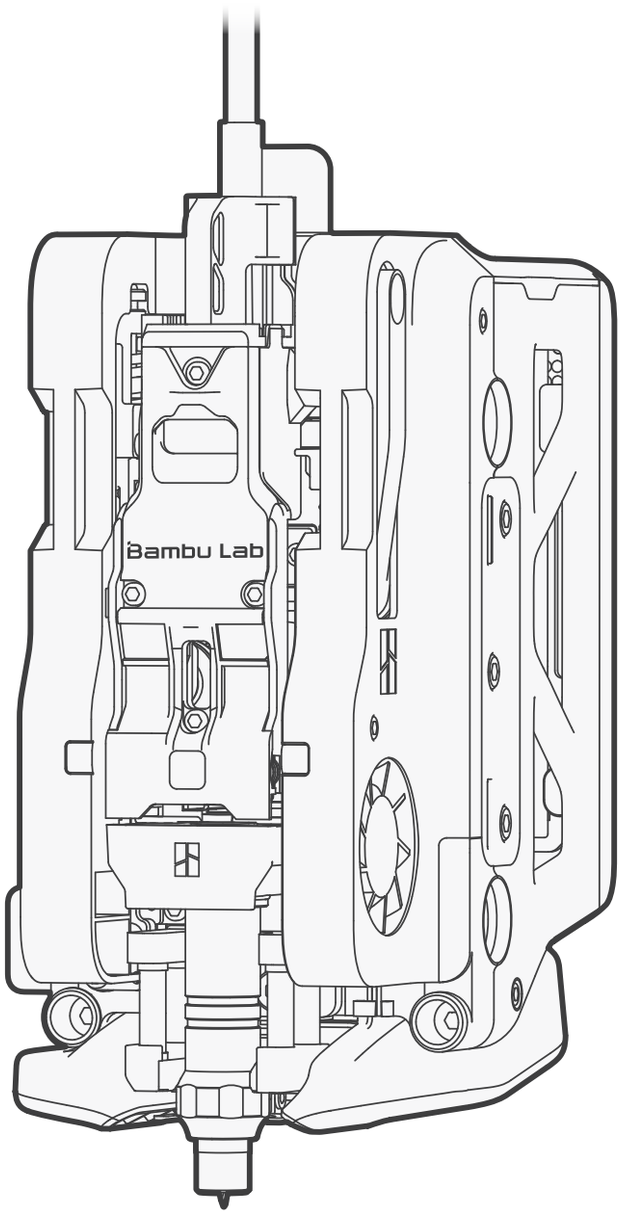
# Bambu Lab Crafting Upgrade Kit

## Quick Start Guide

**Please review the entire guide for assembly.**




**SC010 I KIT037**

V2.1

**Video Guide**
Watch a step-by-step video and get started quickly.
bambulab.com/crafttool-quick-start

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makerworld.com

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# 1. Safety Information



Before using the CraftTool, ensure you read the instructions carefully for safe and proper operation.

**General information:**

- Keep your workspace clean and organized, ensuring that tables, shelves, and any structures holding the device are stable and secure.
- Inspect the device thoroughly for any signs of damage before use. If damage is detected, stop using the device immediately.
- Do not disassemble or alter the device's structure and operating methods unless directed by Bambu Lab support.
- The blade housing and pen housing contain precision parts; handle with care. Dropping them may cause damage to the components.
- Operate the CraftTool within a temperature range of 10 °C to 30 °C and store it between -10 °C and 40 °C. To prevent damage, avoid operating or storing the CraftTool outside these specified temperatures, or in a strong magnetic field.

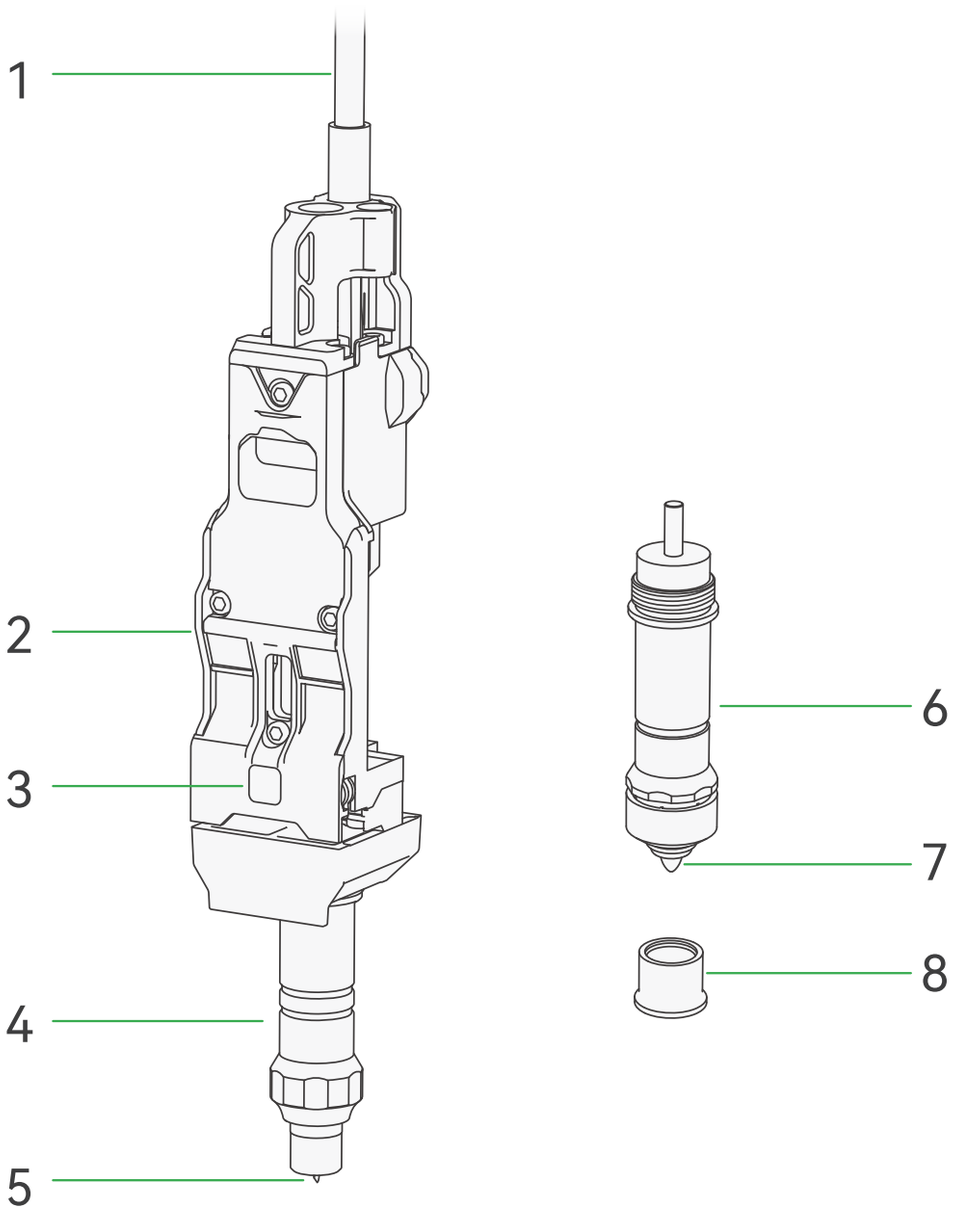
**Safe cutting:**

- Do not operate the CutTool unless it is correctly installed with all safety locking and detection mechanisms active.
- Do not hold materials by hand during cutting.
- If the CutTool becomes jammed or obstructed, immediately cut off the printer's power. Wait for all moving parts to stop before taking any further action.
- When removing the blade from the blade housing, it is recommended to use the blade change tool to pull it out and prevent injury. Please visit our official Wiki for detailed guid-

ance.

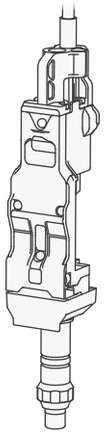
- After removing the blade, ensure the rubber protective cover is securely fitted on the fine-point blade, and store the blade out of reach of children to prevent injury.
- Before starting the cutting process, ensure the material is securely fastened to prevent it from coming loose during cutting, which could damage the device or cause injury.
- When removing materials, pay attention to the position of the blade to prevent injury.

## 2. CraftTool Component Introduction

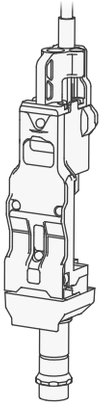



1) Connector
2) CraftTool Base
3) Status Indicator
4) Blade Housing
5) Blade
6) Pen Housing
7) Pen
8) Pen Cap

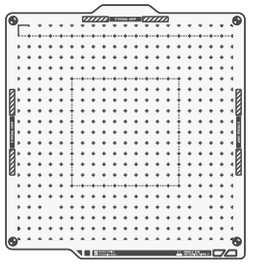
## 3. Included Accessories



1) CraftTool Base
(Pre-installed with
Blade Housing)



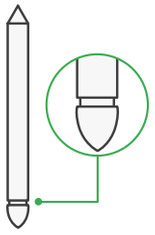
2) CraftTool Base
(Pre-installed
with Pen Housing)



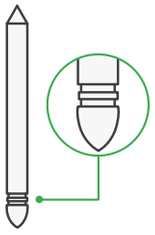
3) Cutting Platform
(Pre-installed with LightGrip
and StrongGrip Cutting Mats)



4) 45° Fine-point Blade
and Protective Cover



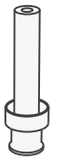
5) 0.2 mm Deboss Tip*



6) 0.35 mm Foil Transfer Tip*



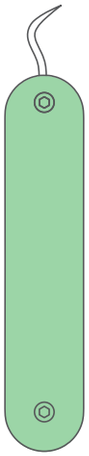
7) Weeding Tool



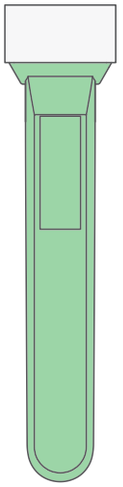
8) Pens (×8)*

* The ring-marked end is the working end for the deboss tip and foil transfer tip.
* The pens include 8 colors: red, orange, yellow, green, cyan, blue, purple, and black.

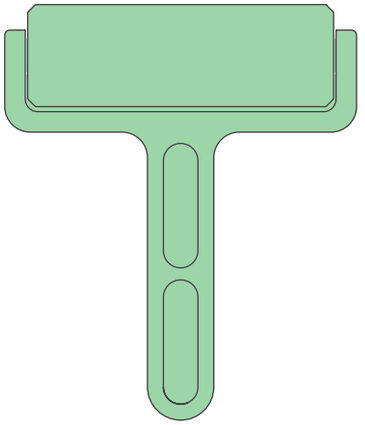
## 4. Print Tools in Advance



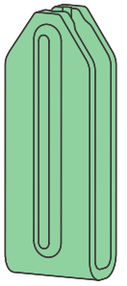
1) Weeding Tool Holder



2) Scraper Blade Holder



3) Roller

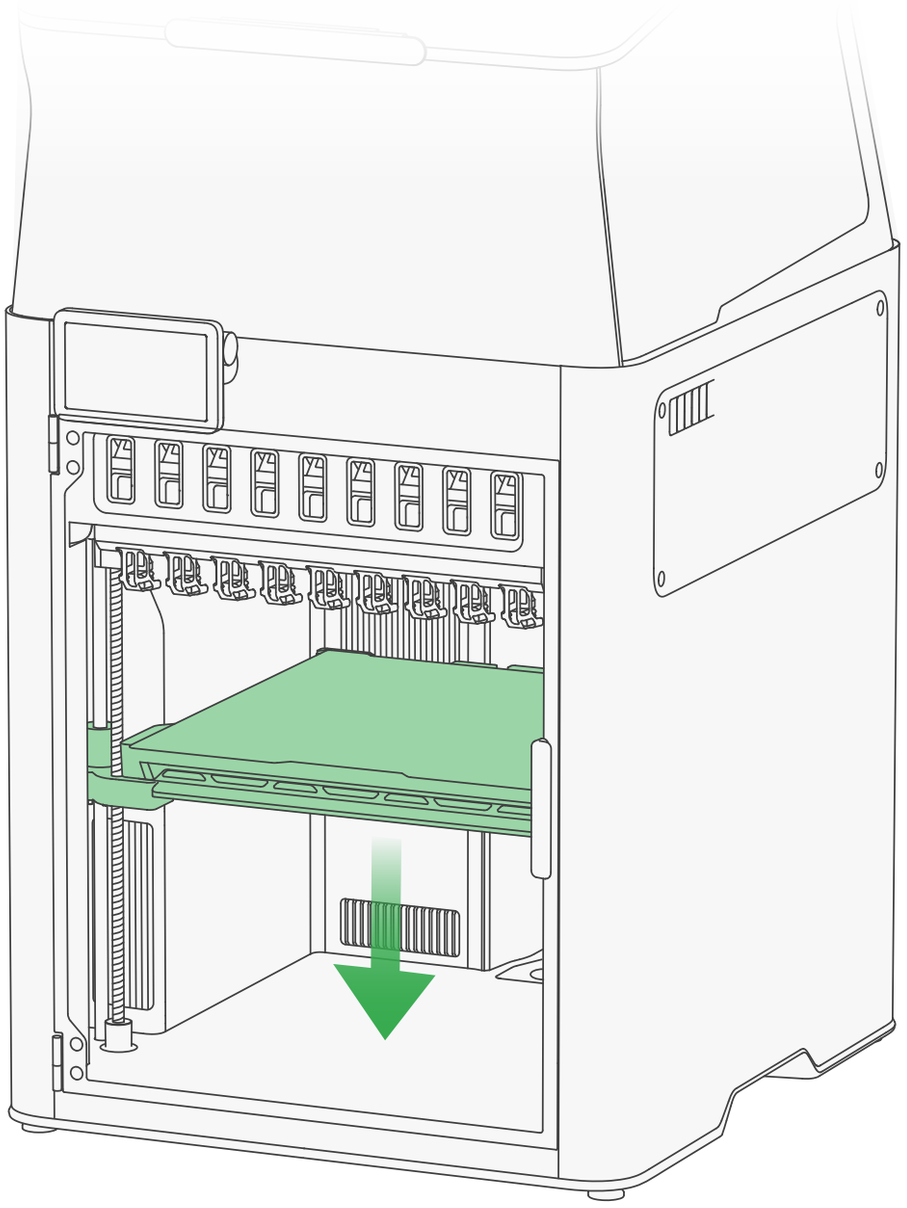


4) Blade Change Tool

Before using the cutting function, please visit makerworld.com/en/@BambuLab, and then download and print the 4 tools shown above:

- **Weeding tool**: Removes waste after cutting.
- **Scraper blade**: Takes off the material from the cutting platform.
- **Roller**: Used to flatten the material to ensure cutting accuracy.
- **Blade change tool**: Used to replace the blade.

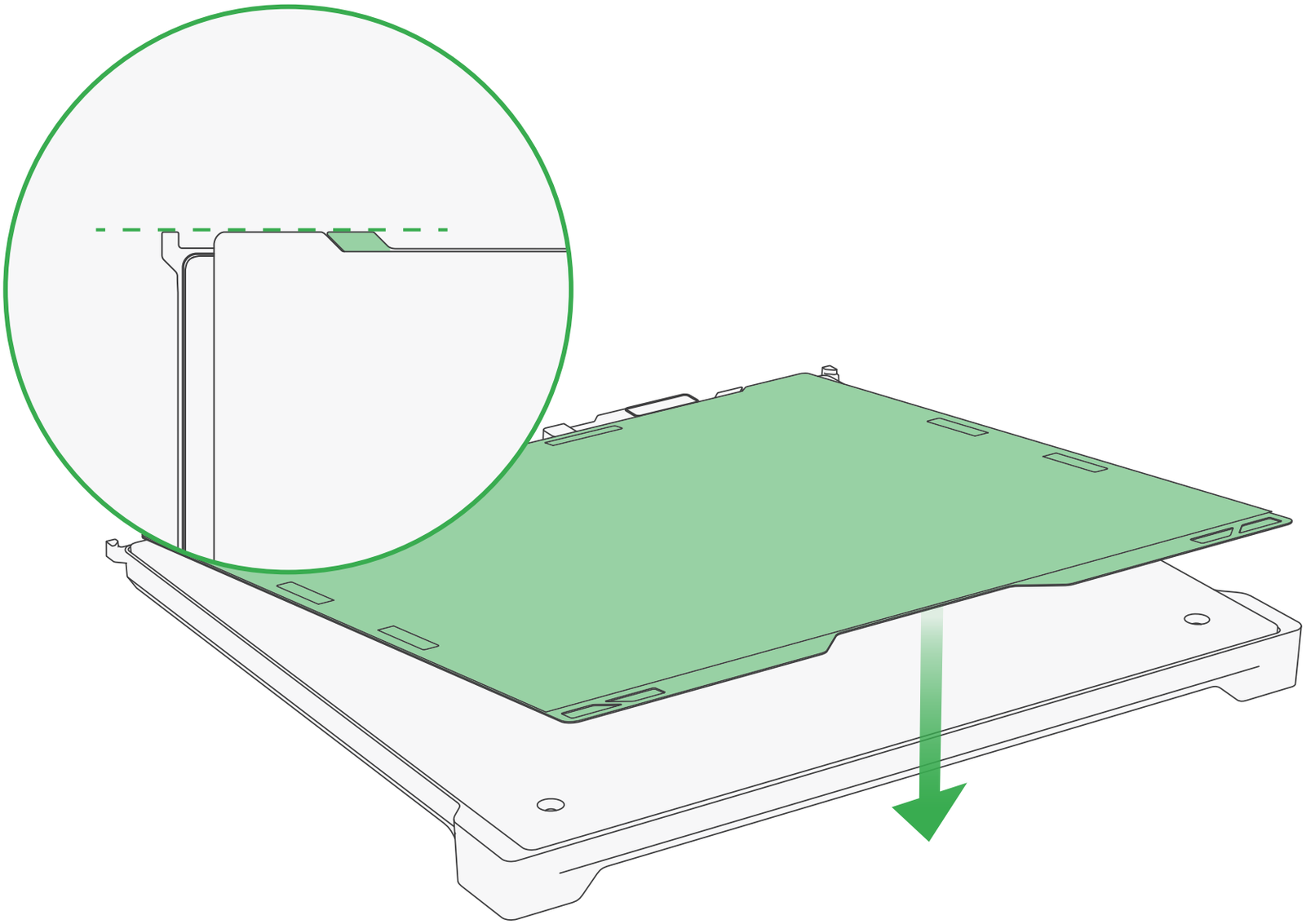
## 5. Lower the Heatbed



Lower the heatbed using the on-screen buttons to leave enough space to prevent the blade from damaging the cutting platform.

Tip: The illustrations use Bambu Lab H3C as the example; when installing on an idle slot on the P3C, you can skip "Remove the PrintTool".

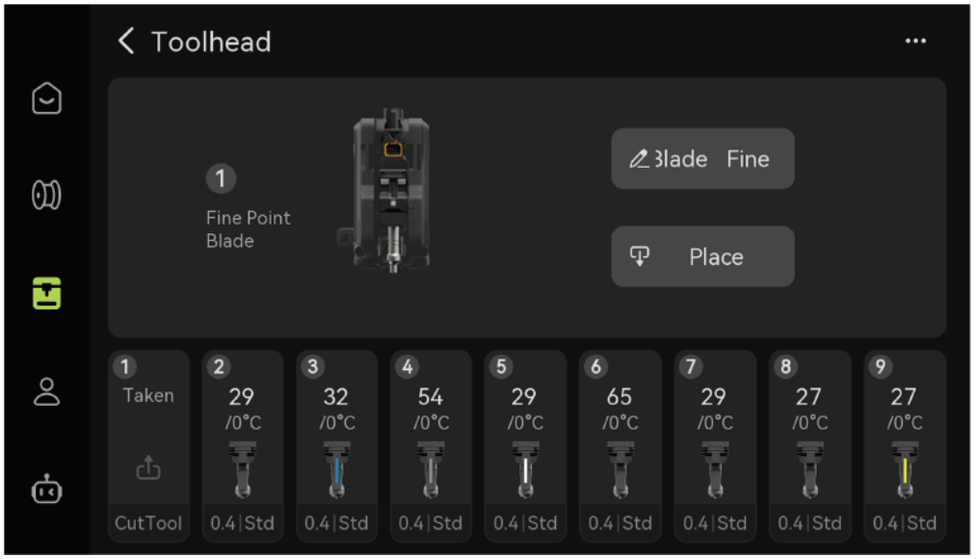
## 6. Install the Cutting Platform



Remove the build plate on the heatbed. Then, place the cutting platform on the heatbed, and make sure to align the 2 corners of the cutting platform and the stoppers of the heatbed. When you need to use the cutting platform, peel off the protective film on the required side only.
Note: Do not discard the protective films on both the cutting mats. After use, reapply the protective film to the cutting mat to prevent debris from sticking to it and to maintain its adhesive properties.

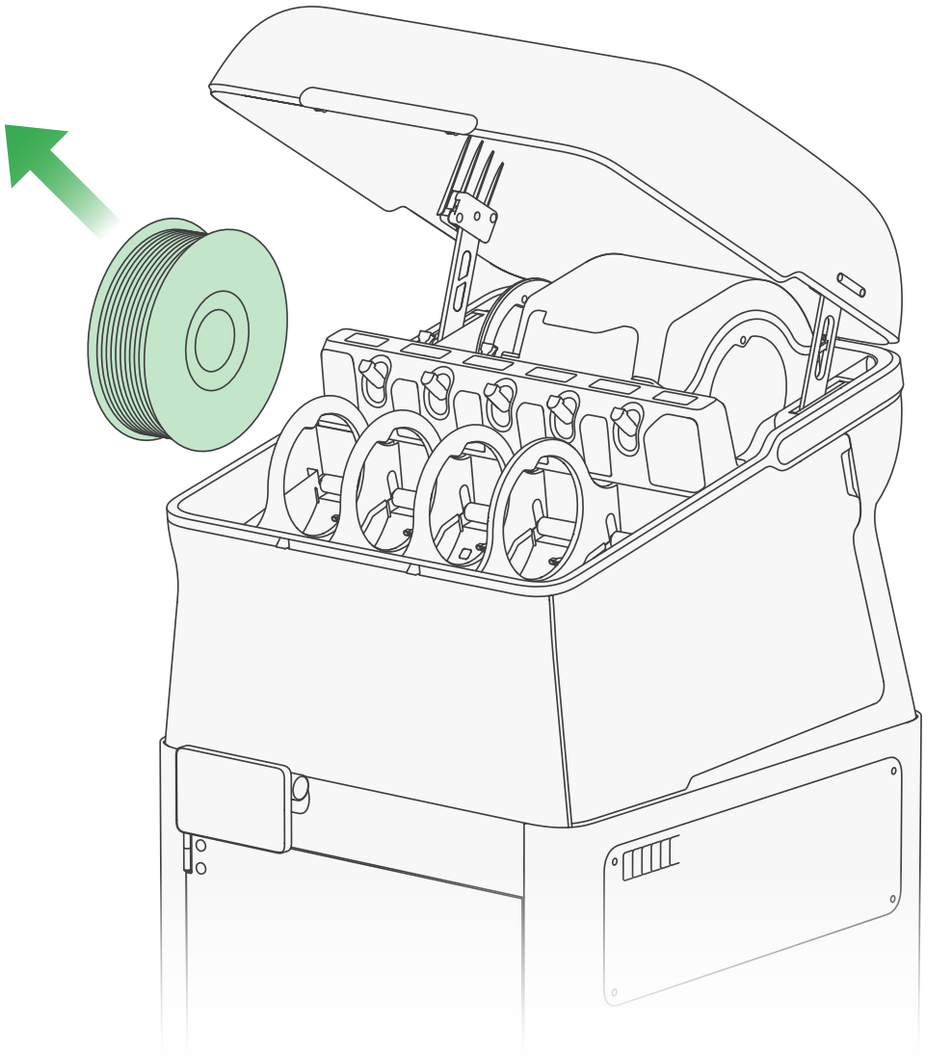
# 7. Unload Filament and Place the PrintTool



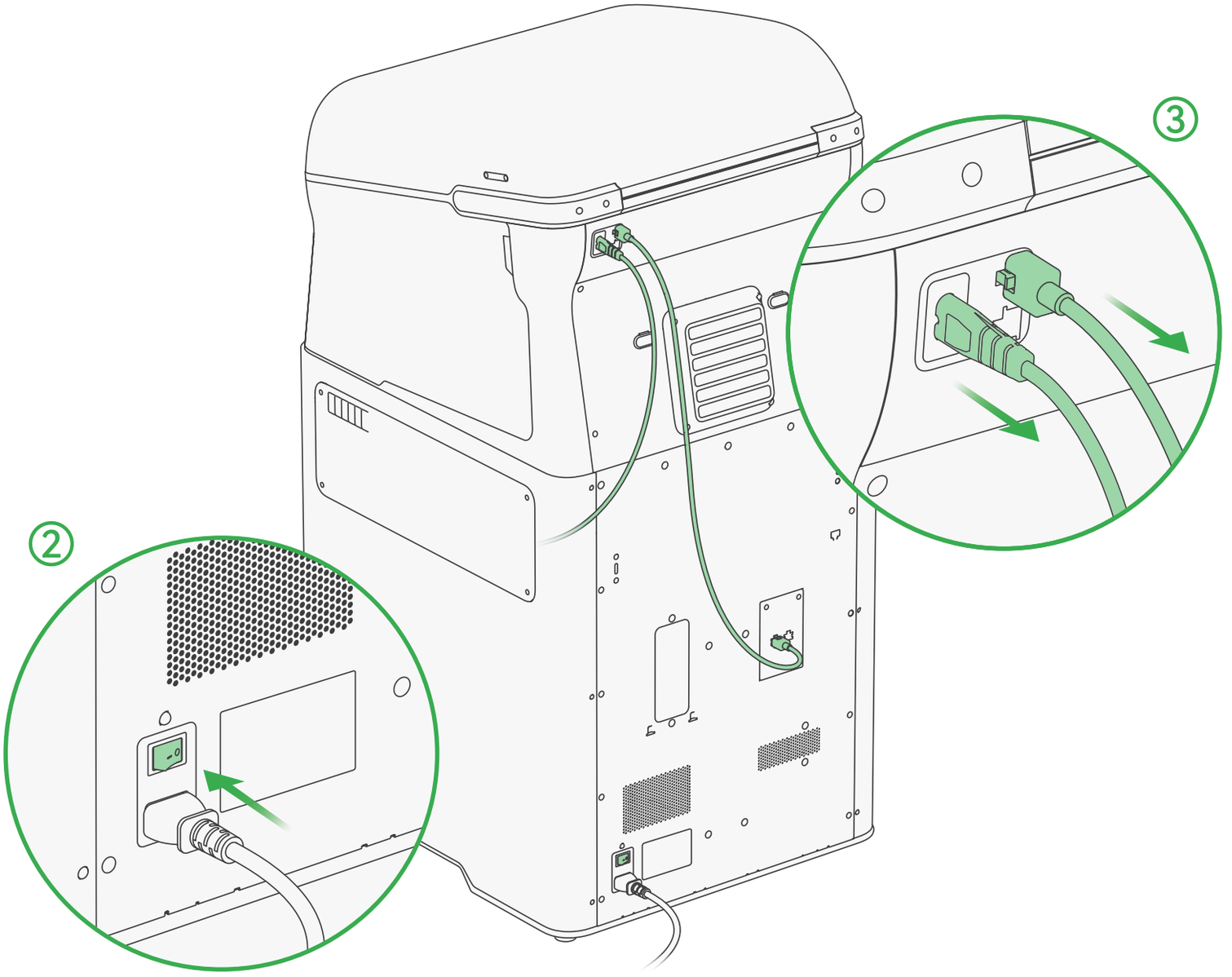

1) On the printer screen, tap > **Select All** > **Unload**, follow the on-screen prompts to pull the filament out, and insert its tip into the spool slot.
2) Tap > **Toolhead & Extruder** > **Place** to ensure the PrintTool to be replaced is parked on the SwapTek rack.
   Tip: For easier operation, it is recommended to replace the side PrintTool first.

## 8. Remove the AMS Body



1) Remove all filament spools, then close the AMS lid.
   Note: Before removing the AMS body, please unload all filament and remove all spools to avoid filament jams or structural damage.

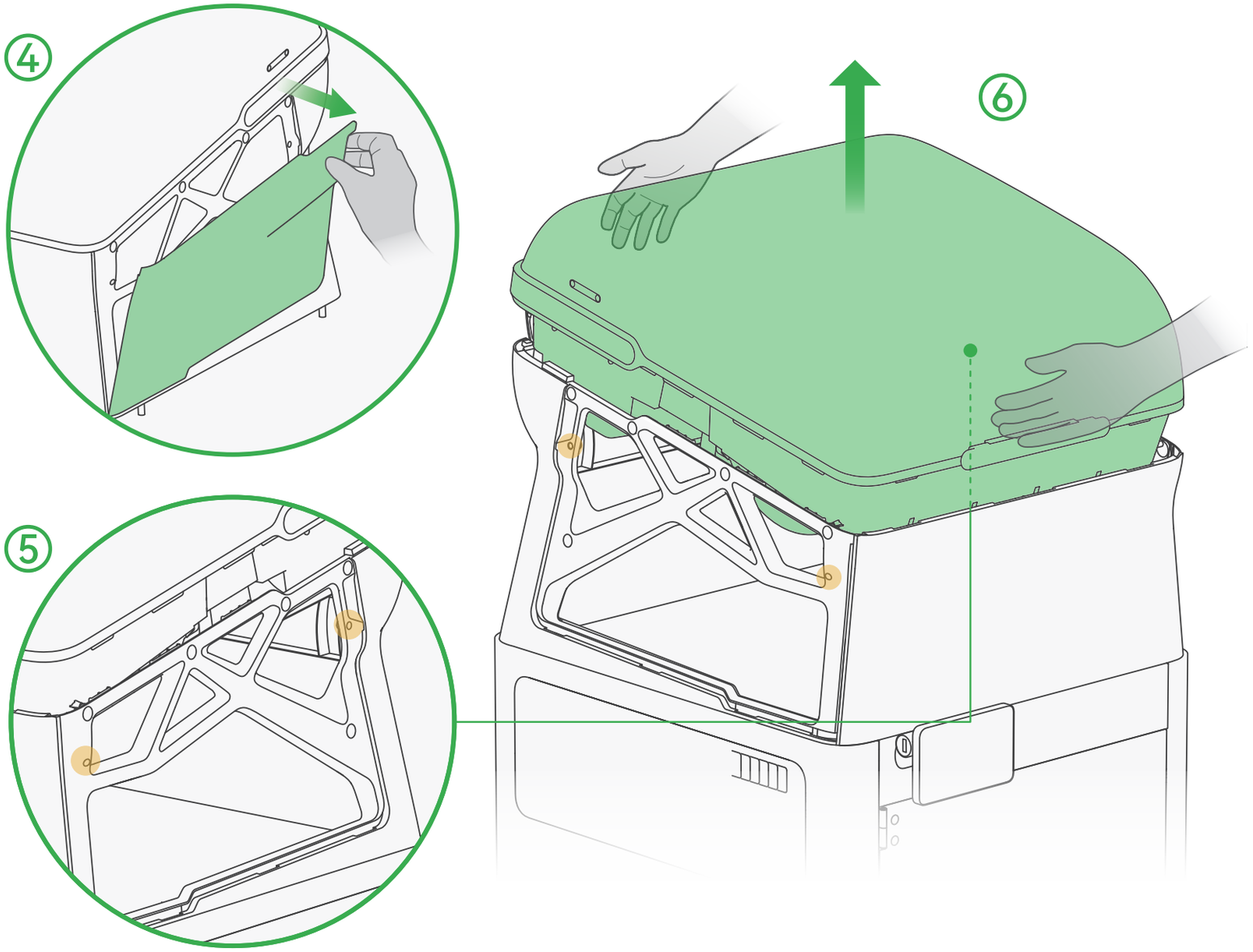
## 8. Remove the AMS Body




2) Turn off the printer.

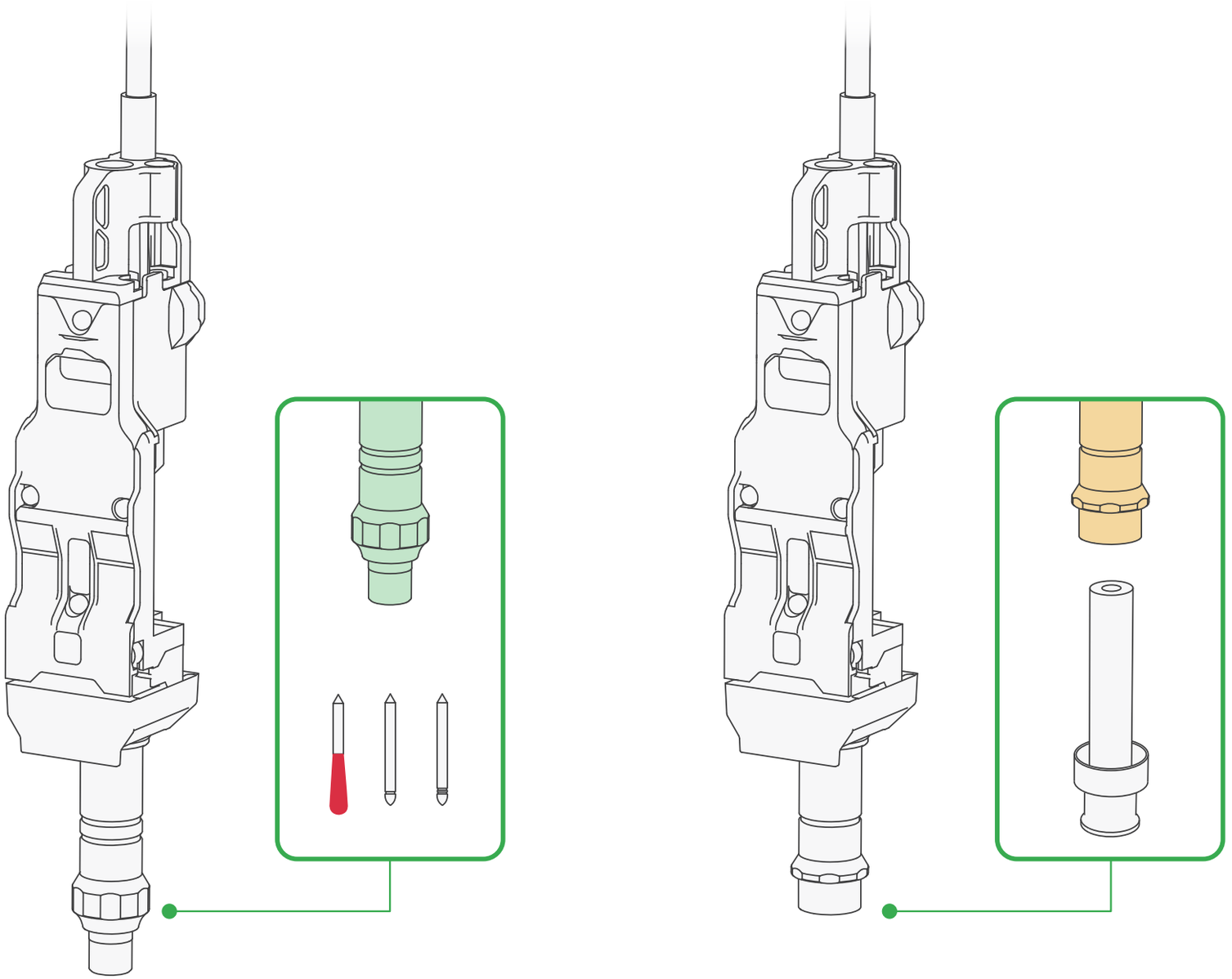
3) Disconnect the 6-pin cable and power cord from the rear of the AMS body.

## 8. Remove the AMS Body




4) Remove the left and right panel.
5) Use an H2.0 allen key to loosen two screws on each side counterclockwise, then remove and store them safely.
6) Hold the front and rear ends of the AMS body, lift it out, and set it aside safely.

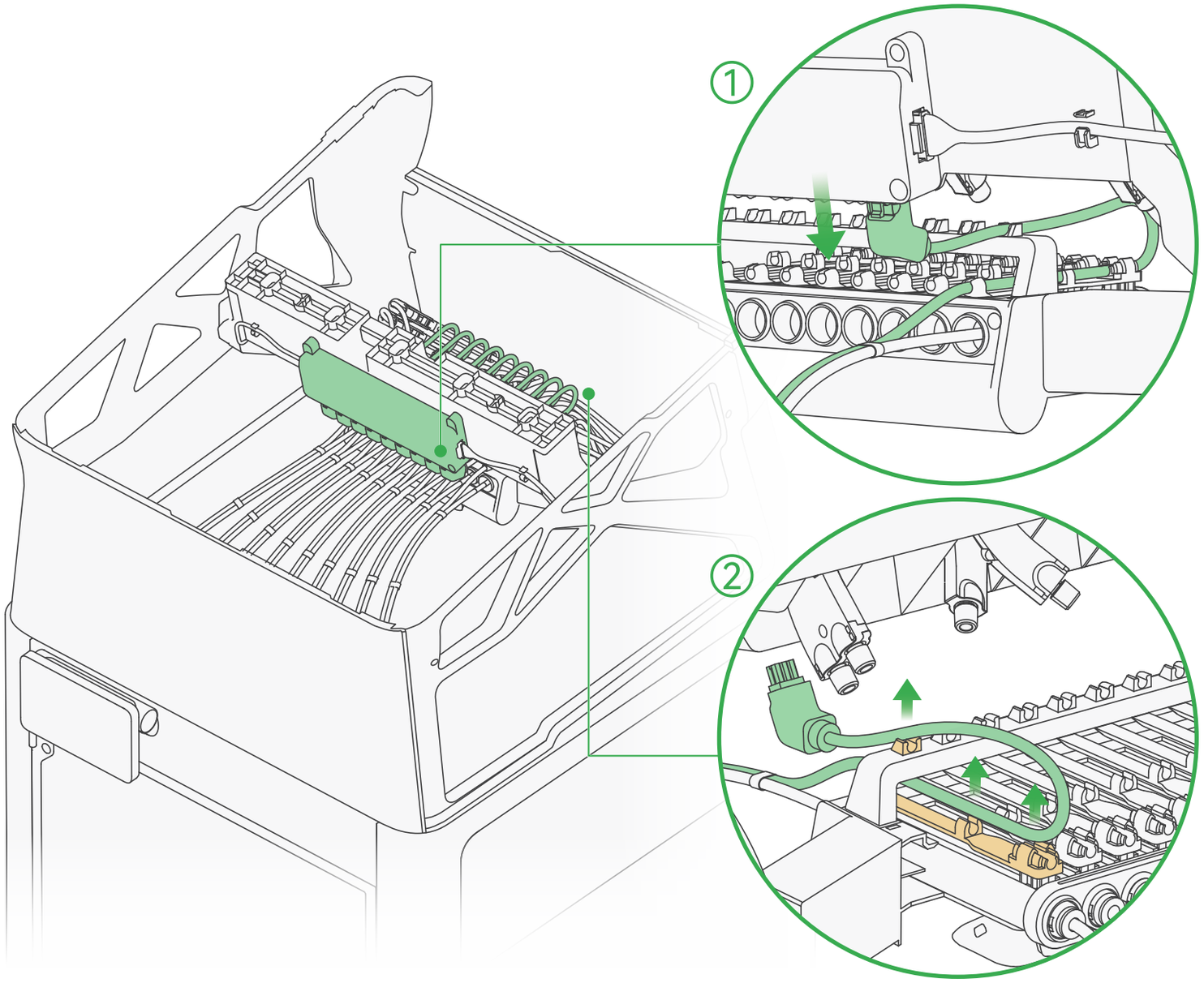
## 9. Determine the Number of CraftTool Used



Based on the intended application you need, remove the corresponding number of PrintTools and connect the CraftTool base. If you only need the cutting or drawing function, you may replace just one PrintTool.

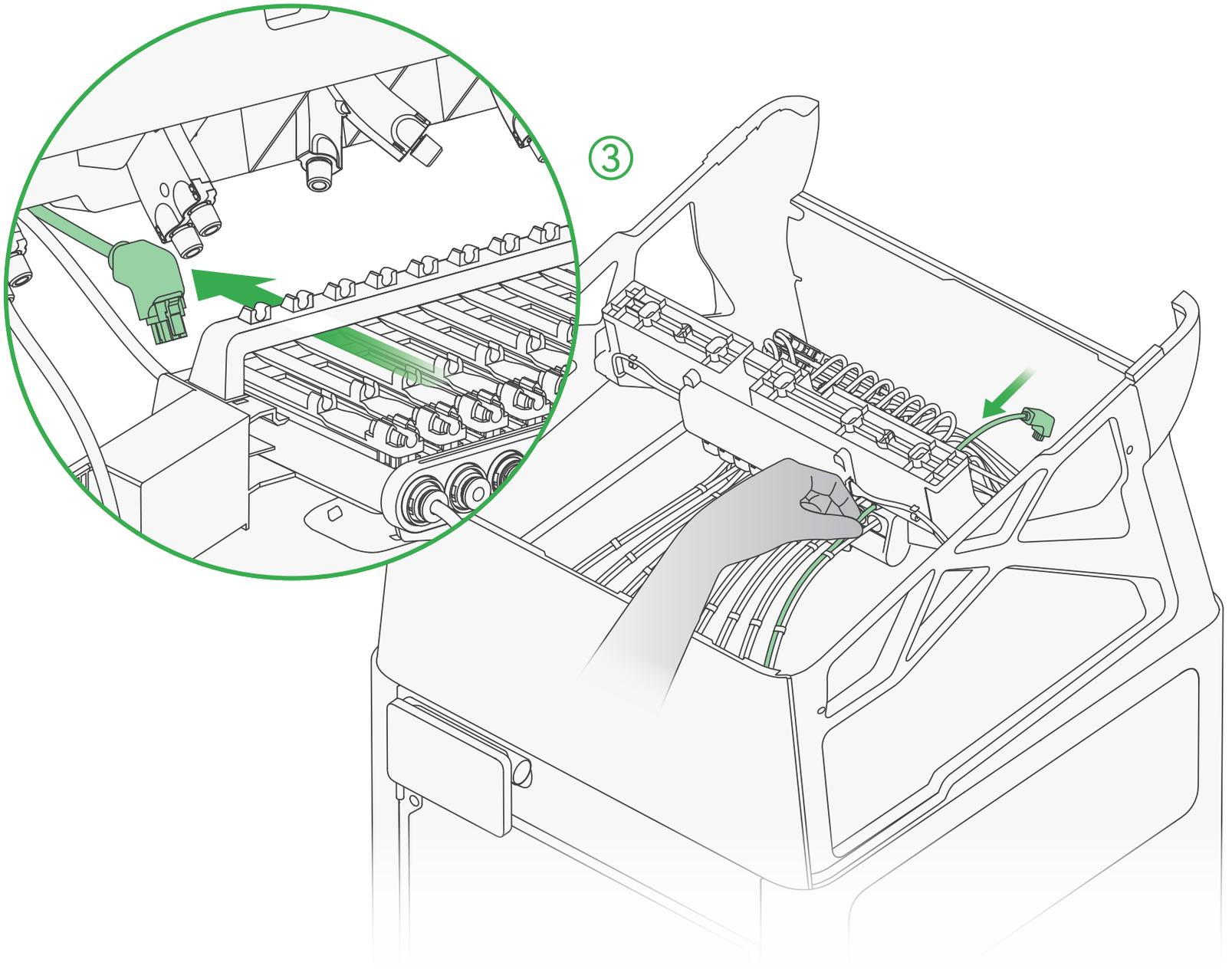
Tip: For easier operation, it is recommended to replace the side PrintTool first. After installation, it can be left in place without frequent removal.

## 10. Remove the PrintTool



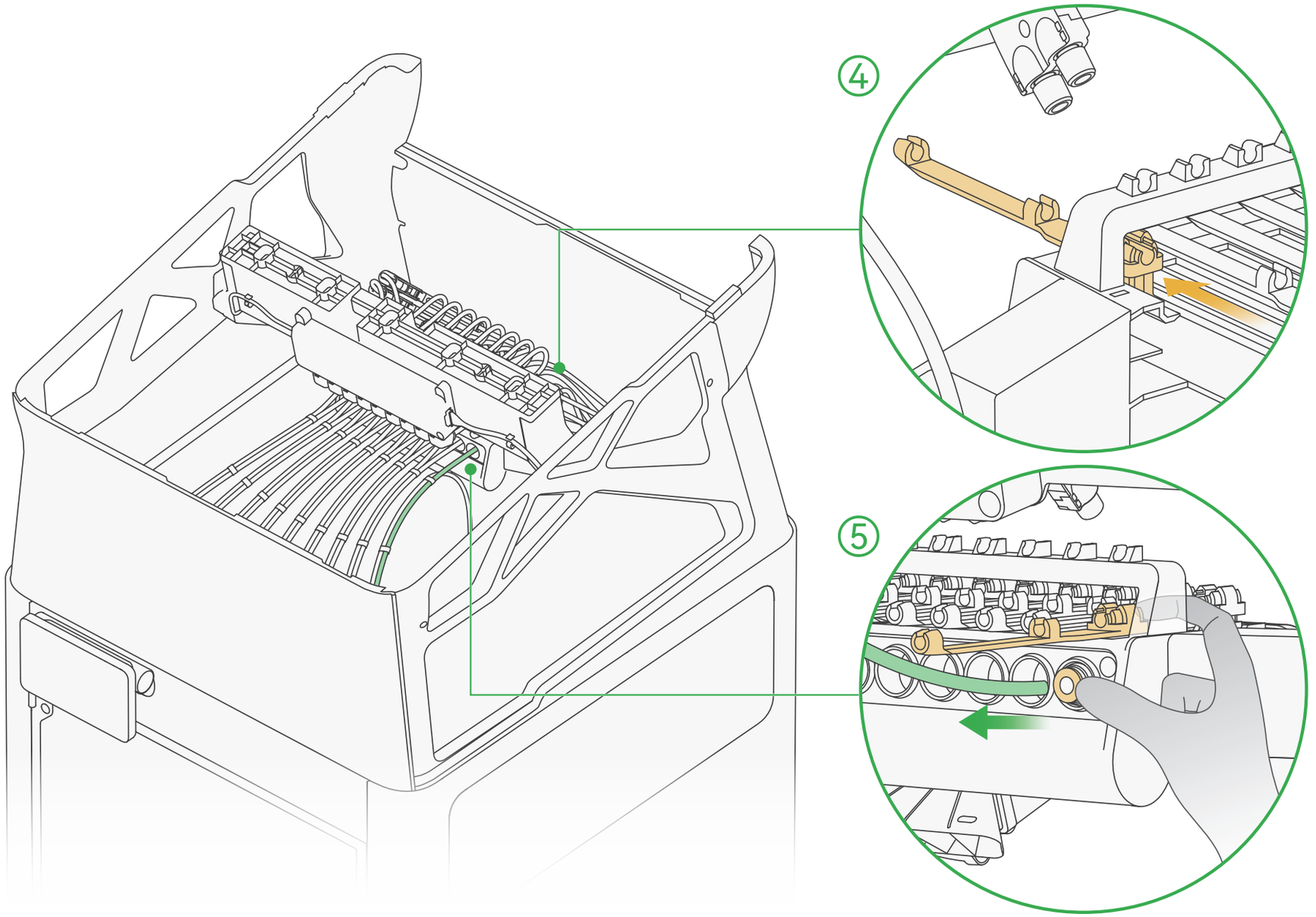

1) Press the latch on the 6-pin cable and disconnect it from below the tool control board.
2) Release the 6-pin cable from the clip on the tube bracket slider.

## 10. Remove the PrintTool



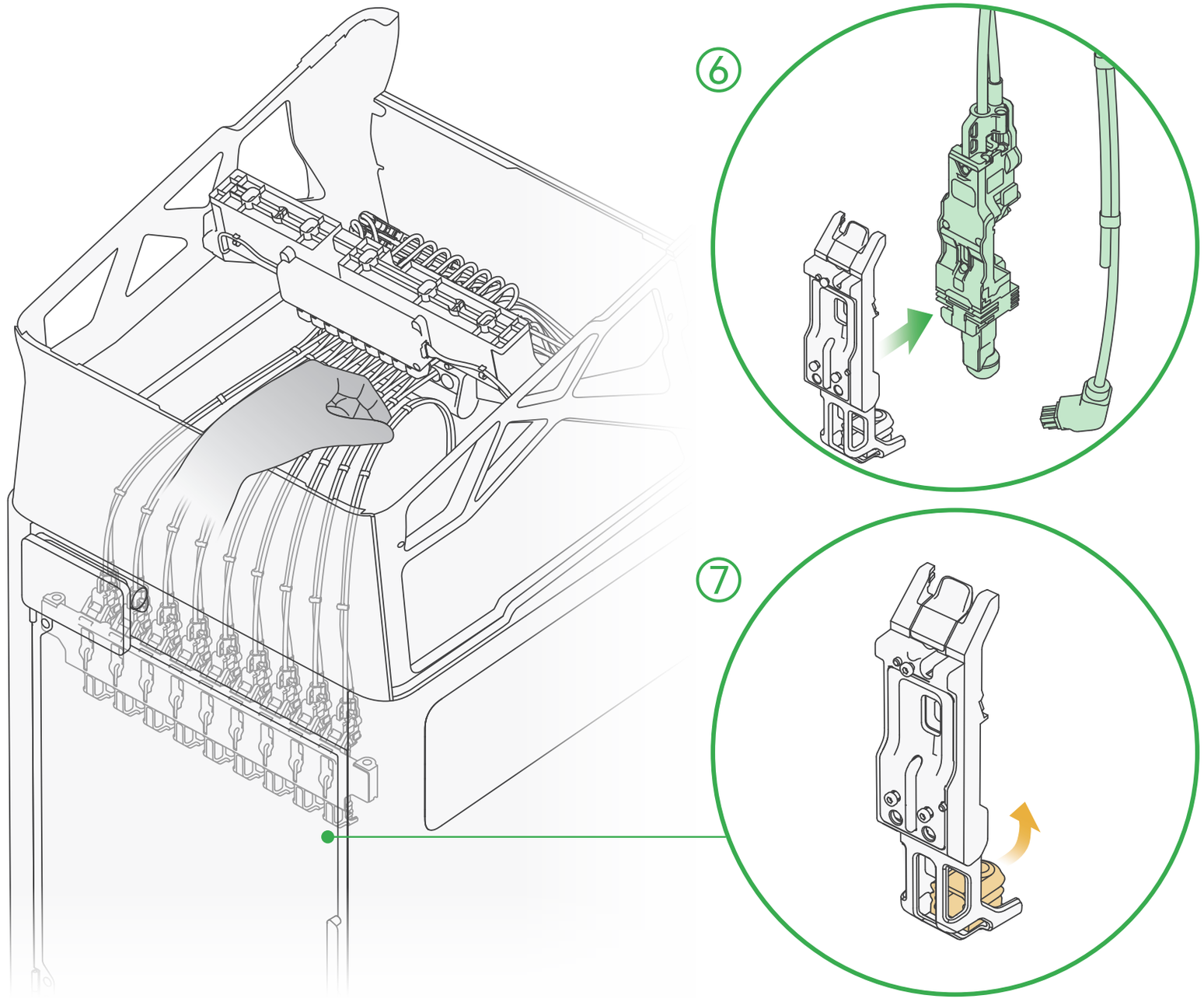

3) Pull out the 6-pin cable, and thread the connector through the tube bracket assembly.

## 10. Remove the PrintTool



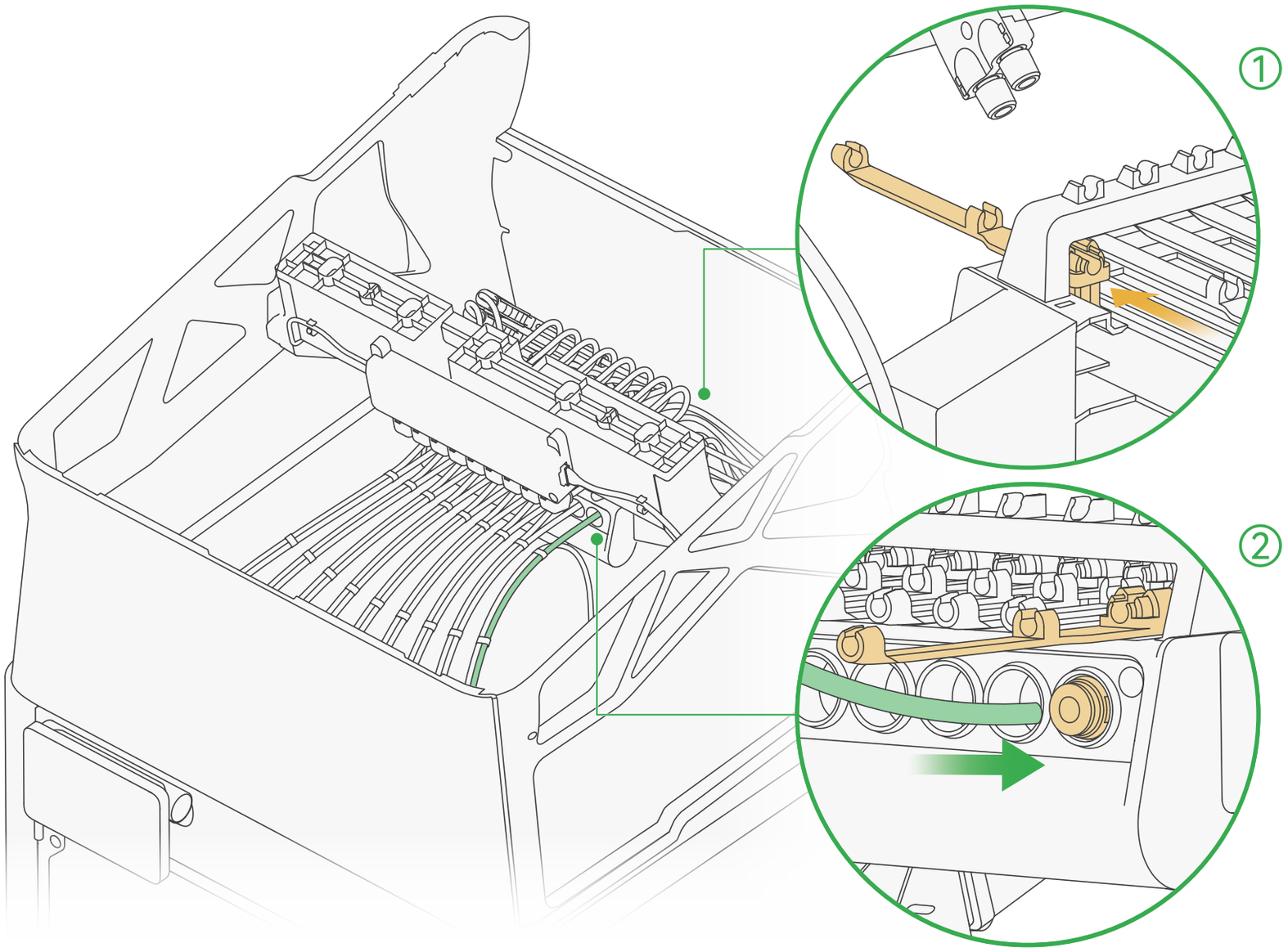

4) Push the tube bracket slider toward the screen until the tube connector is exposed.
5) While pushing the tube bracket slider forward, press the black outer ring of the tube connector backward to disconnect the FEP tube from below the tool control board.

## 10. Remove the PrintTool



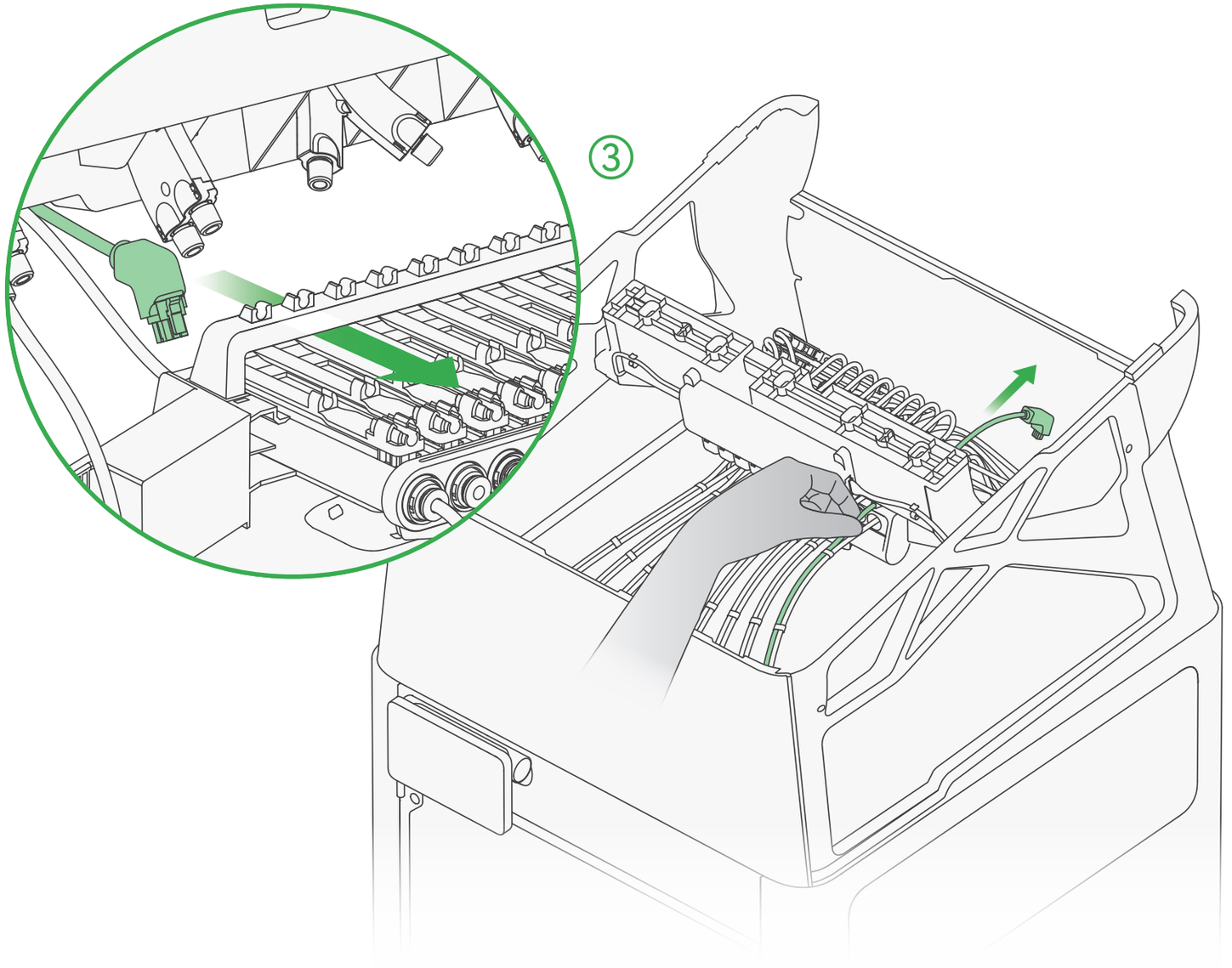

6) Gently pull the PrintTool cable and remove the PrintTool from the SwapTek rack.
7) Remove the flow blocker pad from the SwapTek rack dock.

## 11. Connect the CraftTool Base



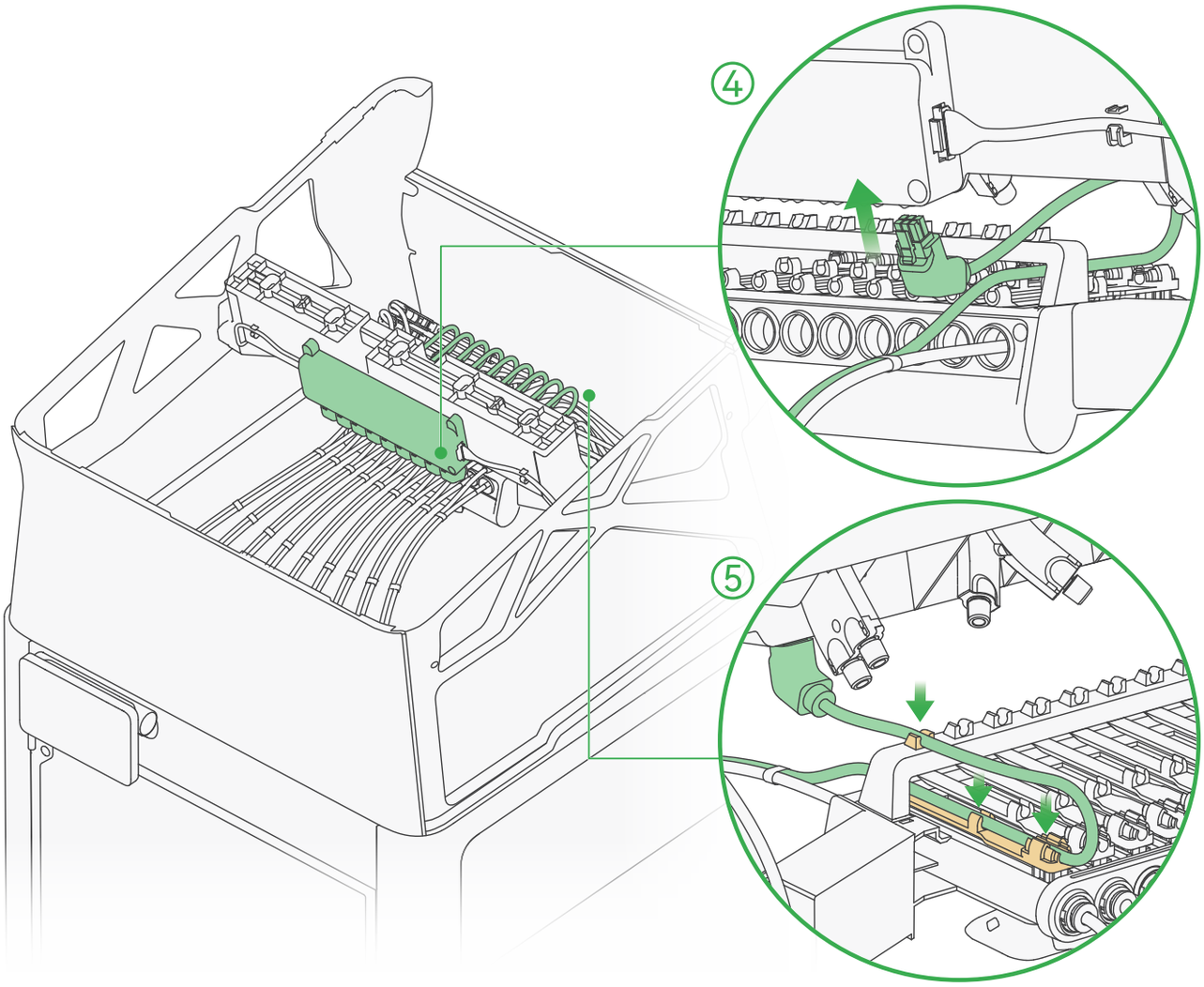

1) Push the tube bracket slider toward the screen until the tube connector is exposed.
2) Insert the FEP tube of the CraftTool base into the tube connector.

## 11. Connect the CraftTool Base



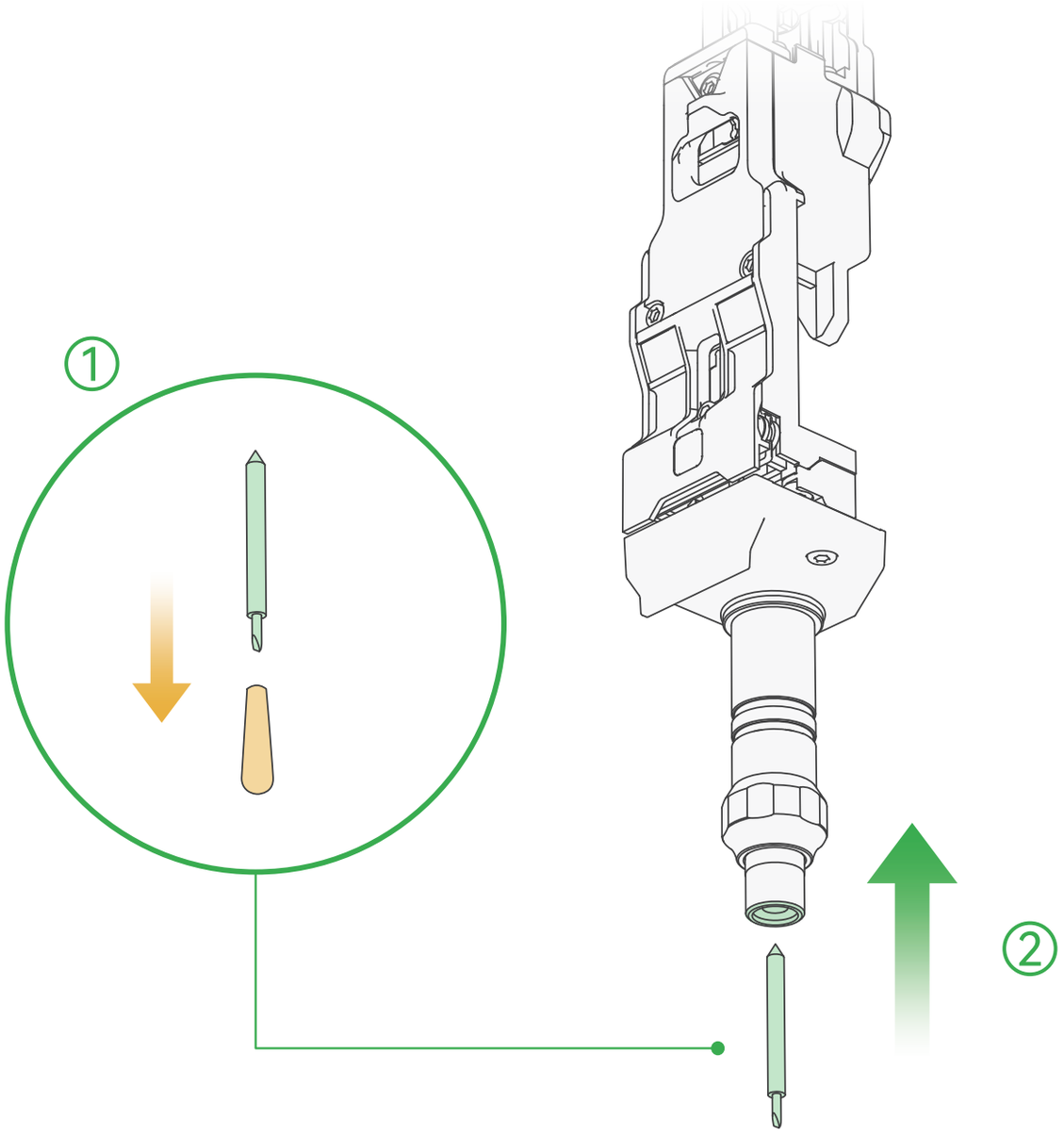

3) Thread the 6-pin cable connector backward through the tube bracket assembly.

## 11. Connect the CraftTool Base



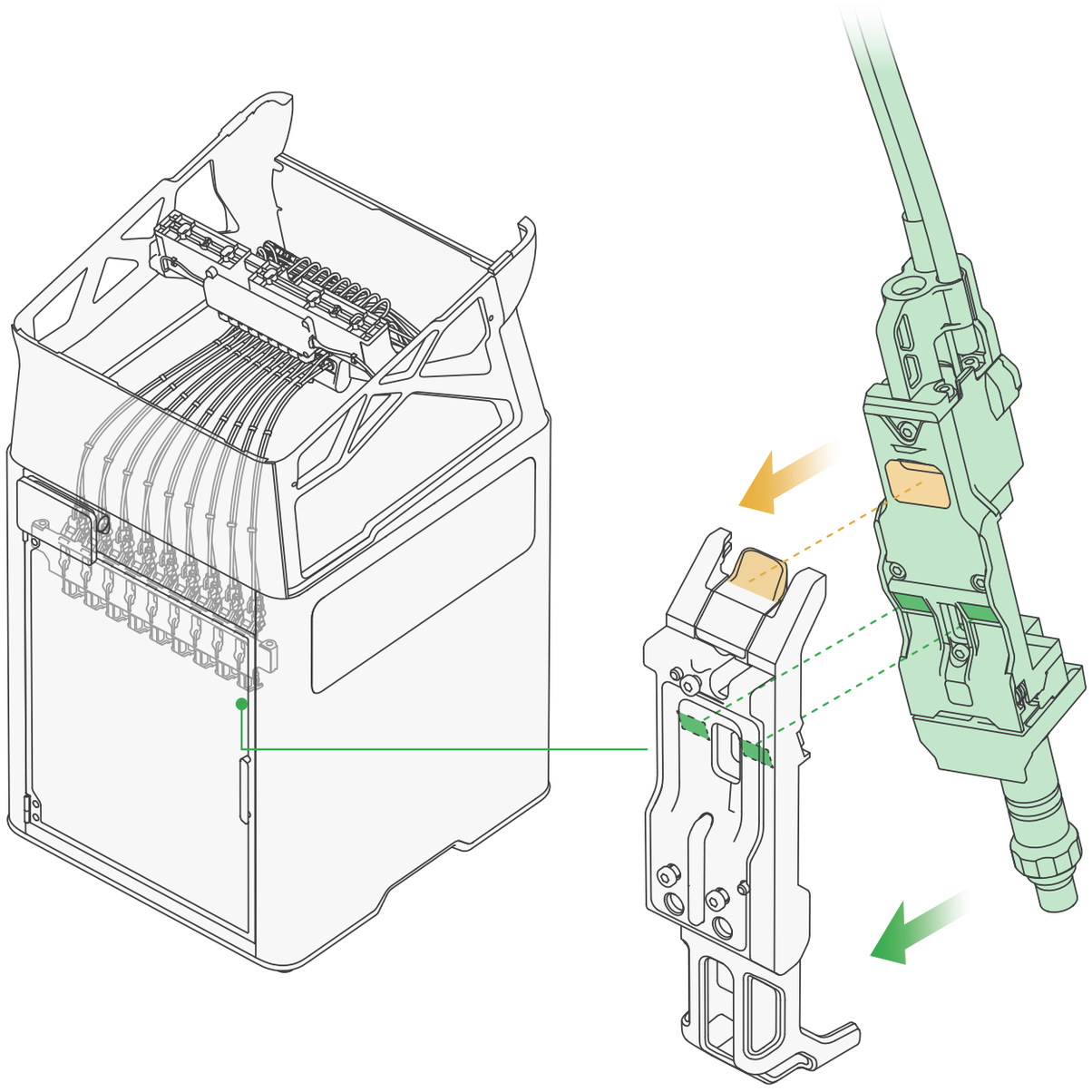

4) Insert the 6-pin cable connector into the 6-pin port below the tool control board.
5) Secure the cable in the clip on the tube bracket slider according to the alignment mark.
   Tip: For the Bambu Lab H3C, snap the cable's orange solid mark into the latch at the rear end of the tube bracket slider; for the P3C, snap the cable's orange hollow mark into the middle latch on the slider.

## 12. Install the Blade




1) Remove the protective cover from the blade.
2) Insert the blade into the blade housing.
   Note: The blade is extremely sharp. Handle with care to avoid injury! It is recommended to keep the protective cover and wrap the blade when not in use to prevent cuts.

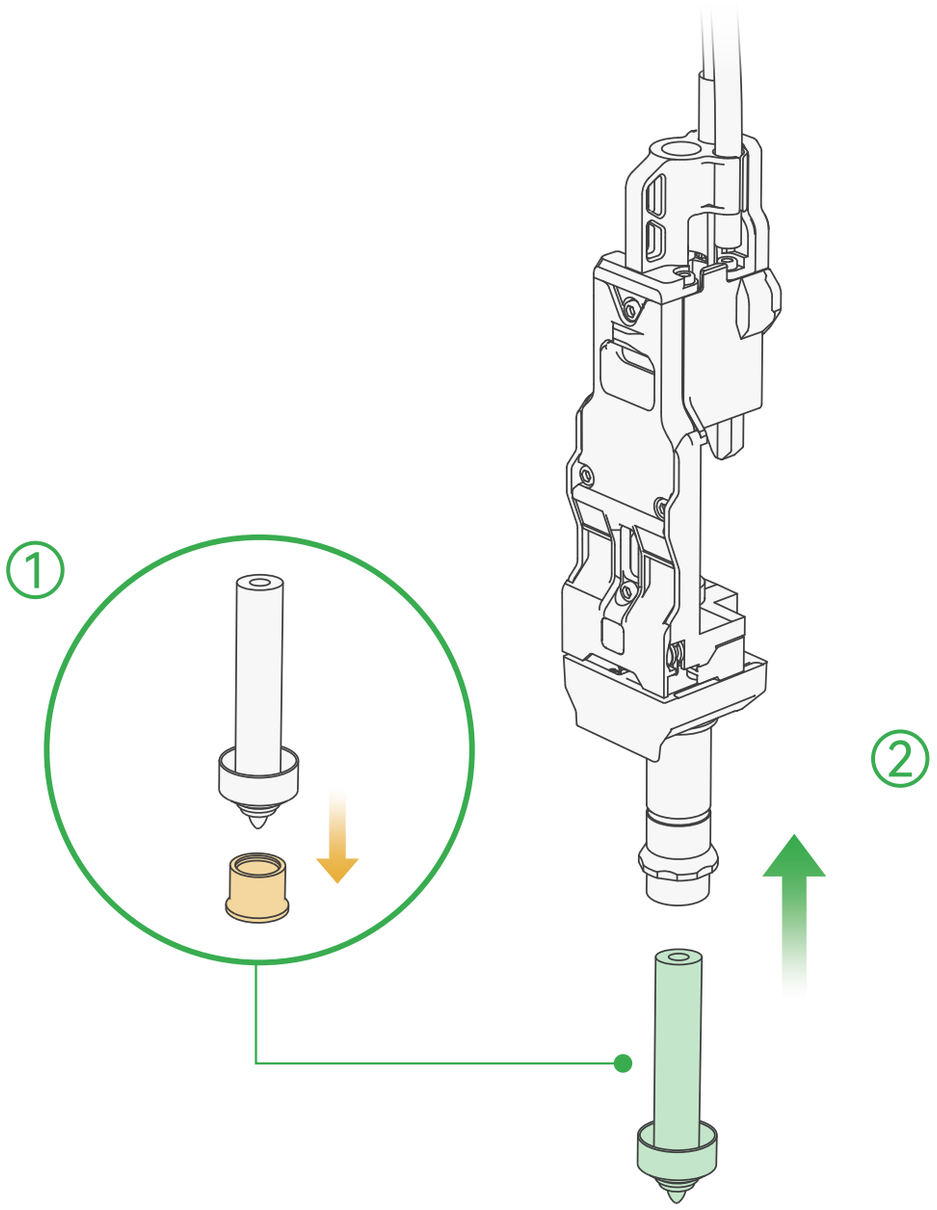
## 13. Install the CutTool



Make sure the flow blocker pad has been removed from the SwapTek rack dock, then magnetically install the CutTool onto the SwapTek rack.

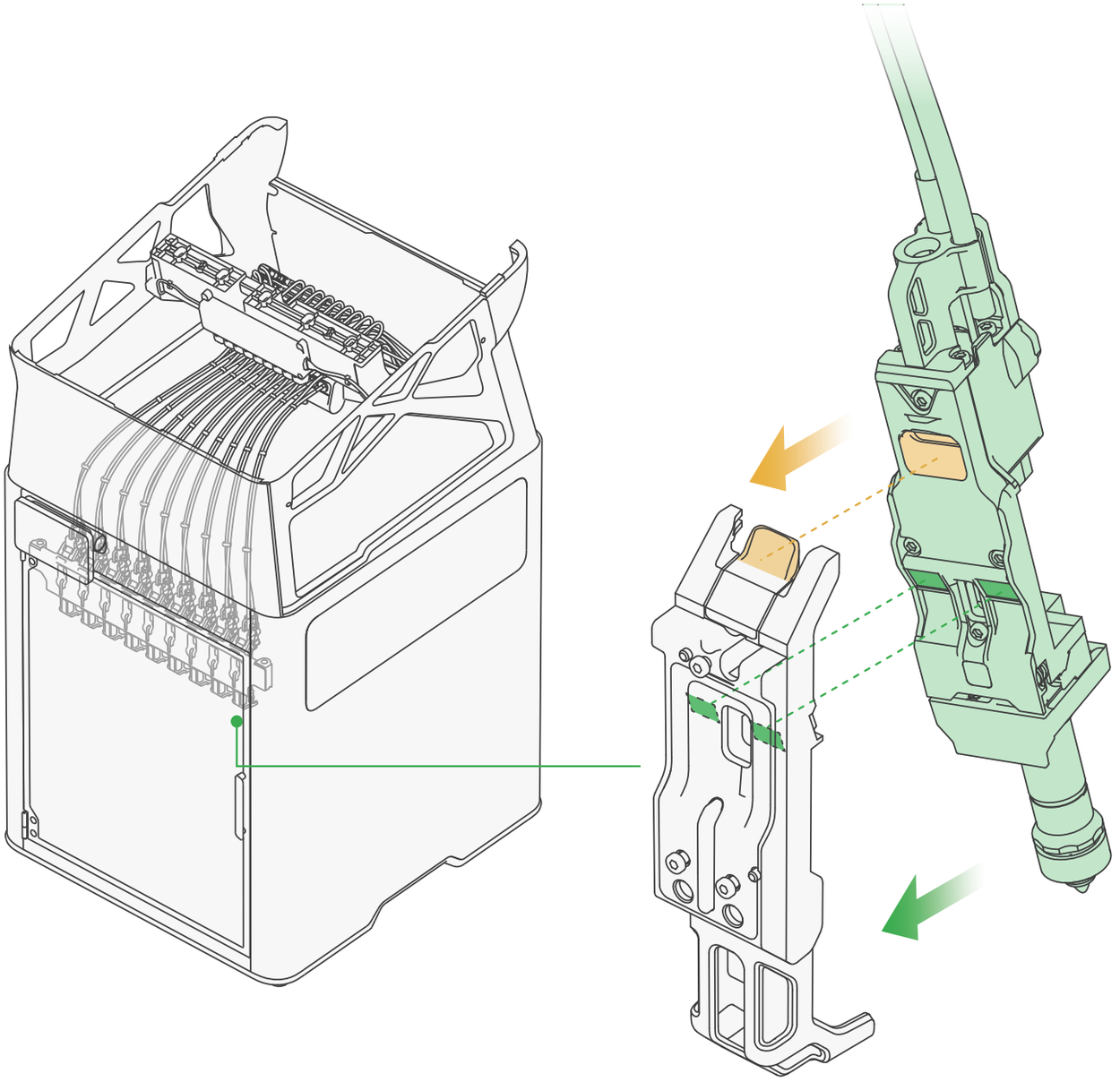
Tip: Align the yellow highlighted part, hook the CraftTool base onto the orange alignment frame, then align the green highlighted part to complete attachment.

## 14. Install the Pen




1) Remove the pen cap.
   Note: If the pen is not in use, replace the pen cap promptly to prevent the tip from drying out and affecting future use.
2) Insert the pen into the pen housing.

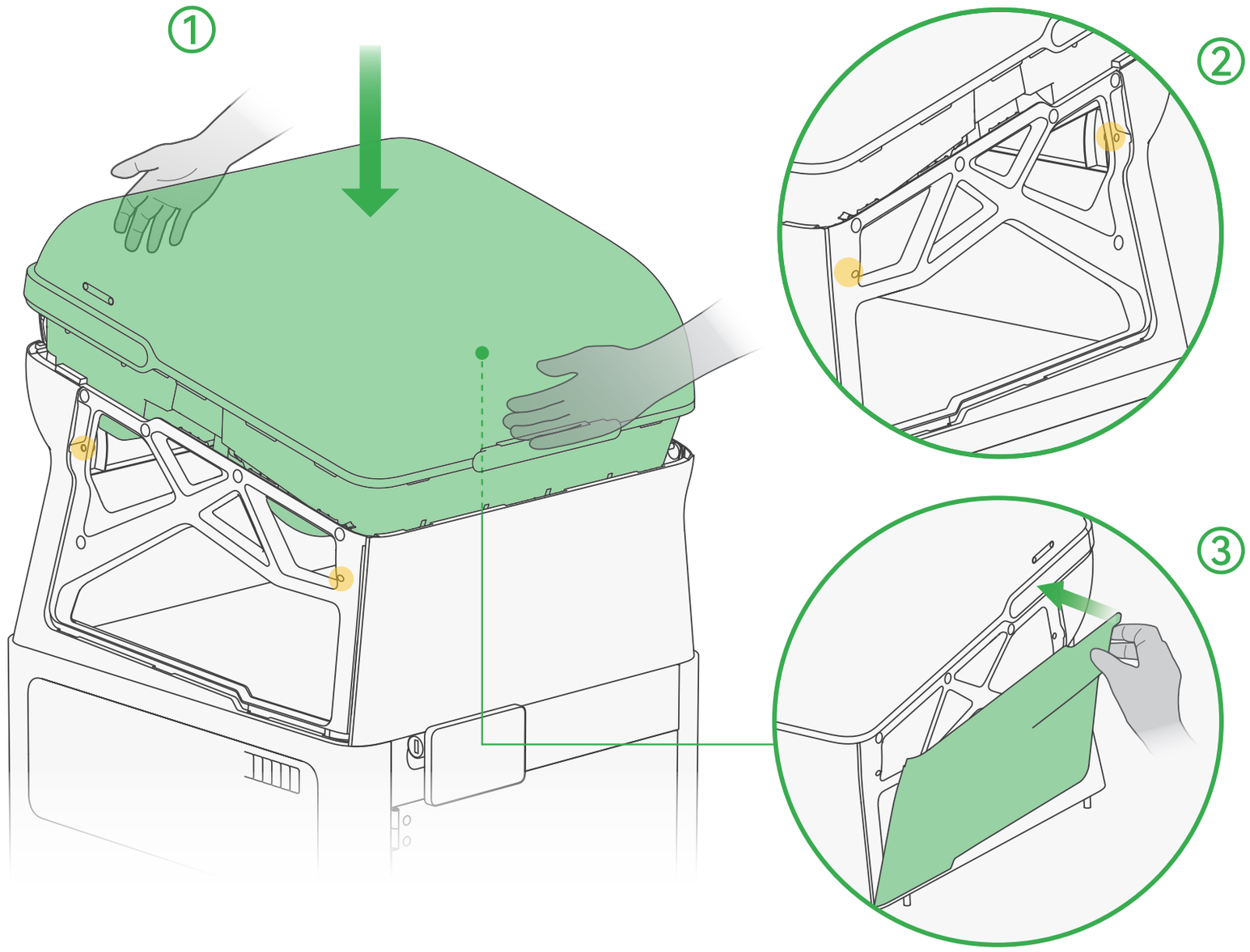
## 15. Install the DrawTool



Make sure the flow blocker pad has been removed from the SwapTek rack dock, then magnetically install the DrawTool onto the SwapTek rack.

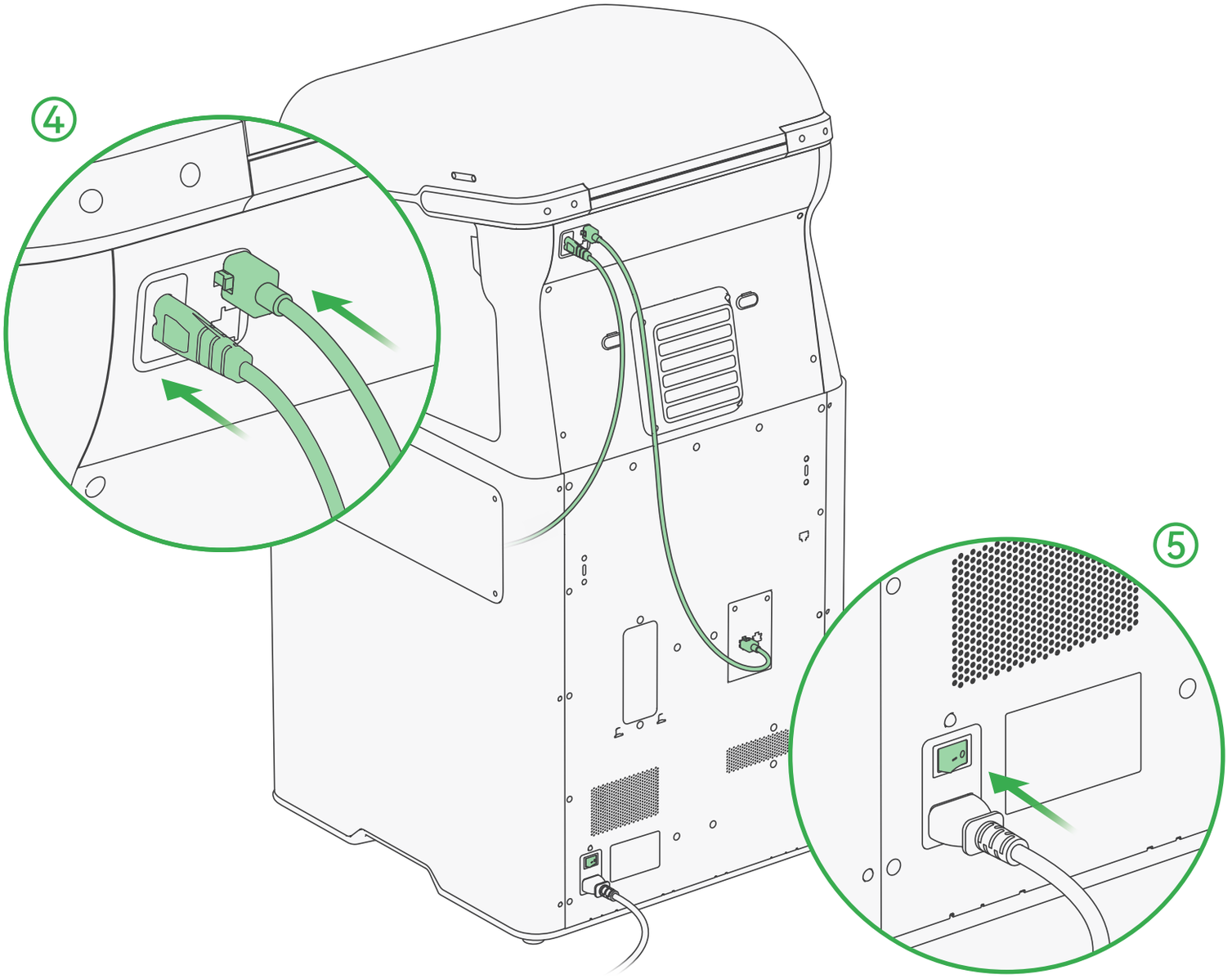
Tip: Align the yellow highlighted part, hook the CraftTool base onto the orange alignment frame, then align the green highlighted part to complete attachment.

## 16. Install the AMS Body



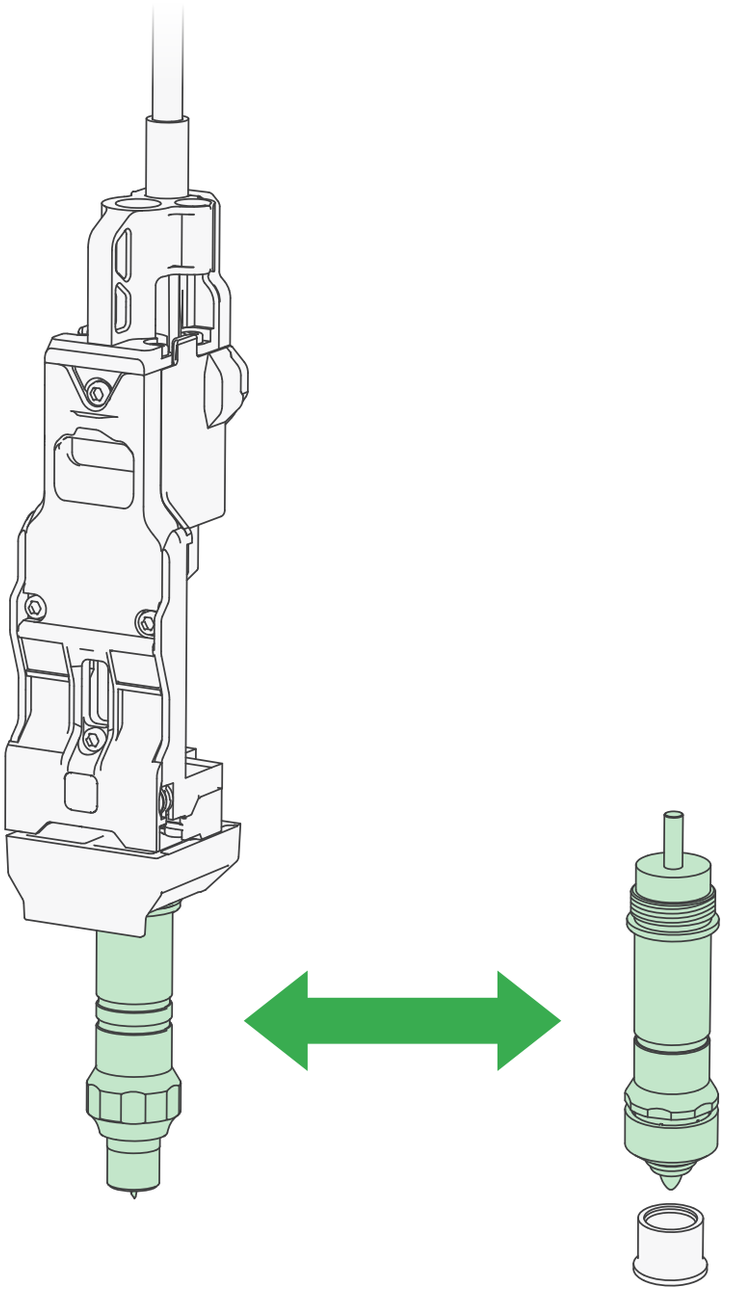

1) Gently place the AMS body on the bracket, ensuring it sits flush against the bracket.
   Note: Handle with care during operation to avoid injury.
2) Use an H2.0 allen key to tighten two screws on each side clockwise.
3) Magnetically install the left and right panel.

## 16. Install the AMS Body



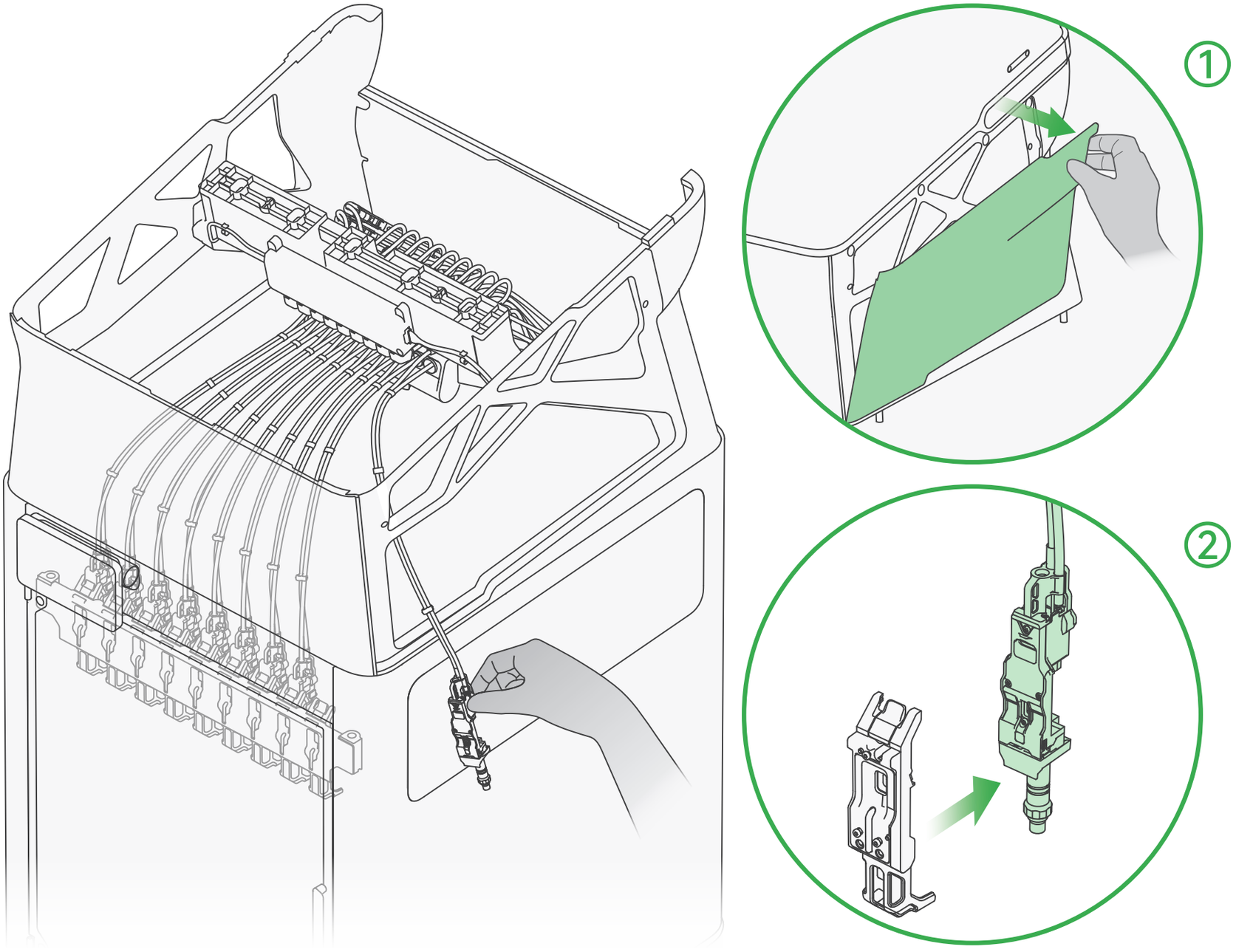

4) Insert the 6-pin cable and power cord into the rear of the AMS body.
5) Turn on the printer.

## 17. Switch the Blade Housing and Pen Housing



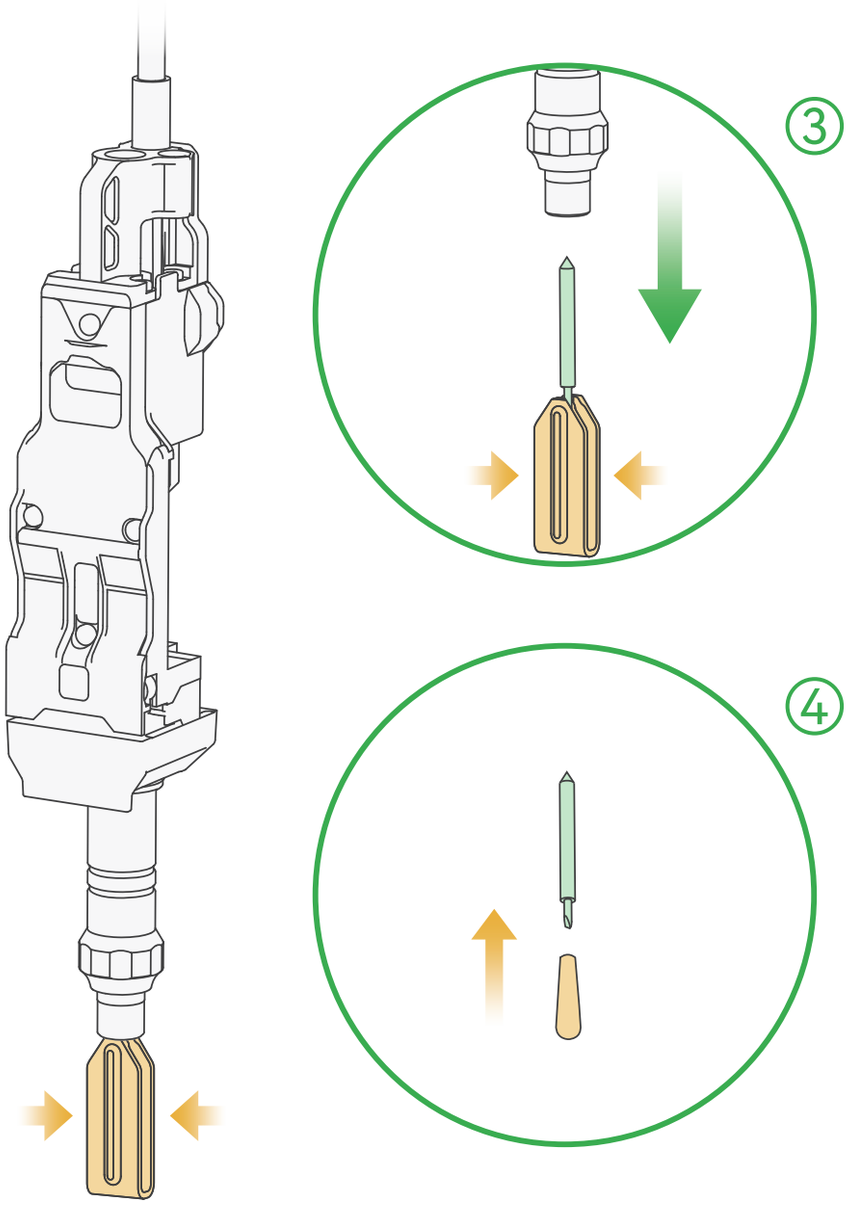
Swapping the blade housing and pen housing allows you to quickly switch between cutting and drawing functions.

## 17. Switch the Blade Housing and Pen Housing



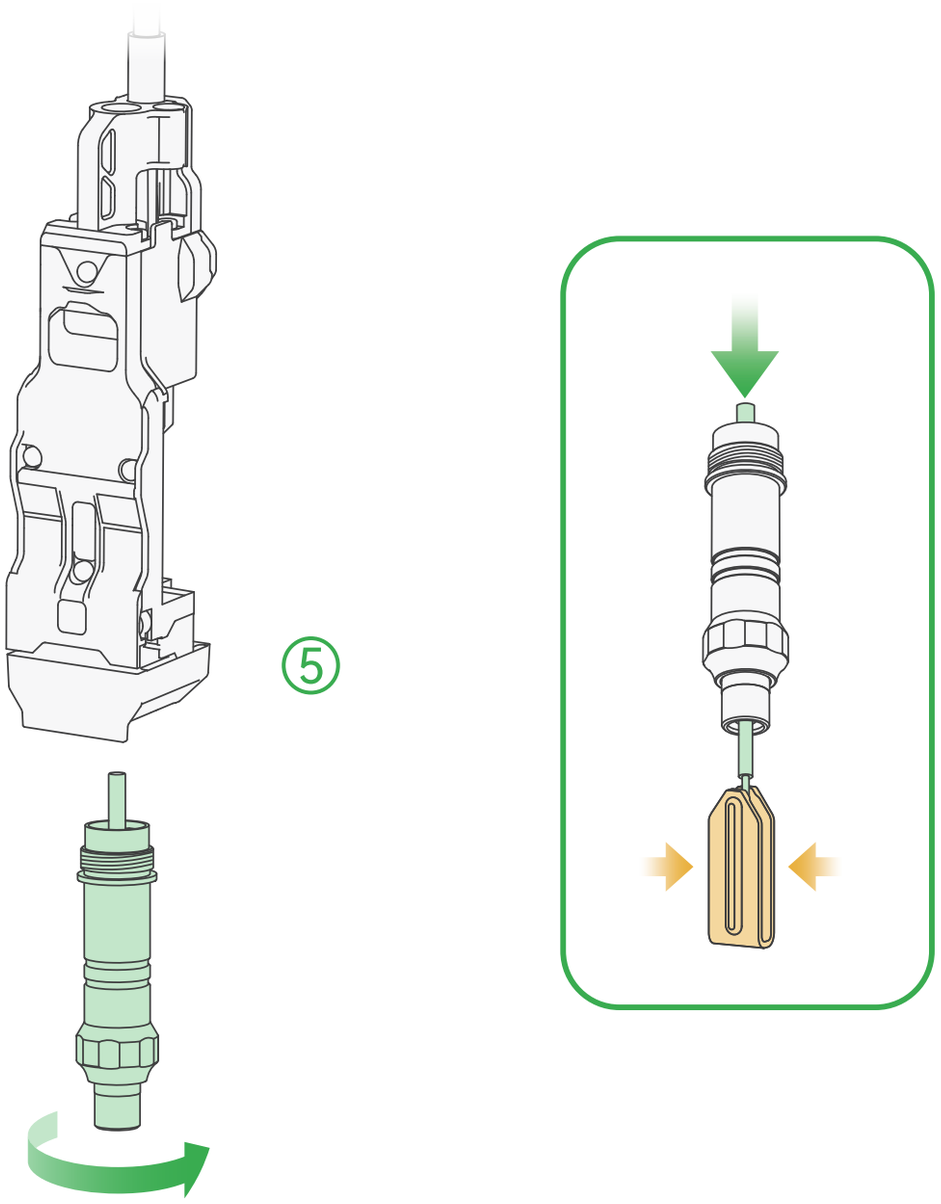

1) Remove the magnetic panel.
2) Gently pull the CutTool cable from the side to remove the CutTool.

## 17. Switch the Blade Housing and Pen Housing



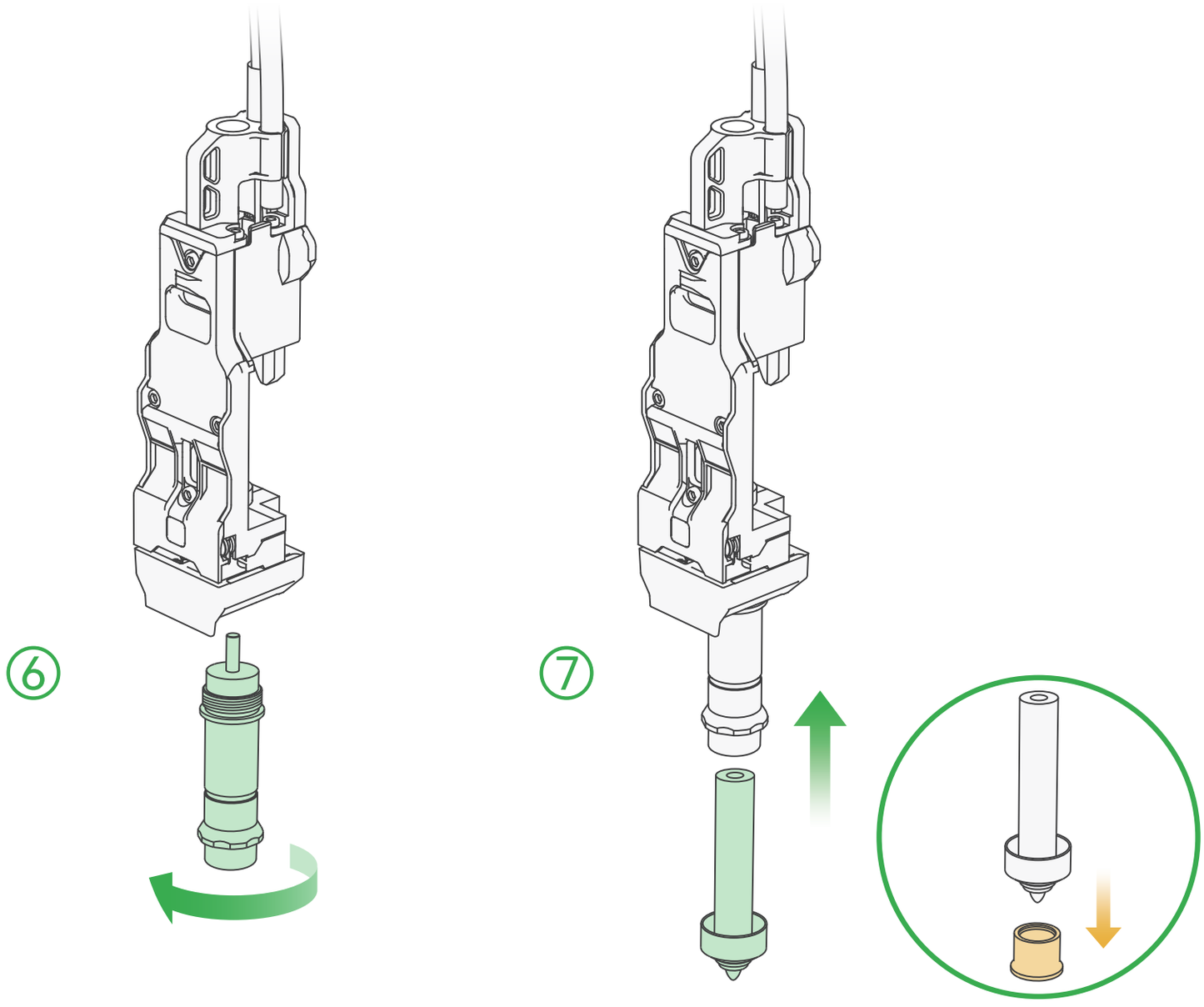

3) Use a blade change tool to grip the blade and remove it.
4) Place the protective cover on the blade.
   Note: The blade is extremely sharp. Handle with care to avoid injury!

## 17. Switch the Blade Housing and Pen Housing



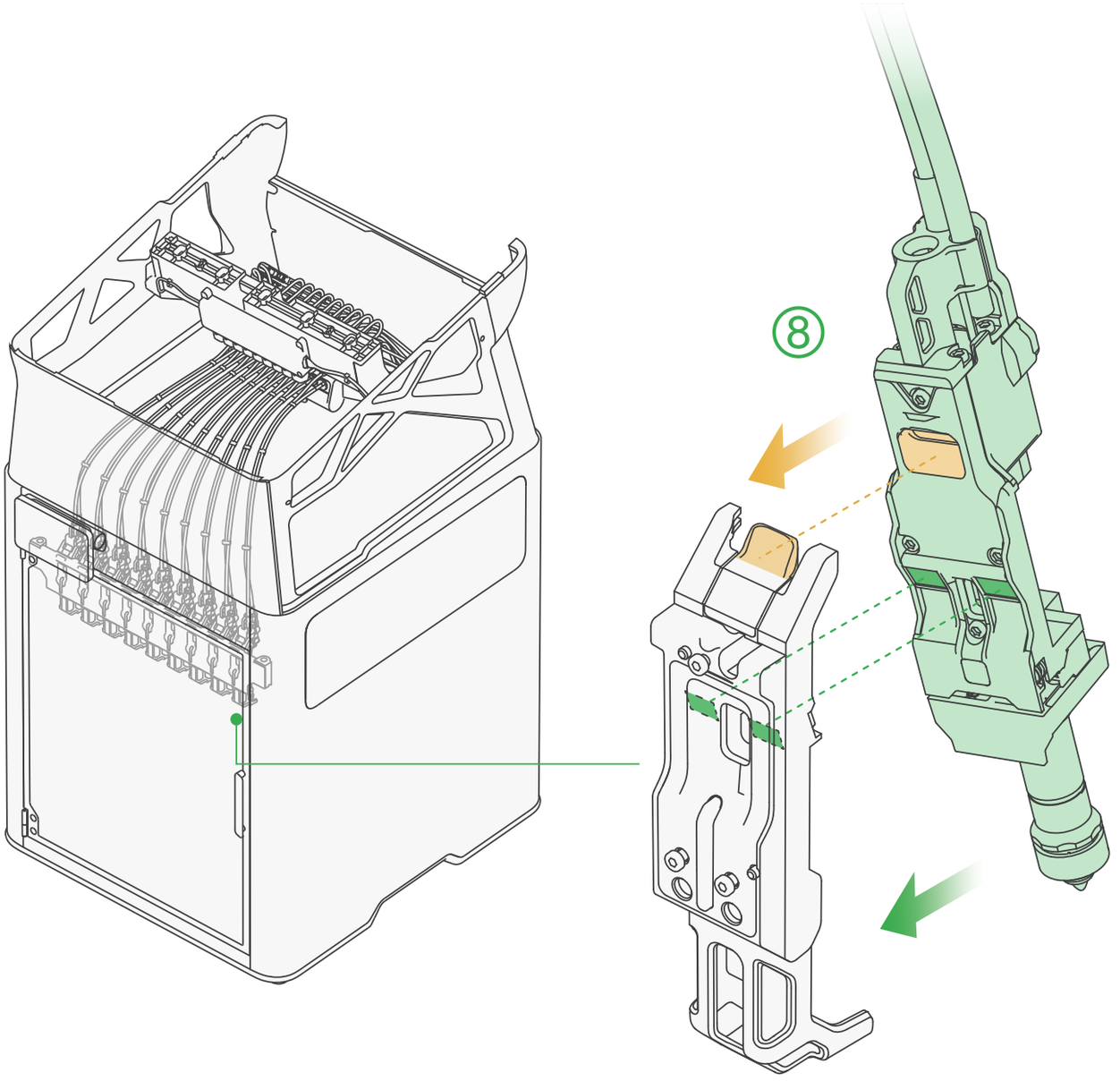

5) Unscrew the blade housing counterclockwise.
Tip: If the blade is difficult to grip, carefully remove the blade housing first, then press the push rod above to eject the blade.

## 17. Switch the Blade Housing and Pen Housing




6) Screw in and tighten the pen housing clockwise.
7) Remove the pen cap and insert the pen into the pen housing.

## 17. Switch the Blade Housing and Pen Housing




8) Make sure the flow blocker pad has been removed from the SwapTek rack dock, then magnetically install the DrawTool onto the SwapTek rack.
   Note: If the pen is not in use, replace the pen cap promptly to prevent the tip from drying out and affecting future use.
9) Reinstall the panel.

## 18. First Use

Please visit the wiki below for detailed usage instructions.

wiki.bambulab.com/manual/crafttool-setup

## 19. Regular Maintenance

Regular maintenance is essential to ensure the CraftTool's longer lifespan and optimal performance.

**CraftTool:**

Regularly check that the CraftTool is properly installed on the toolhead.

**Blade housing and pen housing:**

- Regularly check the blade housing and pen housing on the CraftTool base for proper installation and fully tightened threads.
- Regularly check for debris near the blade. If there is any, remove it to prevent buildup that can obstruct the blade's rotation.

**Consumables:**

- Regularly check the adhesion of the cutting mat and replace it when necessary to ensure the material can be securely held in place.
- Over time, the blade will wear down, resulting in cutting quality decline. Replace the blade regularly to maintain optimal performance.

bambulab.com/support/crafttool-maintenance

Please refer to the "Regular Maintenance Recommendations" section on our wiki for more information.

## 20. Specifications

| Item | Specification |
| --- | --- |
| Cutting Area | Bambu Lab H3C: 300*300 mm<br>P3C: 230*230 mm |
| Drawing Area | Bambu Lab H3C: 300*300 mm<br>P3C: 230*230 mm |
| Cutting Mat Type | LightGrip and StrongGrip Cutting Mats |
| Blade Type | 45° Fine-point Blade, 0.2 mm Deboss Tip, 0.35 mm Foil Transfer Tip |
| Blade Pressure Range | 50 gf–600 gf |
| Max Cutting Thickness | 0.5 mm |
| Cutting Mat Type Detection | Supported |
| Supported Image Type | Bitmap and Vector Images |

# 21. Technical Support

If you need technical support, please use any of the following methods:

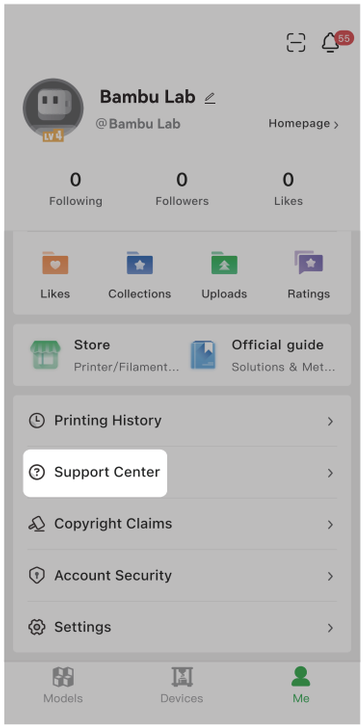
Method 1: Visit the Bambu Lab Wiki for tutorials and maintenance guidance.
wiki.bambulab.com

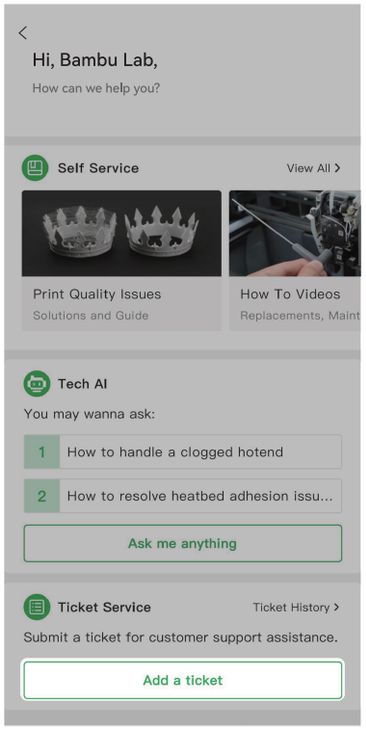
Bambu Lab Wiki

Method 2: Get in touch through one of the options listed in the Contact Us section of our Support Center.
bambulab.com/support

Bambu Lab Support Center

Method 3: Create a support ticket on Bambu Handy, from the Support Center section.





Bambu Lab

www.bambulab.com