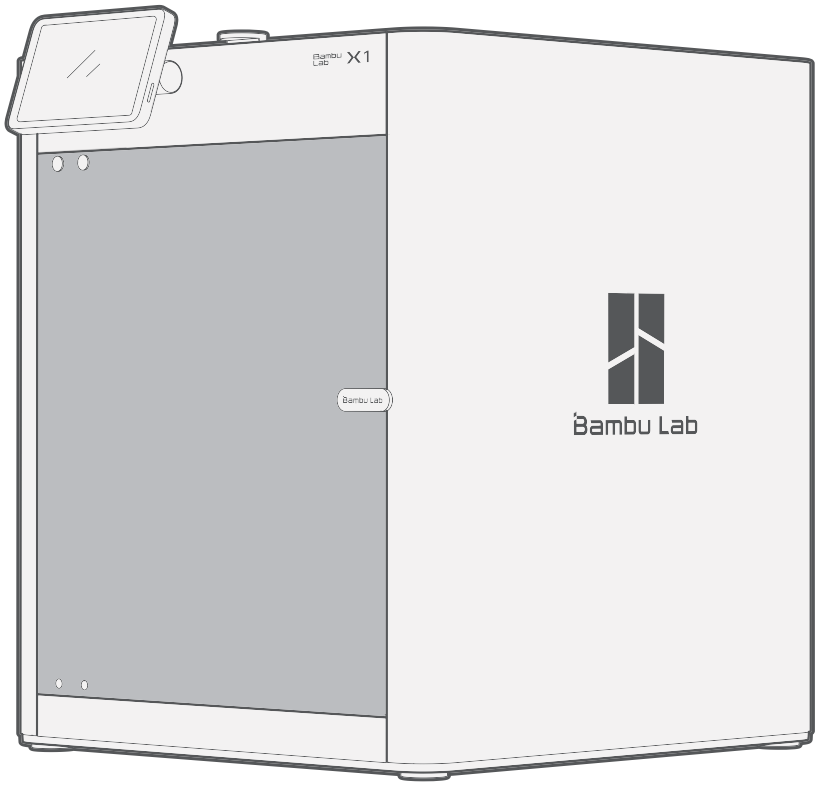
Bambu Lab X1 & X1-Carbon 3D Printer

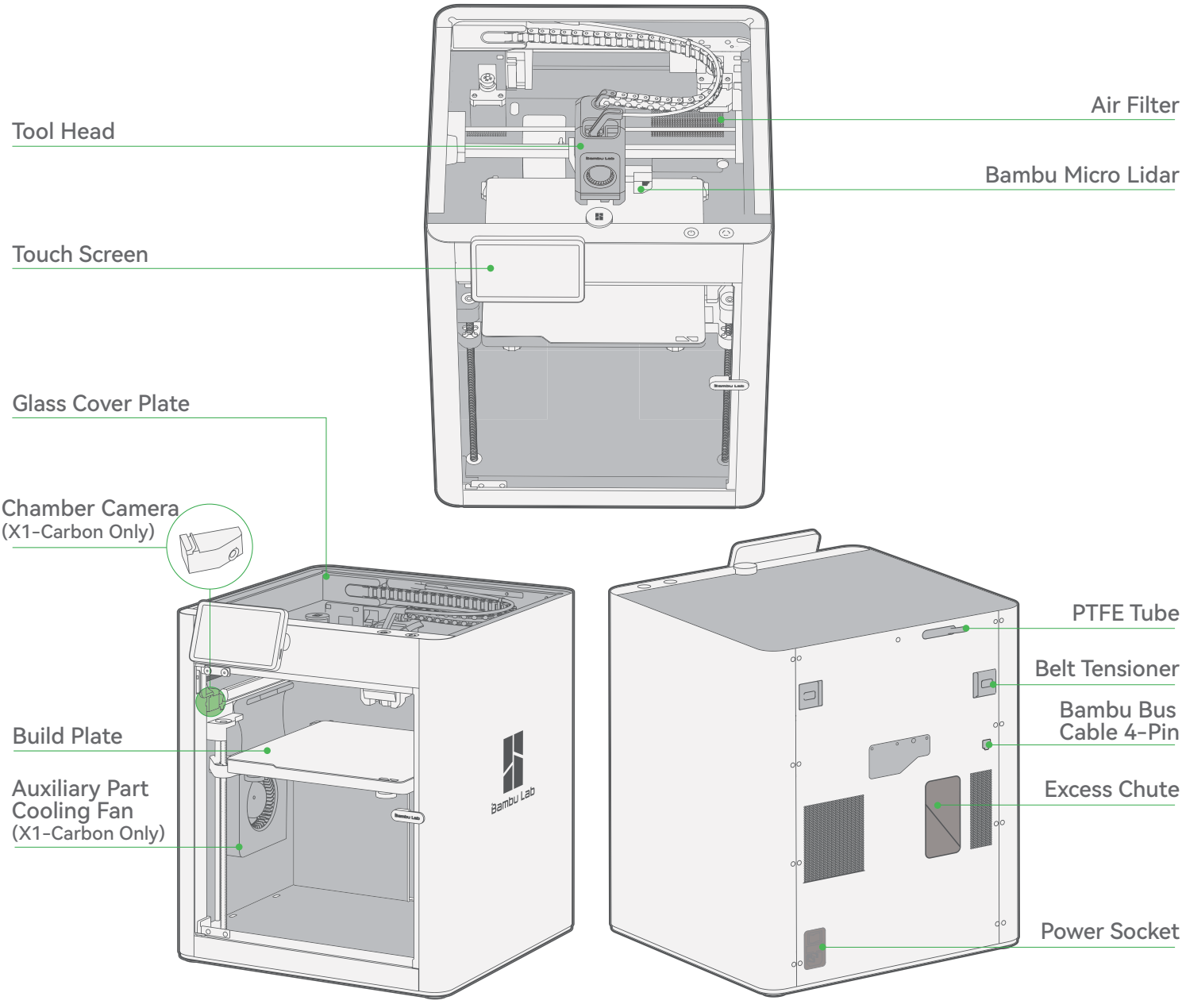
Quick Start

Please review the entire guide before operating the printer.

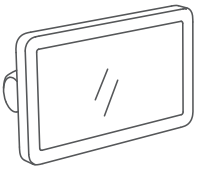
*** Safety Notice: Do not connect to power until the assembly is complete.**



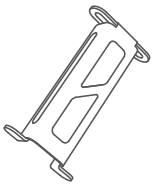
Component Introduction



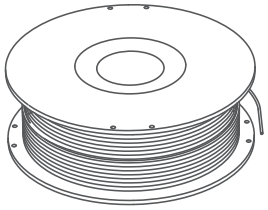
Accessory Specification



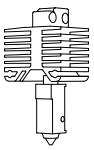
Touch Screen



Spool Holder

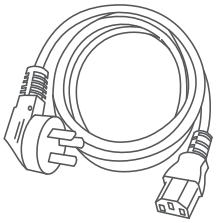


250g Filament



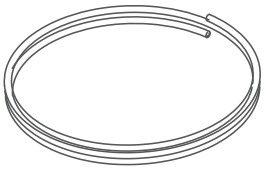
Spare Hot End

Nozzle Wiping Pad (x2)



Power Cord

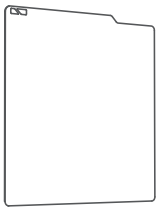
Unclogging Pin Tool



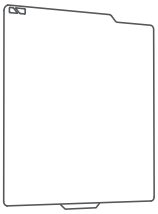
PTFE Tube

Allen Key H1.5
Allen Key H2

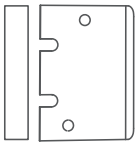
Glue Stick for Build Plate



Spare Sheet for Bambu Cool Plate (x2)

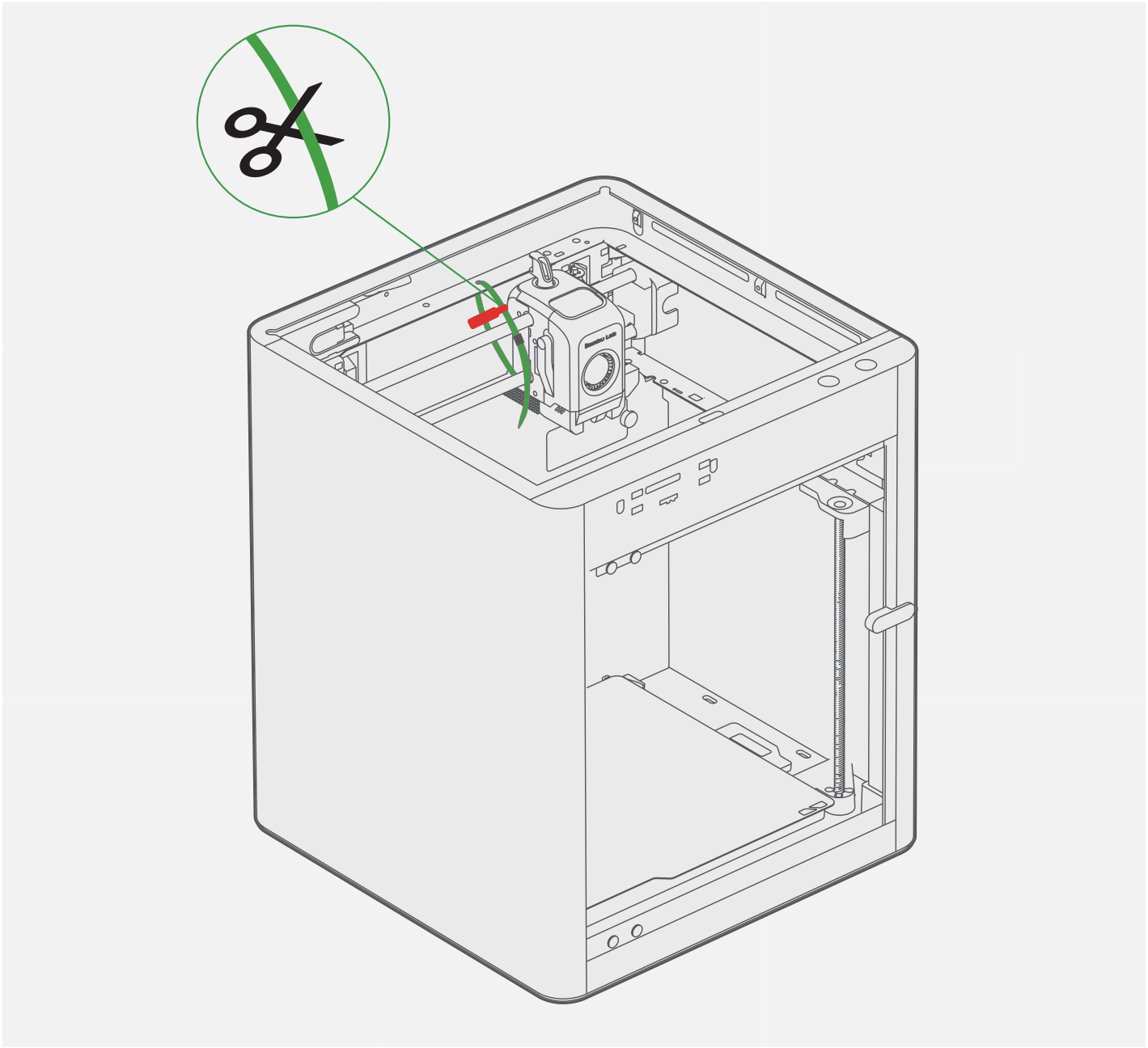


Flexible Build Plate

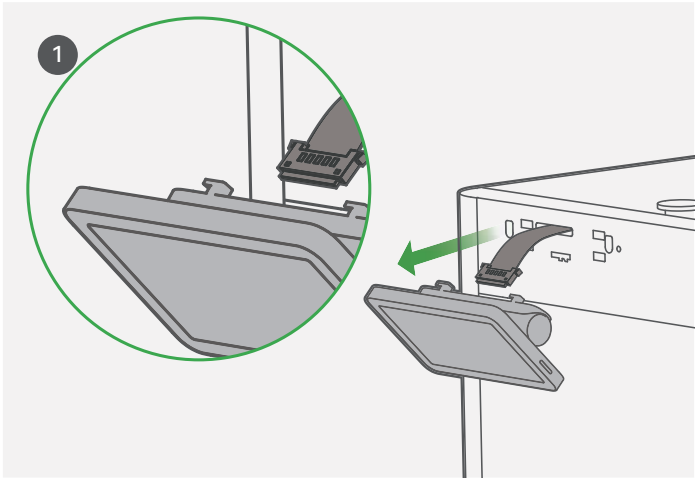


Bambu Scraper

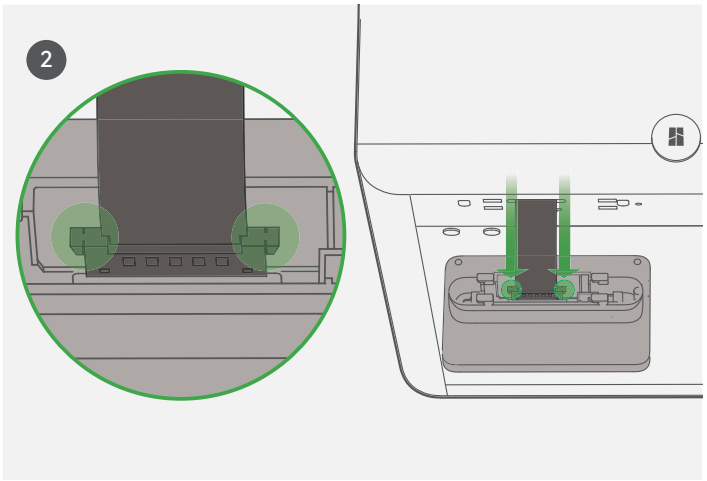
Tool Head Unlock



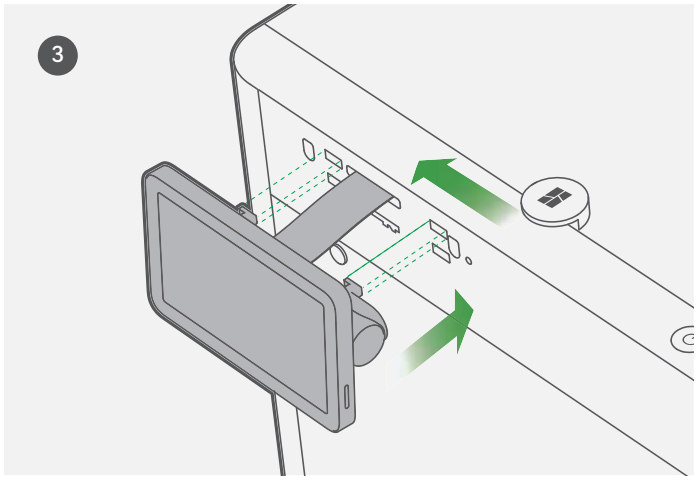
Screen Installation



Pull the flat flex cable out about 50mm.

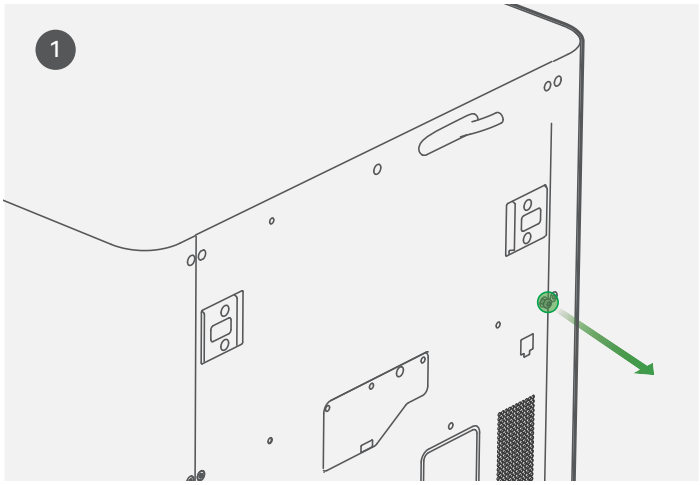


Insert the flat flex cable into the port by pressing the terminal as pictured.

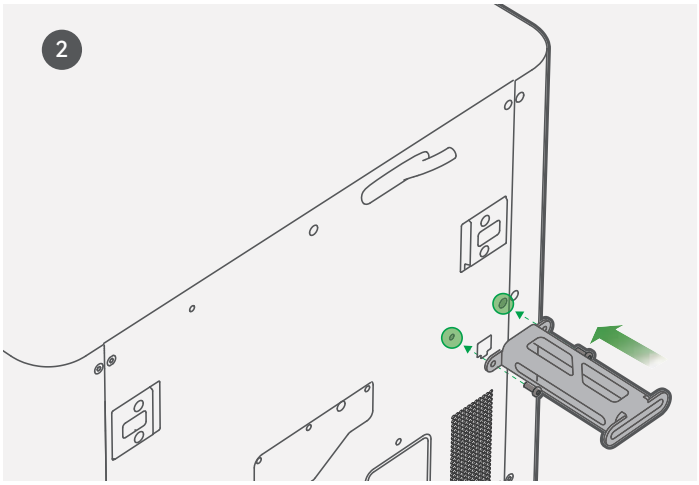


Insert the screen back to the slot on the printer, then lock it by pushing it to the left.

Spool Holder Assembly

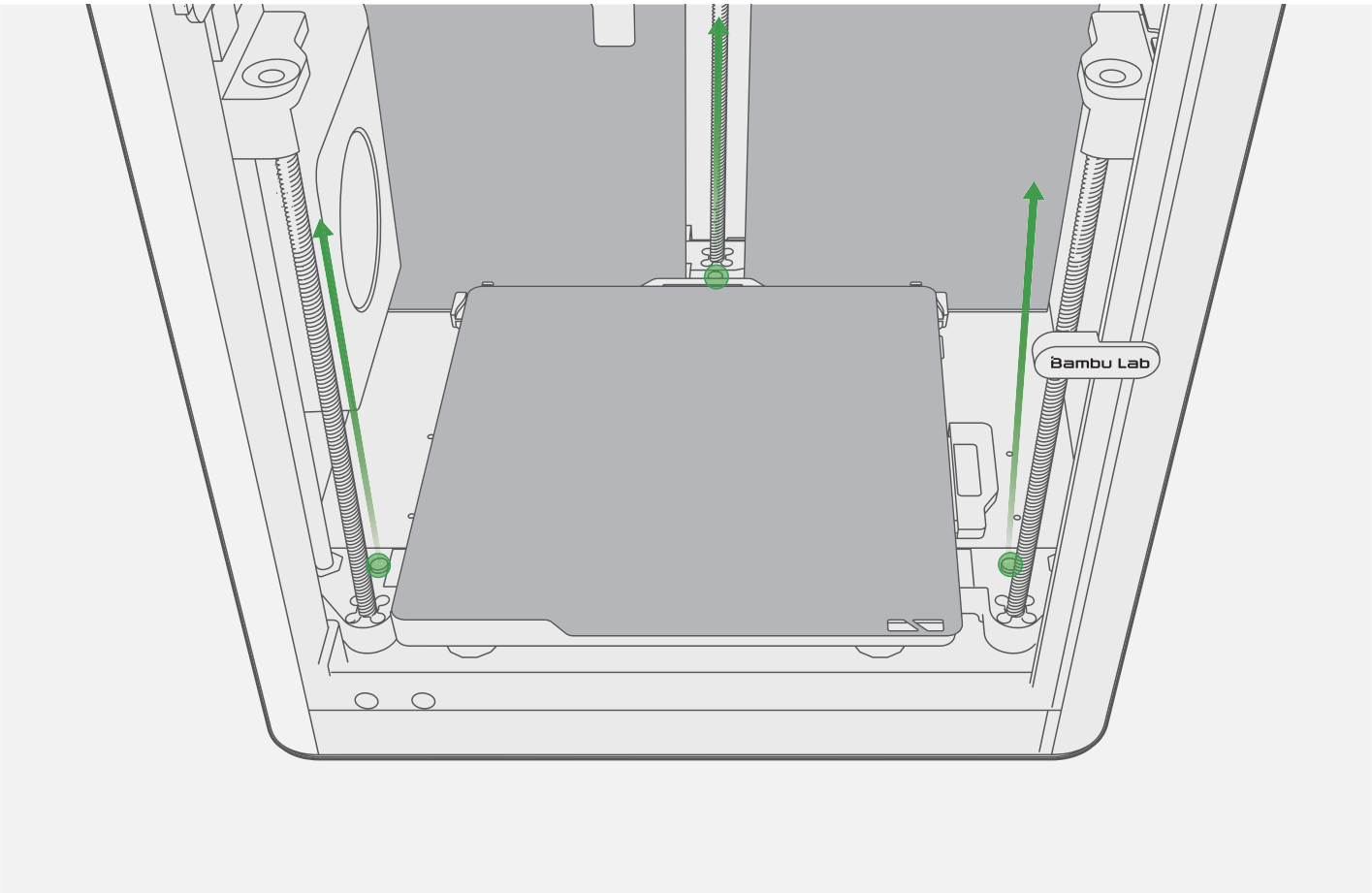


Remove the screw as pictured.



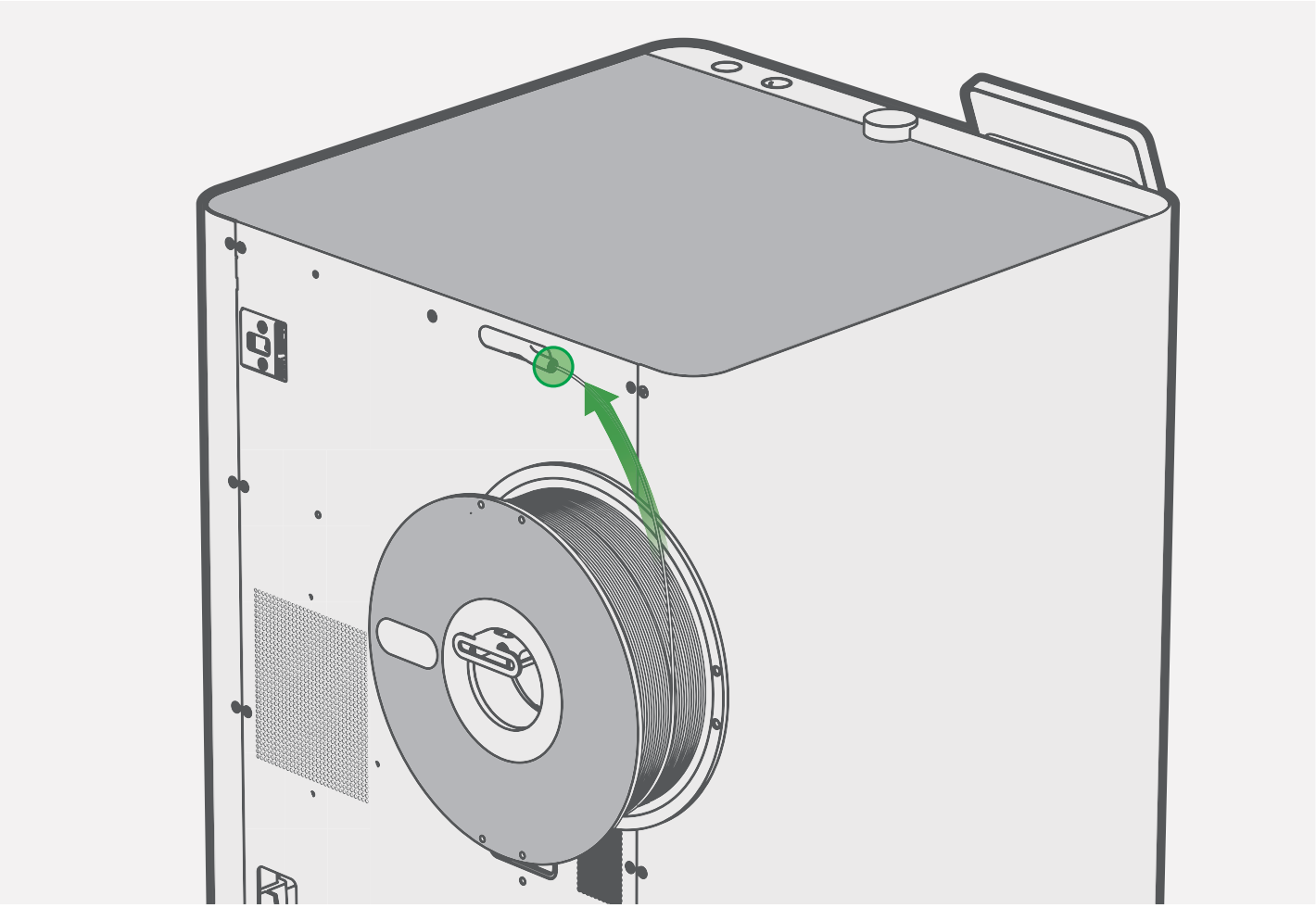
Screw the spool holder onto the hole sites as pictured.

Hot Bed Unlock



Remove the three screws to unlock the hot bed. Connect the printer to power. Follow the instructions on the screen to complete the initial calibration. Remove the protective foam beneath the hot bed when calibration is complete.

Filament Loading



Insert the filament into the PTFE Tube. Keep pushing the filament until it can not move forward.

Specification

Technology		X1-Carbon	X1
		Fused Deposition Modeling	
Body	Build Volume(W*D*H)	256*256*256 mm	
	Chassis	Steel	
	Shell	Aluminum & Glass	Polycarbonate & Glass
Tool Head	Hot End	All-Metal	
	Extruder Gears	Hardened Steel	Steel
	Nozzle	Hardened Steel	Stainless Steel
	Max Hot End Temperature	300℃	
	Nozzle Diameter (Included)	0.4 mm	
	Nozzle Diameter (Optional)	0.2 mm, 0.6 mm, 0.8 mm	
	Filament Cutter	Yes	
	Filament Diameter	1.75 mm	
Hot bed	Build Plate	Flexible Steel Plate	
	Build Plate Surface(Included)	Bambu Cool Plate, Bambu Engineering Plate	
	Build Plate Surface (Optional)	Bambu Hot Plate	
	Max Build Plate Temperature	120℃	
Speed	Max Speed of Tool Head	500 mm/s	
	Max Acceleration of Tool Head	20 m/s^2	
	Max Hot End Flow	32 mm^3/s @ABS	
Cooling	Part Cooling Fan	Closed Loop Control	
	Hot End Fan	Closed Loop Control	
	Control Board Fan	Closed Loop Control	
	Chamber Temperature Regulator Fan	Closed Loop Control	
	Auxiliary Part Cooling Fan	Closed Loop Control	Optional
	Air Filter	Activated Carbon Filter	Optional
Supported Filament	PLA, PETG, TPU,ABS,ASA,PVA,PET	Yes	
	PA, PC	Ideal	Capable
	Carbon/Glass Fiber Reinforced Polymer	Ideal	Not Recommended
Sensors	Bambu Micro Lidar	Yes	
	Chamber Monitoring Camera	1920*1080 Included	Optional
	Door Sensor	Yes	
	Filament Run Out Sensor	Yes	
	Filament Odometry	Optional with AMS	
	Power Loss Recover	Yes	
Physical Dimensions	Dimensions	389*389*457mm	
	Net Weight	14.13kg	13.18kg

Electrical Requirements	Voltage	100-240 VAC, 50/60 Hz
	Max Power	1000W@220V, 350W@110V
Electronics	Display	5-inch 1280*720 Touch Screen
	Connectivity	Wi-Fi,Bambu Bus
	Storage	4GB EMMC and Micro SD Card Reader
	Control Interface	Touch Screen, APP, PC Application
	Motion Controller	Dual-Core Cortex M4
	Application Processor	Quad ARM A7 1.2 GHz
	Neural-Network Processing Unit	2 Tops
Software	Slicer	Bambu Studio, Cura, Superslicer
	Slicer Supported OS	MacOS, Windows
Wifi	Frequency Range	2400MHz-2483.5MHz
	Transmitter Power（EIRP)	≤ 21.5dBm(FCC) ≤ 20 dBm（CE/SRRC)
	Protocol	802.11b/g/n
Laser	Wavelength	405nm, 808nm
	Transmitter Power	≤ 5mW
	Maximum Output of Laser Radiation	<0.39mW

Enjoy!

If you run into any issues during the guided setup, we are here to help.
customersupport@bambulab.com

www.bambulab.com

折页形式

材质：80g 哑粉纸

工艺：模切，单色专色印刷

PANTONE:447 C

正面

Bambu Lab X1 Series 3D Printer

Disclaimer and Safety Guidelines

Disclaimer and Warning

Thanks for purchasing a Bambu Lab product. The information in this document affects your safety and your legal rights and responsibilities. Read this entire document carefully to ensure proper configuration before use. Failure to read and follow instructions and warnings in this document may result in serious injury to yourself or others, damage to your Bambu Lab product, or damage to other objects in the vicinity. This document and other collateral documents are subject to change at the sole discretion of Bambu Lab.

By using this product, you hereby signify that you have read this disclaimer and warning carefully and that you understand and agree you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all applicable laws, rules and regulations, and all terms, precautions, practices, policies, and guidelines Bambu Lab has made and may make available. Bambu Lab accepts no liability for damage, or injury or any legal responsibility incurred directly or indirectly from the use of the product. The user shall observe safe and lawful practices including, but not limited to, those set forth in this document.

Bambu lab is a trademark of Shenzhen Tuozhu Technology Co., Ltd. and its affiliated companies. Names of products, brands, etc., appearing in this manual are trademarks or registered trademarks of their respective owner companies.

Before You Start

The following documents have been produced to help you safely operate and make full use of your Bambu Lab X1 Series 3D Printer:

Bambu Lab X1 Series 3D Printer Disclaimer and Safety Guidelines

Bambu Lab X1 Series 3D Printer Quick Start Guide

Check that you have all the included parts. Please review the entire Quick Start Guide before operating the printer. Read the Disclaimer and Warning above to understand yourlegal rights and responsibilities. If you have any questions or problems during the installation, maintenance, or use of this product, please contact a Bambu Lab authorized dealer.

Safety Guidelines

1. The product must be disconnected from the power supply before carryingout any installation or maintenance work.
2. Installation and maintenance must be carried out by a skilled worker in compliance with the manufacturer's instructions and local safety regulations.
3. Do not use multiple plug adapters or extension leads.
4. Do not touch the product with any wet part of the body and do not operate it while barefoot.
5. Do not reach inside the appliance while it is in operation.
6. Children using or near the printer must be accompanied and supervised by a responsible adult at all times.
7. This product is designed solely for indoor use. It should be kept in a dry environment.
8. The recommended operating temperature for the appliance is between 0°C to 40°C (32°F to 104°F).
9. The recommended humidity level is under 85%.
10. The product should be positioned on a clean, stable and flat workbench.
11. The product should be kept it in a well-ventilated location.

Compliance Information

FCC Compliance Notice

Supplier's Declaration of Conformity

Product name: X1/X1-Carbon

Model Number: PF001-A/PF001-P

Responsibility Party: Shenzhen Tuozhu Technology Co.,Ltd. (Bambulab USA Inc)

Responsibility Party Address: 8000 Centre Park Drive, STE 330, Austin, TX, 78754

Website: www.bambulab.com

反面

We, Shenzhen Tuozhu Technology Co.,Ltd.（Bambulab USA Inc）, being the responsible party, declares that the above mentioned model was tested to demonstrate compliance with all applicable FCC rules and regulations.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. **Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ISED Compliance Notice

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient un (s) émetteur (s) / récepteur (s) exempté (s) de licence (s)conforme à l'innovation, à la science et au développement économique Canada exempte (s) RSS (s). L'opération est soumise aux deux conditions suivantes:
(1) Cet appareil peut ne pas causer d'interférence. (2) Cet appareil doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

EU Compliance Statement

Hereby, Shenzhen Tuozhu Technology Co., Ltd. declares that the radio equipment type X1/X1-Carbon is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **www.bambulab.com/euro-compliance**

GB Compliance Statement

Hereby, Shenzhen Tuozhu Technology Co., Ltd. declares that the radio equipment type X1/X1-Carbon is in compliance with Radio Equipment Regulations 2017. The full text of the GB declaration of conformity is available at the following internet address: **www.bambulab.com/euro-compliance**

Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed.3.,as described in Laser Notice No.56,dated May 8,2019

www.bambulab.com

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