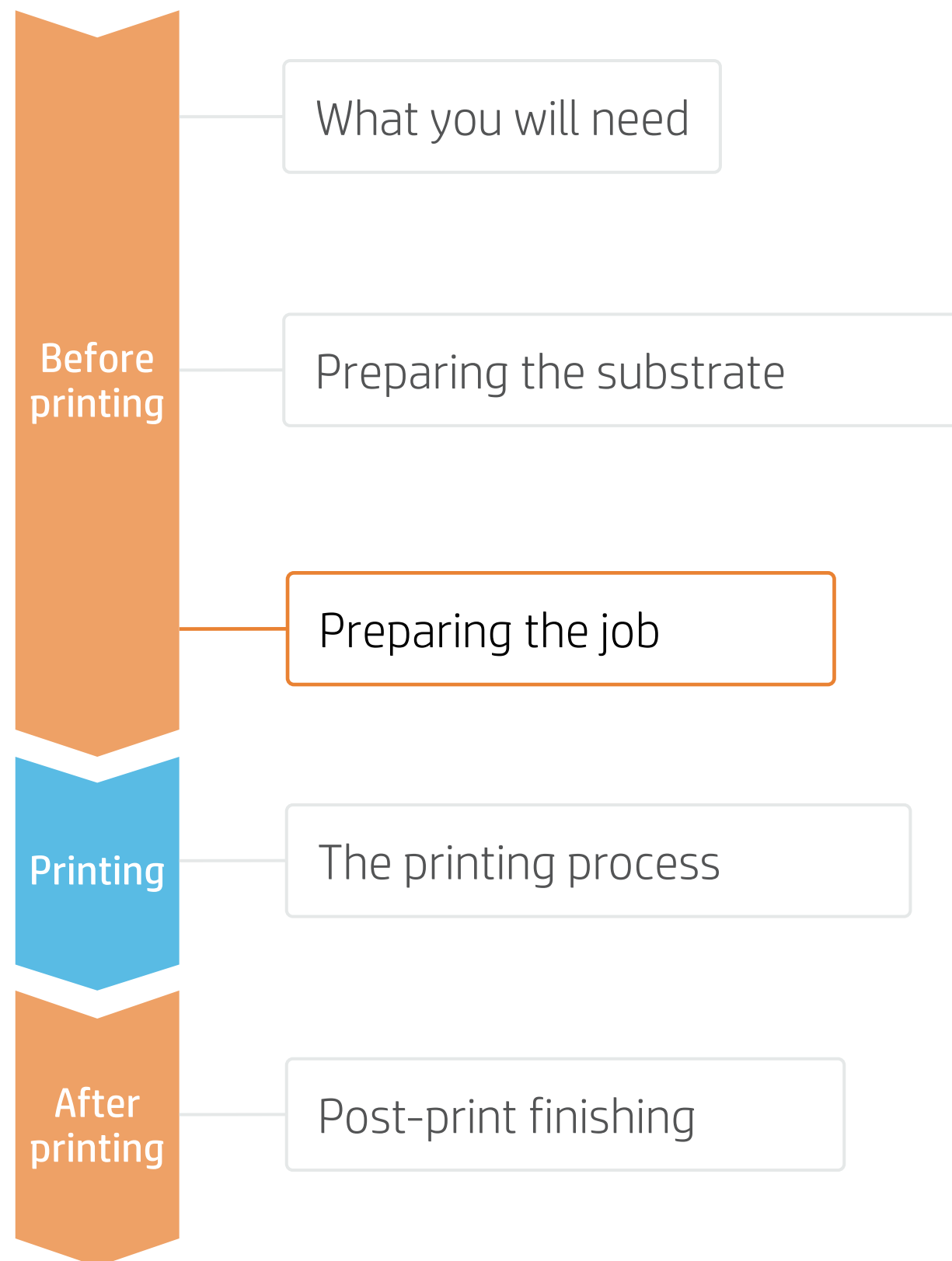
NOTE: If you cannot find the substrate presets, you can always use the **generic presets for canvas** already installed in your printer. If you need to fine-tune some settings, clone the existing generic preset and modify it, or create a new one with the **Add new substrate** function on the front panel.

TIP: Learn how to customize your profile by enrolling on the available training HP Latex 700/800 Printer series – Advanced main tasks and maintenance routines on the [Learn with HP website](#).



How to print on canvas

Preparing the job



1. Software for designing and editing

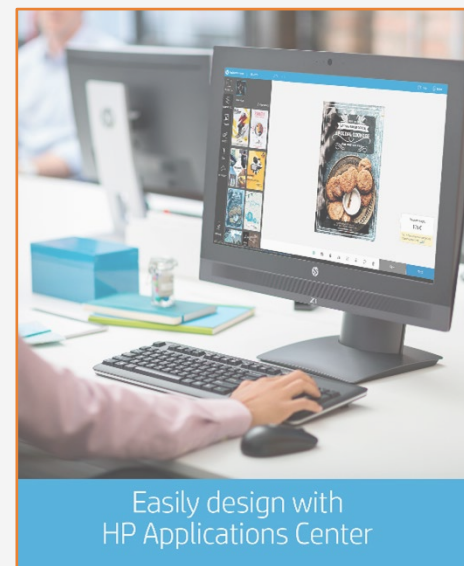
Tools such as HP Application Center (HP WallArt), Adobe Illustrator, Photoshop, and InDesign help you design and edit jobs and adapt them to your needs.



Make your decision based on your needs



A. HP WallArt



Easily design with HP Applications Center

HP WallArt is part of HP Applications center, a complete package of tools to boost your business.

EXPAND YOUR KNOWLEDGE: For further detailed information regarding the HP Applications center and how to log in for the first time, get the available **webinar** in this [link](#) !

How does it work?

1

Join the platform
Simple, easy sign-in with your HP printer serial number

2

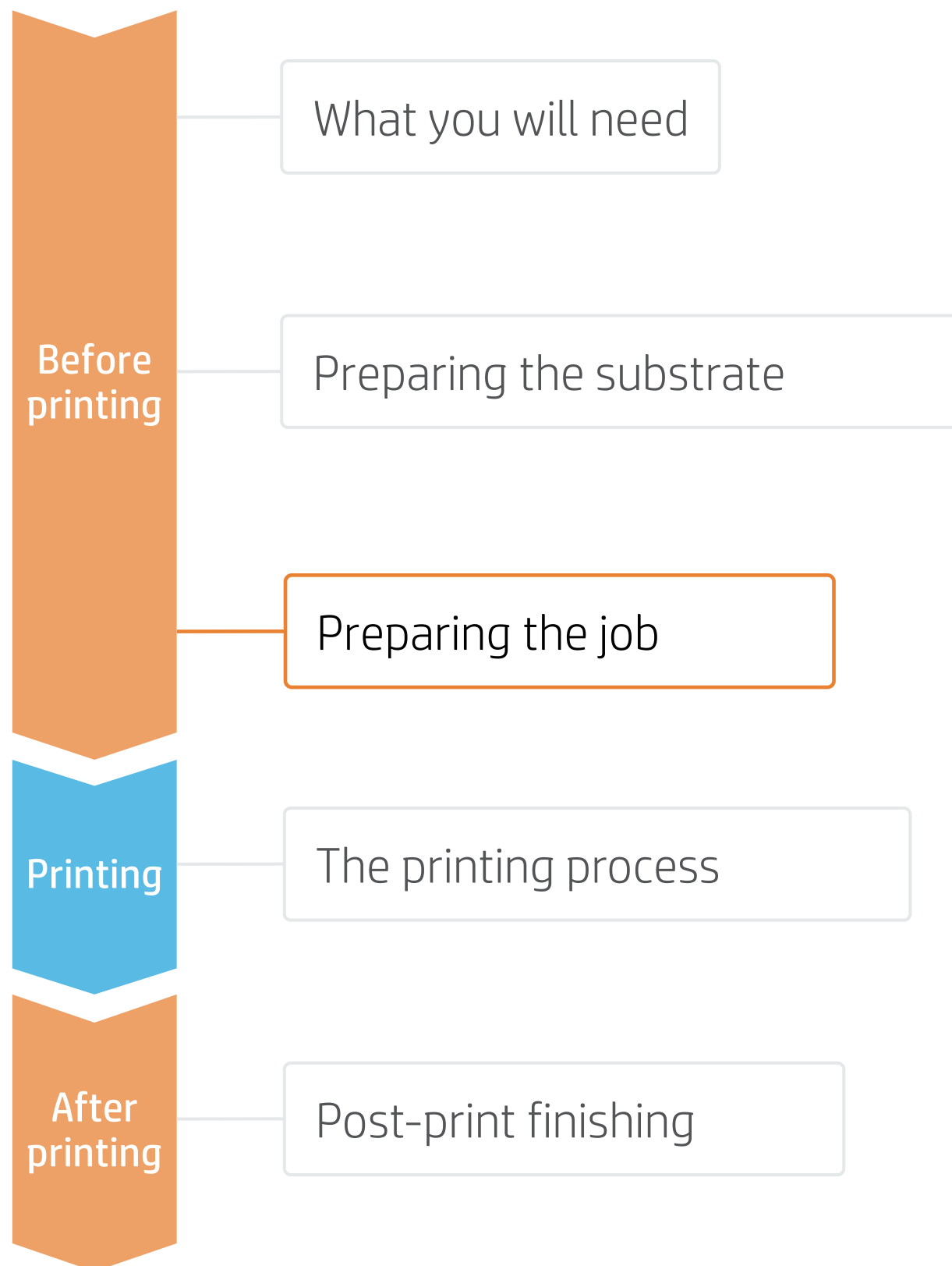
Choose web app
Select the standalone decorative web apps you want to produce and allow your customers to create and visualize the design with a simulation for each unique environment.

3

Manage orders
Manage production efficiently with automatic, reliable, print-ready PDF generation, as well as customer, order, and content management tools.

How to print on canvas

Preparing the job



2. Canvas size

Choose the size of the frame you want to stretch the canvas on and adapt the image size accordingly.

TIP: Take into consideration the frame size to add to each side of the image: 1.5x the thickness of the frame bar.

3. Canvas edges style

Select the type of edge style you want for your canvas:

- **None** - Image folded or stretched
- **Mirrored**
- **Pixel stretch** (with different effects: blur, gradients, distortion)
- **Solid color edge** (black, white...)



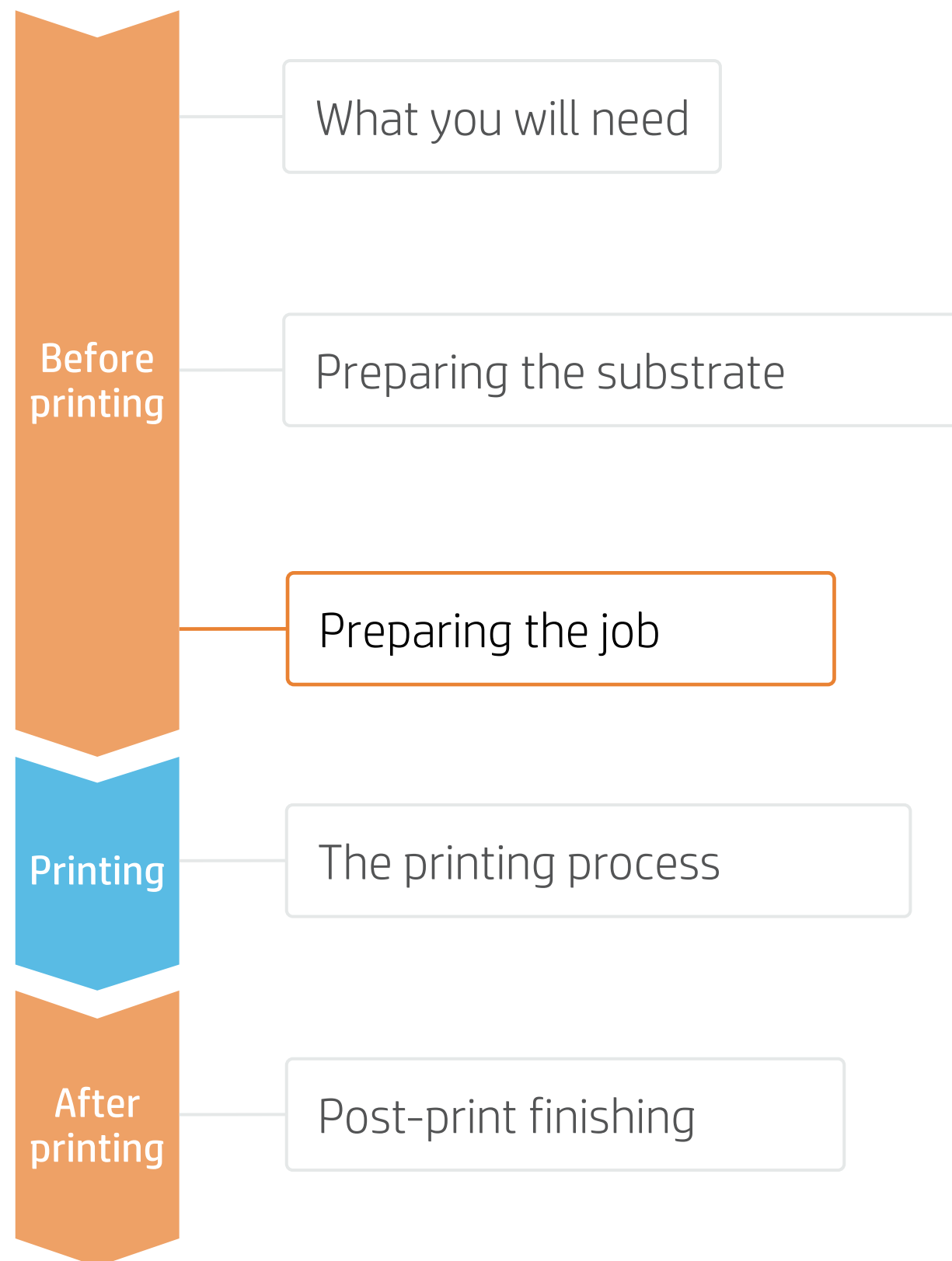
NOTE: Image modification (size, edge styles) can be set either in the editing software or in the RIP.



Make your decision based on your needs

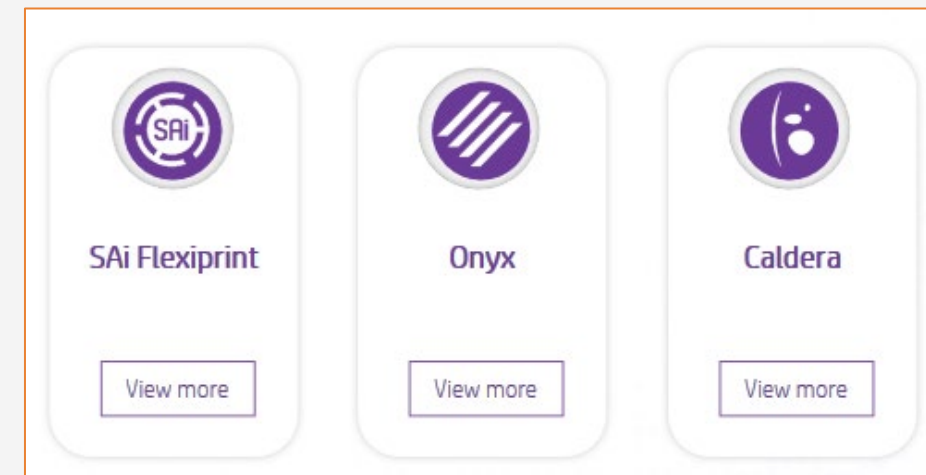
How to print on canvas

Preparing the job



4. RIP processes

ONYX, CALDERA, and SAi RIPs have been certified for HP Latex 700/800 Printers series. All these rips have specific options for canvas job editing.



Make your decision based on your needs

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

A. Substrate & Printmode selection

- Choose the substrate type, then select the specific media you have loaded on the printer.
- Finally, choose the printmode: normally **6p mode** gives good quality prints with canvas.

B. Image size & bleed

- Modify the image size according to the frame size.
- Add the amount of bleed required to stretch the canvas around the frame bars.
- Choose the type of bleed you desire (mirror, solid color, pixels stretched).

C. Finishing: cutting marks & others

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

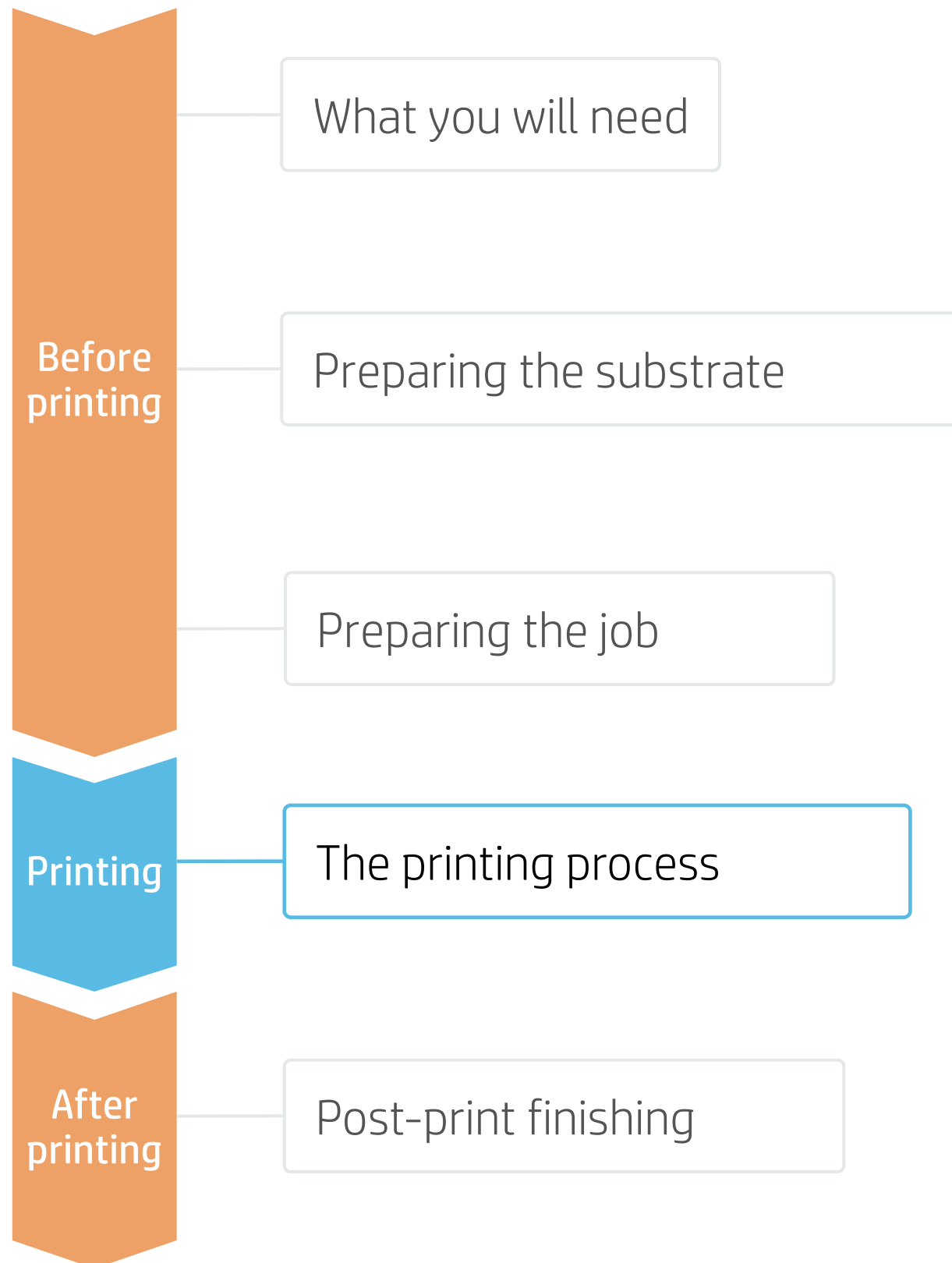
NOTE: To work with white ink layers, learn how to create it with Illustrator and Photoshop by enrolling on the available training HP Latex 700/800 Printer series - White ink on the [Learn with HP website](#), or refer to the cookbook [How to print on white](#).



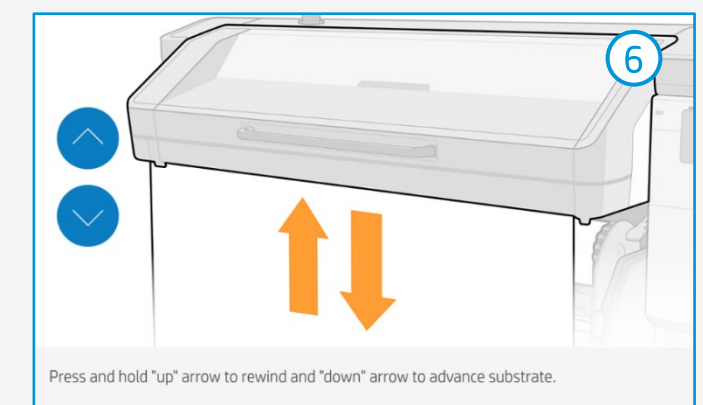
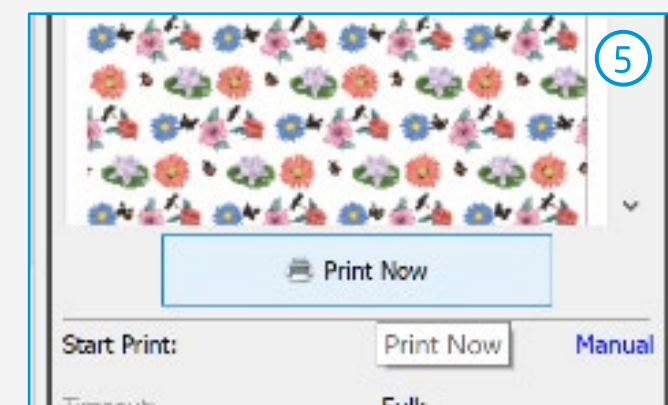
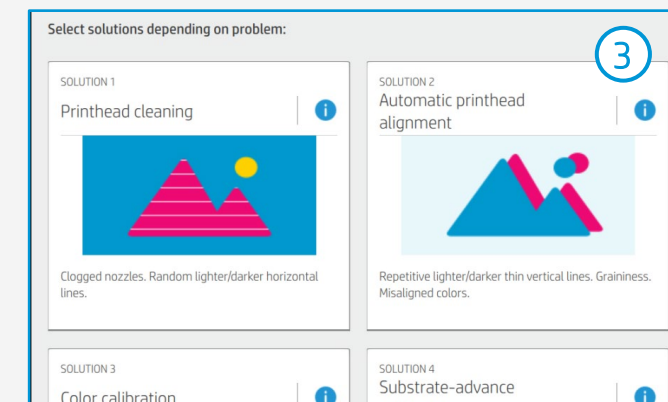
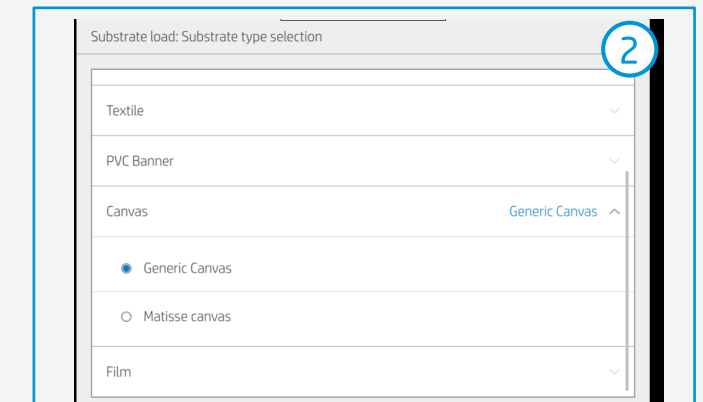
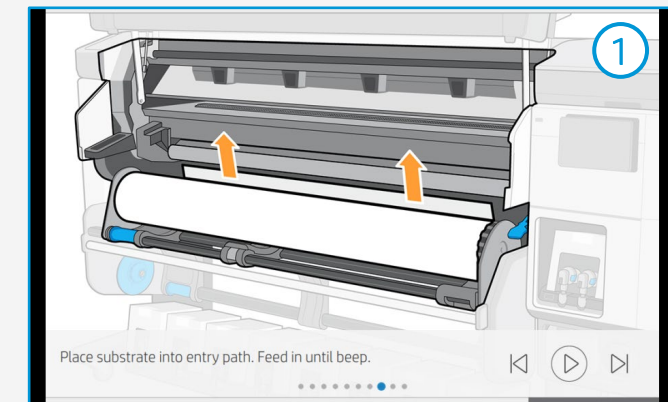
How to print on canvas



The printing process



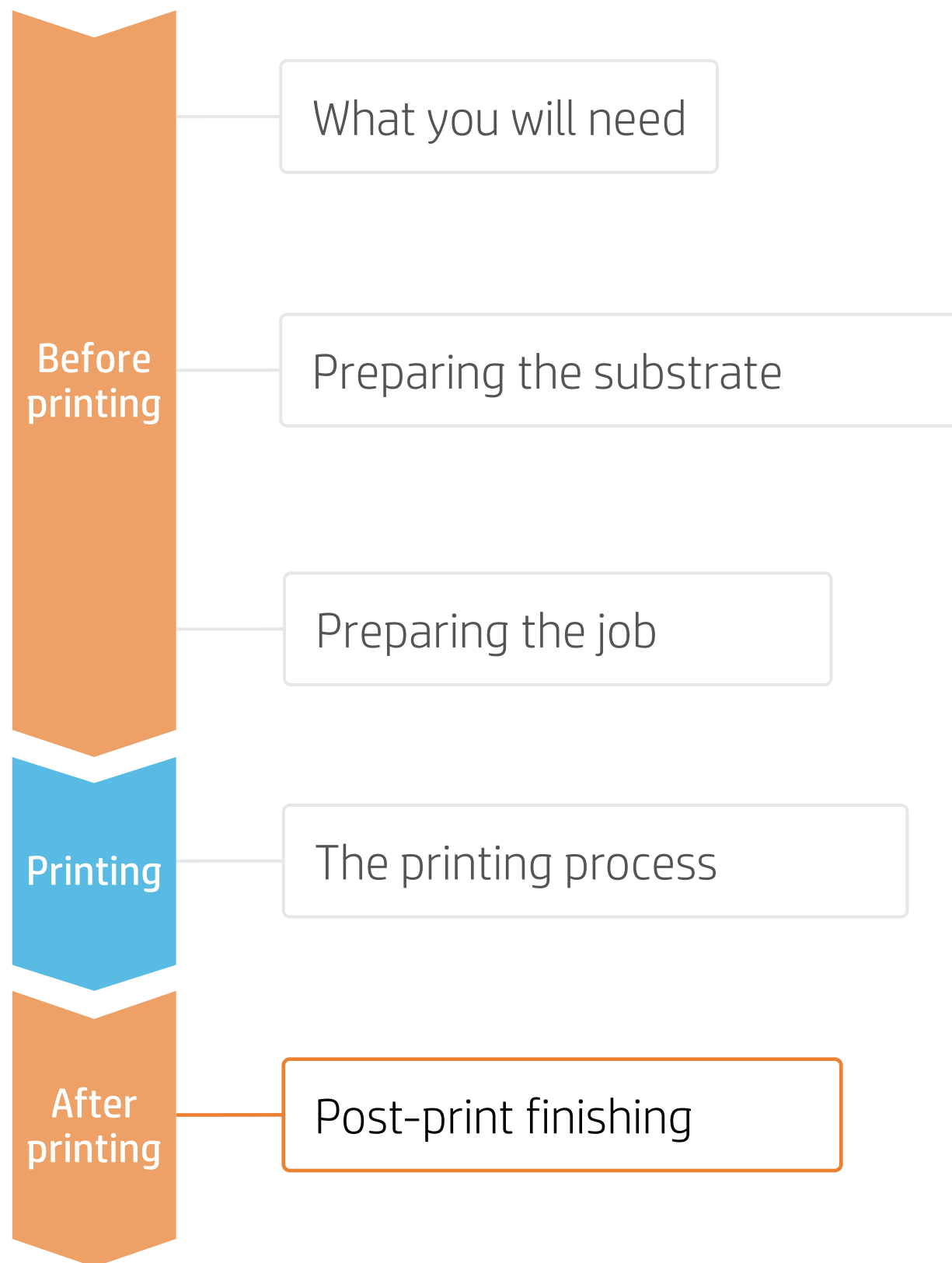
- 1. Load the roll**
By default, this is in automatic mode.
- 2. Select the right media preset**
If your media is new, select the generic canvas.
- 3. Check print IQ status**
Perform the printhead nozzle check and printhead alignment.
TIP: Due to canvas rugosity, perform these diagnostics on a white self-adhesive vinyl before loading your canvas substrate.
- 4. Start printing position**
Most canvases can be positioned on the printing platen.
TIP: For long jobs, connect the media to the take-up-reel (TUR).
- 5. Send job to print from RIP**
Check the RIP has synchronized the loaded substrate with the printer. Select the correct printmode and set any other settings (copies, placements, etc.). Click **Send to print**.
- 6. Cut & retrieve printed roll**
This can be done in automatic mode or manually.



TIP: Before cutting the printed job, advance the substrate so you protect the printed roll when unloaded.

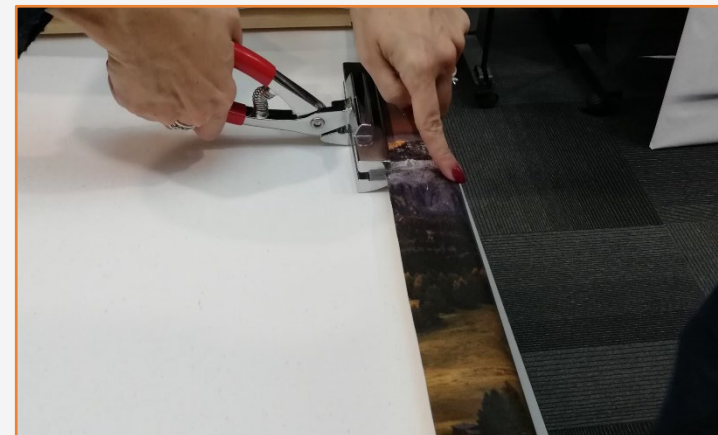
How to print on canvas

Once printed, what else?



1. Cut

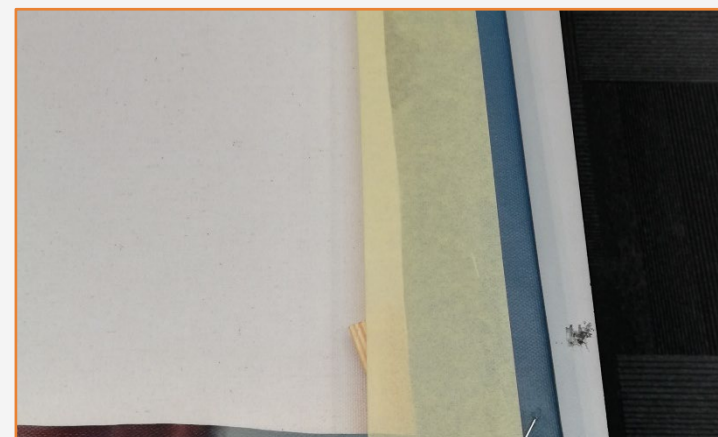
When few copies are printed, the canvas can be cut manually. For long jobs, automatic cutters are recommended.



2. Stretch on frame bars

- Automatically: Used in high production environments.
- Manually: Use the canvas pliers, scissors, and stapler.

TIP: Protect the working surface with a felt or plush.



3. Finish

Add the backing tape for clean finishing.

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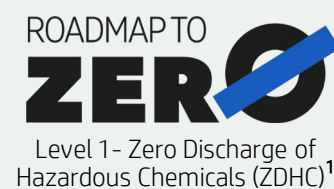
Remarks

- HP Latex Technology provides great versatility when printing on different types of canvas.
- Latex inks are very flexible and do not crack when folding the edges.
- Print saturated images on canvas at speeds up to 25 m²/h (269 ft²/h).
- We recommend protecting the working surfaces to prevent damage to the printed image while stretching the canvas.
- The new HP Latex inks are ideal for safe indoor applications. The newest HP Latex Inks are UL ECOLOGO and UL GREENGUARD GOLD certified, and conform to the Zero Discharge of Hazard Chemicals (ZDHC) manufacturing restricted substances list v1.1.

Learn more at:

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

Certifications:



Level 1 - Zero Discharge of Hazardous Chemicals (ZDHC)¹



Inks meet stringent health and environmental criteria²



Unrestricted, full room. No-wait installation or lamination³

¹Zero 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.

²Applicable 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). 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/.

³Applicable 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 m² (360 ft²) in an office environment, 94.6 m²(1,018 ft²) in a classroom environment. For more information, visit ul.com/gg or greenguard.org.

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