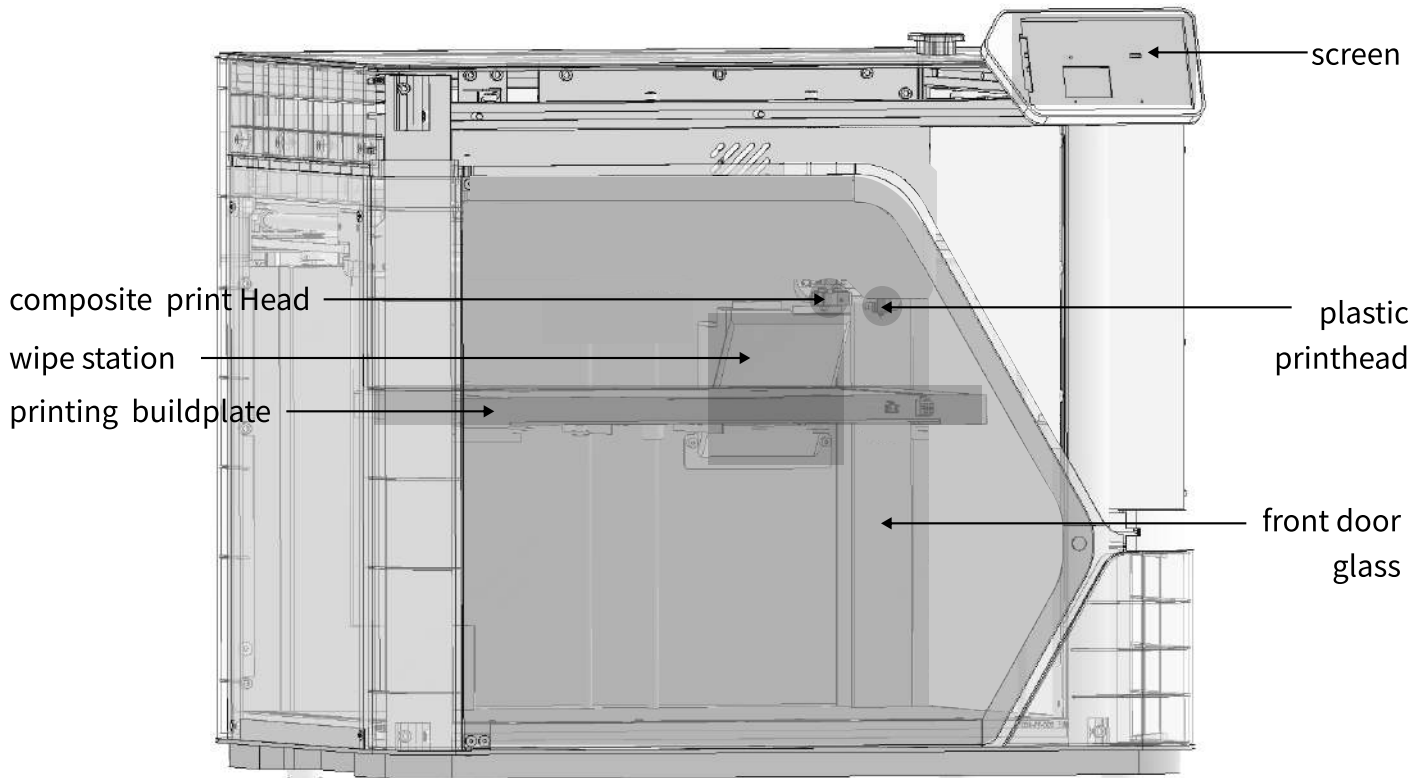




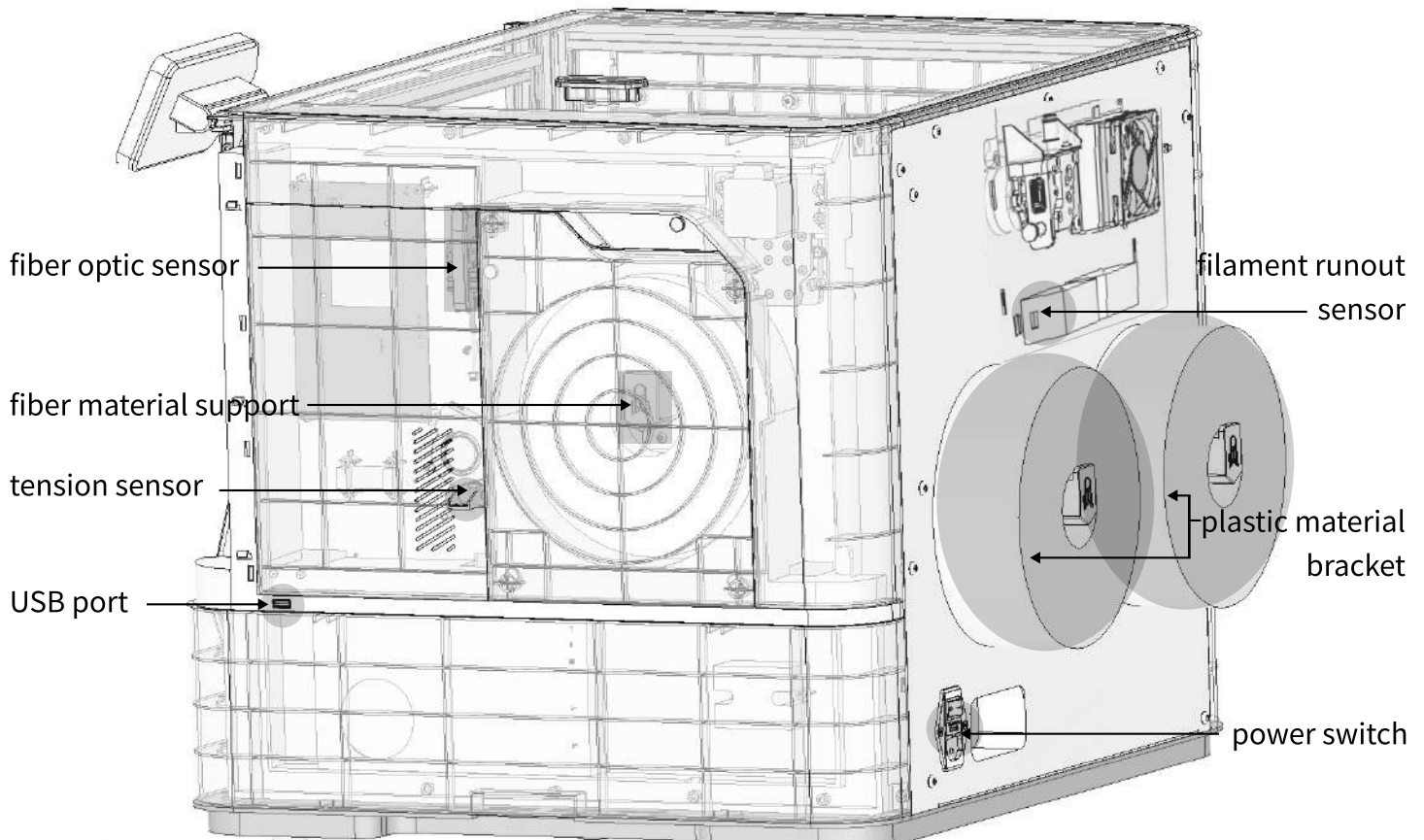
1.1 TECHNICAL PARAMETERS OF THE EQUIPMENT

Device Model:	Seeker 3
Print Size:	300mm*300mm*245mm
Technology Type:	Fused Filament stacking Fabrication Composite Fiber Co-extrusion
Print Accuracy:	±0.1mm
Minimum Layer Thickness:	60μm
Print Speed:	Plastic 500mm/s;Carbon Fiber 20cc/h
Composite Head Nozzle Diameter:	0.7mm
Plastic Head Nozzle Diameter:	0.4mm
Platform:	Spring steel magnetic platform,Flexible high Temperature PEI buildplate
Heat Dissipation:	Fan cooling
Device Dimensions:	630mmx520mmx525mm
Control Panel:	5 inch touchscreen
Device Weight:	30kg
Print Head:	Dual printhead(FFF extruder,CFC extruder)
Voltage:	220-240V(Optional 100-120V)
Maximum Power:	1200W
Auto-Leveling:	Fully automatic gap-free leveling
OS:	Windows7,8,10
Interface Type:	USB- TypeB
Slicing Software:	AnisoprintAura(FFF+CFC)
Data Output Format:	Compatible with stl,step,3ds,obj etc.
Supported Consumable Types:	Plastic:PLA/PETG/PACF/PETCF/PPS CF Fiber:CCF 1K/CGF; Functional support consumables: BVOH/Break-away support

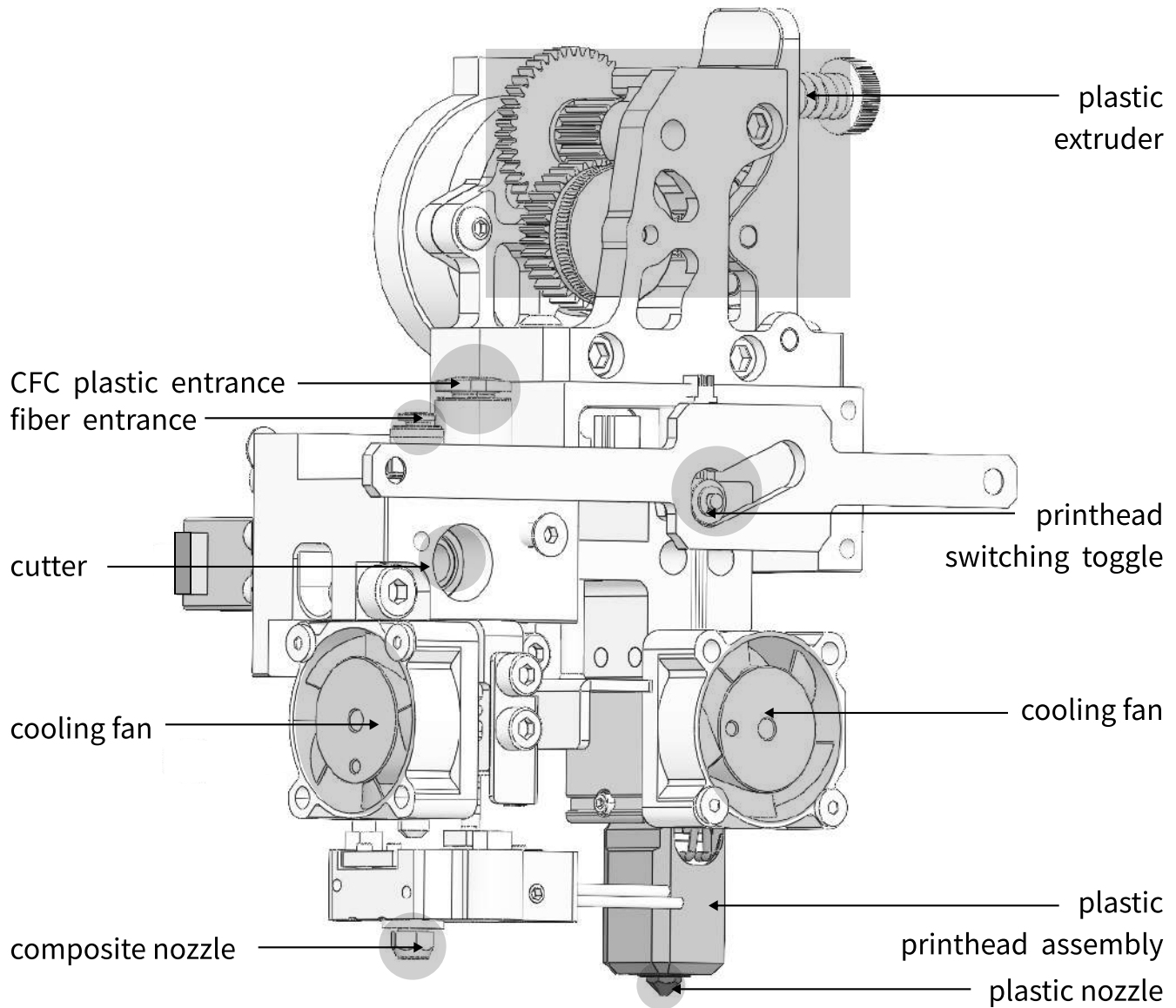
1.2 COMPONENTS OF EQUIPMENT



1.2 COMPONENTS OF EQUIPMENYT



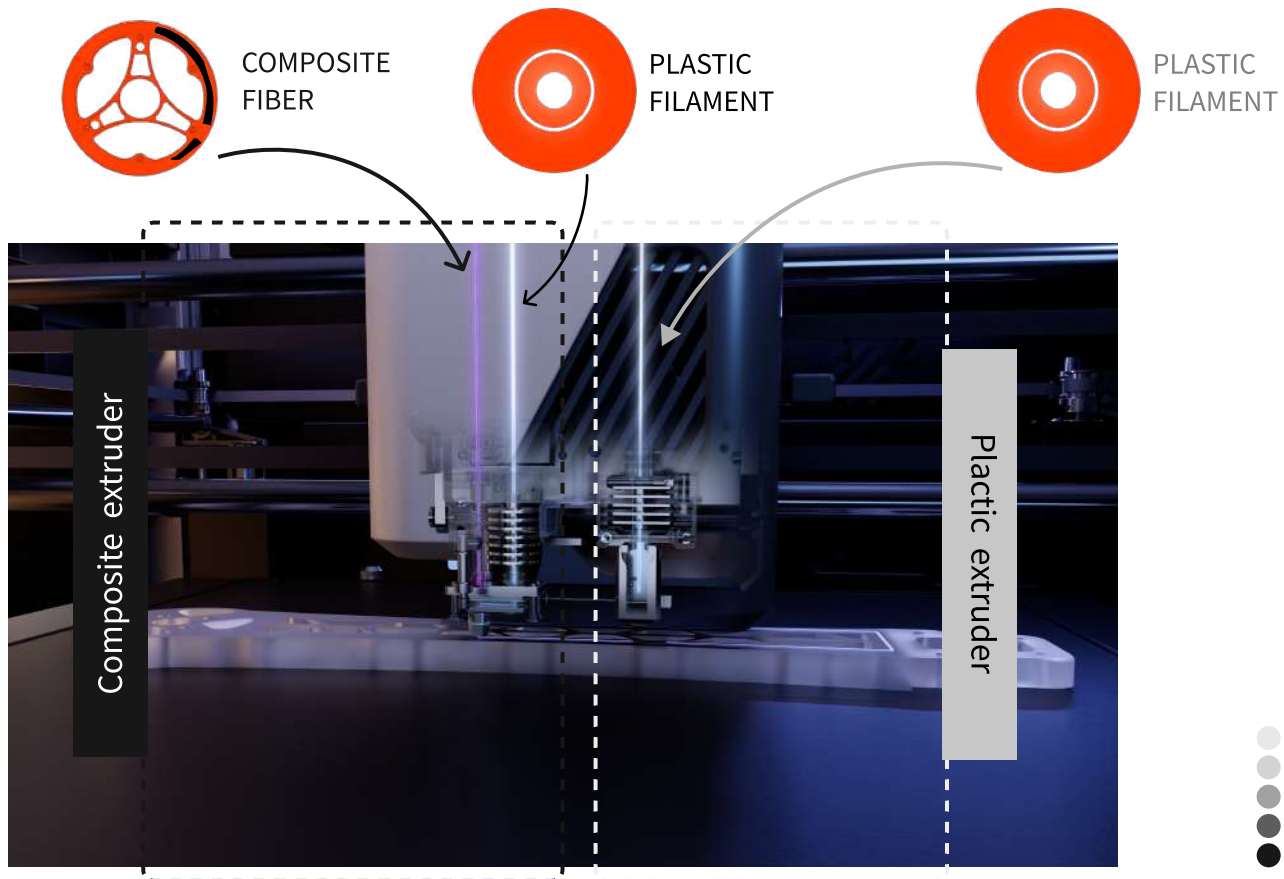
1.2 COMPONENTS OF EQUIPMENT

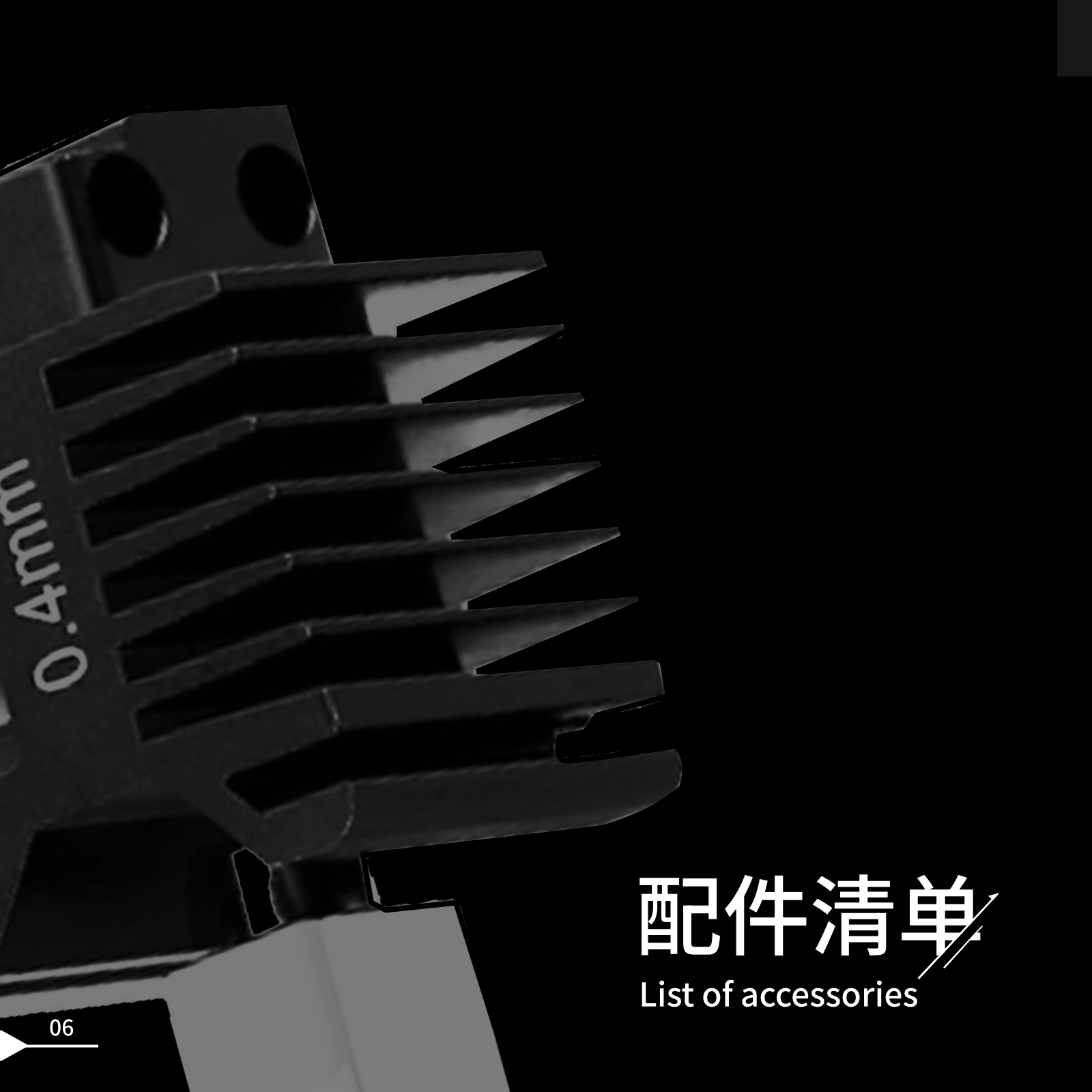


1.3 CFC TECHNOLOGY

1. Composite fiber coextrusion (CFC) is an additive manufacturing process designed to produce lightweight and robust composite parts with complex shapes and internal structures. The process consists of embedding continuous composite fibers into molten plastic using a specially developed print head.

TWO INPUTS, ONE OUTPUT IN COMPOSITE EXTRUDER

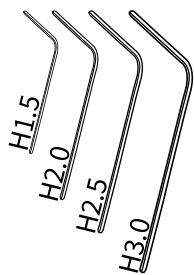




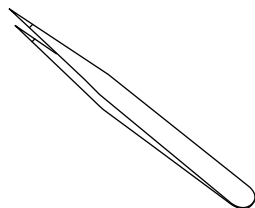
配件清单

List of accessories

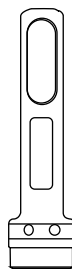
1.4 配件清单



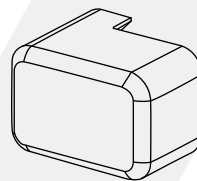
allen key



straight tweezers



printing platform
shovel



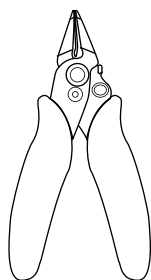
toggle collision
block



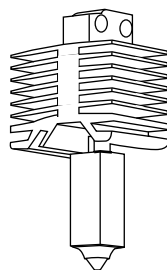
thermal grease



lubricant



tweezers



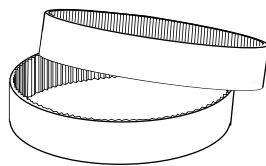
plastic hotend
assembly



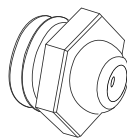
unclogging
needles



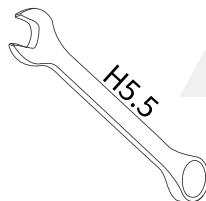
printing platform
adhesive



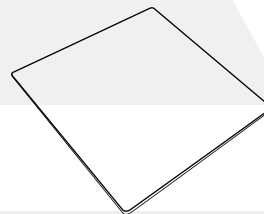
Fiber extrusion
timing belt



composite nozzle



wrench



PEI plate

2.1 SAFETY INSTRUCTIONS



ELECTRICAL SAFETY

Ensure that the power supply voltage matches the rated voltage of the printer before use, and avoid using broken power cords or sockets.

Do not touch the heated parts (printhead, hot bed) during printing to avoid burns.

Turn off and unplug the printer when it is not in use for a long period of time.



MATERIAL SAFETY

Use only equipment-compatible supplies (e.g., PLA, ABS, PETG, etc.); poor-quality supplies may cause clogging or the release of harmful gases.

Maintain ventilation when printing, especially when printing materials that may release odors such as ABS.

Consumables need to be stored in a dry environment to avoid moisture affecting print quality.



MECHANICAL SAFETY

Do not manually intervene with moving parts (e.g. printheads, platforms) while the printer is running to prevent mechanical damage or print failure.

Regularly check the tightness of belts, screws and guides to ensure equipment stability.



ENVIRONMENT REQUIREMENTS

Place the printer on a smooth, fire-resistant, well-ventilated countertop and avoid direct sunlight or humid environments.

The working environment temperature is recommended to be between 15-30°C to avoid excessive temperature difference that may cause material shrinkage or warping.

Keep away from children, pets or flammable objects and make sure the operating space is free from obstacles.

2.2 INSTRUCTIONS FOR USE

ATTENTION DURING PRINTING

- ① Monitor the whole process: When using for the first time or trying new parameters, it is recommended to observe the printing process the whole time to prevent abnormal situations.
- ② Do not force interruptions: non-emergency avoid direct power failure, you can pause or stop the task through the printer control panel.
- ③ Emergencies: such as smoke, unusual noise or material leakage, immediately disconnect the power and contact the technical support



PRECAUTIONS WHEN USING CARBON FIBER

WARNING:

- ① Do not place the printer next to an uncovered electrical outlet or laboratory power source as carbon fiber may catch fire. Carbon fiber is a good conductor of electricity, the current through the carbon fiber, causing it to instantly catch fire which could result in personal injury and equipment failure.
- ② If the composite fiber breaks for any reason, do not touch the direct break area with unprotected skin. Carbon fiber consists of thousands of thin, pointed fibers that can easily become embedded in the skin, and even intact fibers sometimes produce fragments.
- ③ When a fiber breaks, small particles may inadvertently enter the eyes or respiratory system. Always wear safety glasses and a protective mask if you need to carefully inspect the components of the Composer CFC printer where the carbon fibers are exposed outside the protective tube.



WARNING:

Do not work with carbon fibers without wearing personal protective equipment, including gloves, goggles, and face shield.

2.3 DISCLAIMER

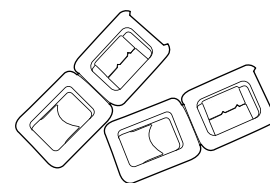
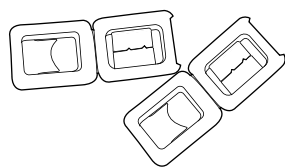
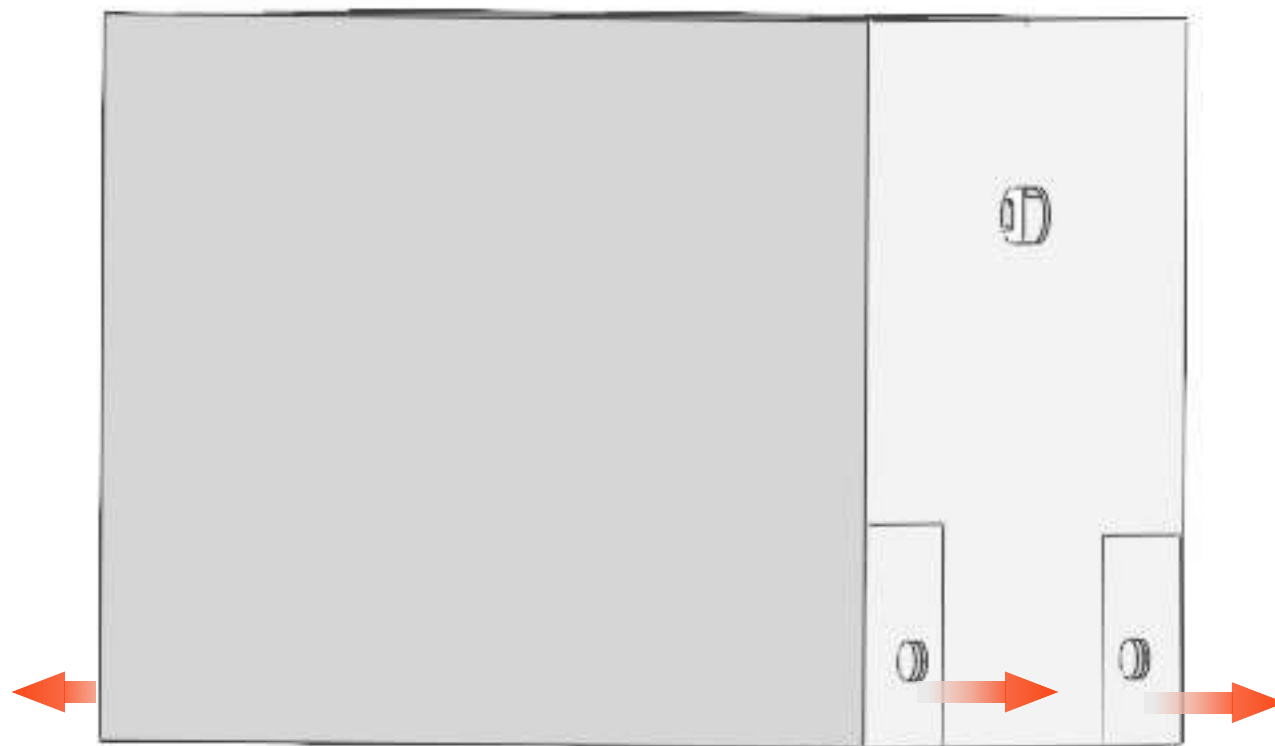
1. Please read the instruction manual carefully before using this equipment. Any damage caused by improper operation, modification of the equipment or use of non-original consumables is your own responsibility.
2. Printing illegal, dangerous or infringing goods is prohibited, violators bear full legal responsibility.
3. Print quality is affected by the environment, consumables and settings, 100% success rate is not guaranteed, and no responsibility is assumed for wasted materials or failed prints.
4. Unauthorized modification will void the warranty and may cause security problems, the responsibility is borne by the user.
5. No responsibility for damage caused by natural disasters, power problems and other force majeure.

Note: Specific rights and benefits are subject to the purchase agreement, please make sure you are aware of the risks before use.

3.1 UNPACKING PREPARATIONS

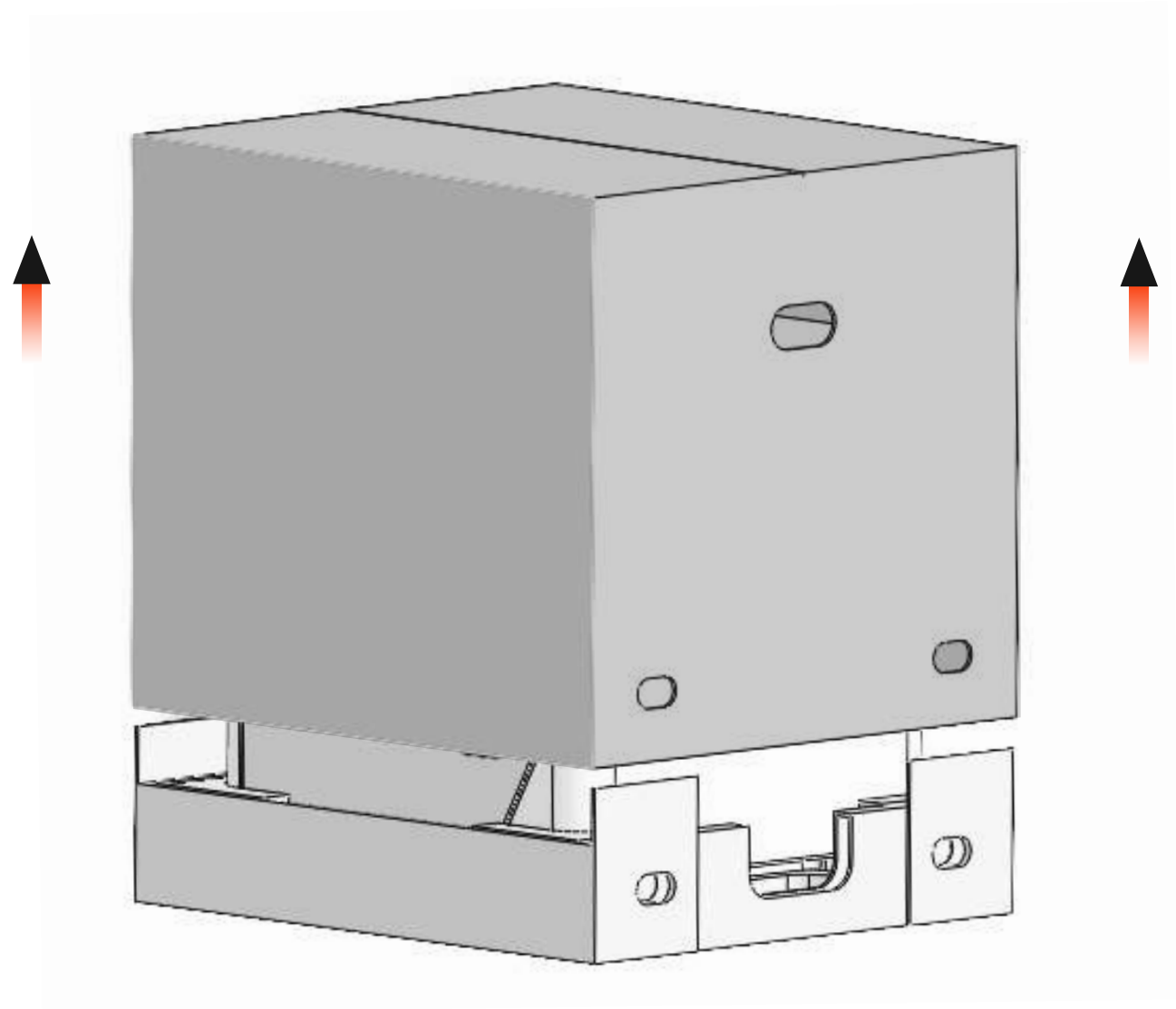
1. Choose an unpacking site: Pick a spacious, flat and well-lit table or workbench for the seeker3 machine. The machine will need to be stable for subsequent use, so the table needs to be stable and able to withstand the weight of the printer and the packaging.
2. Prepare unpacking tools: Prepare scissors, paper cutters, tweezers and other tools, as seeker3 machine packaging may be more compact, these tools can help us to remove the packaging more smoothly.
3. Packaging integrity check: After signing for the Aneso seeker3 3D printer, you should immediately conduct a comprehensive inspection of the shipping package, focusing on whether there are any abnormalities such as damage, deformation, and moisture in the box. In view of the precision technical characteristics and high value of this equipment, if you find that the packaging has the above problems, you should immediately contact the seller or logistics carrier, and properly retain images, photographs and other evidence, in order to avoid subsequent disputes over the responsibility caused by the transportation link.

3.1 UNPACKING AND DISASSEMBLY



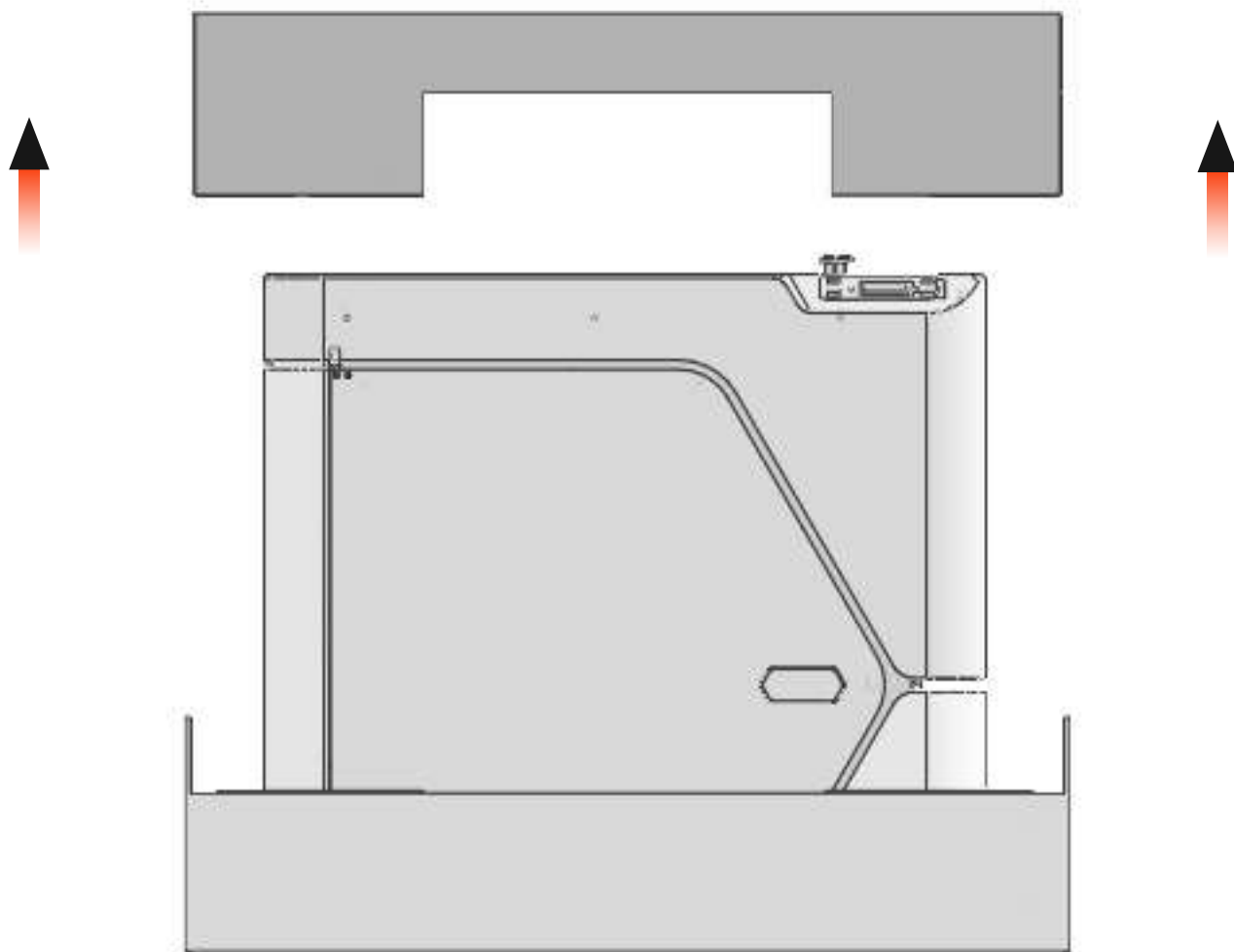
Dismantle the bottom fastener of the carton,
remove the rest of the fixing bag, etc.

3.1 UNPACKING AND DISASSEMBLY



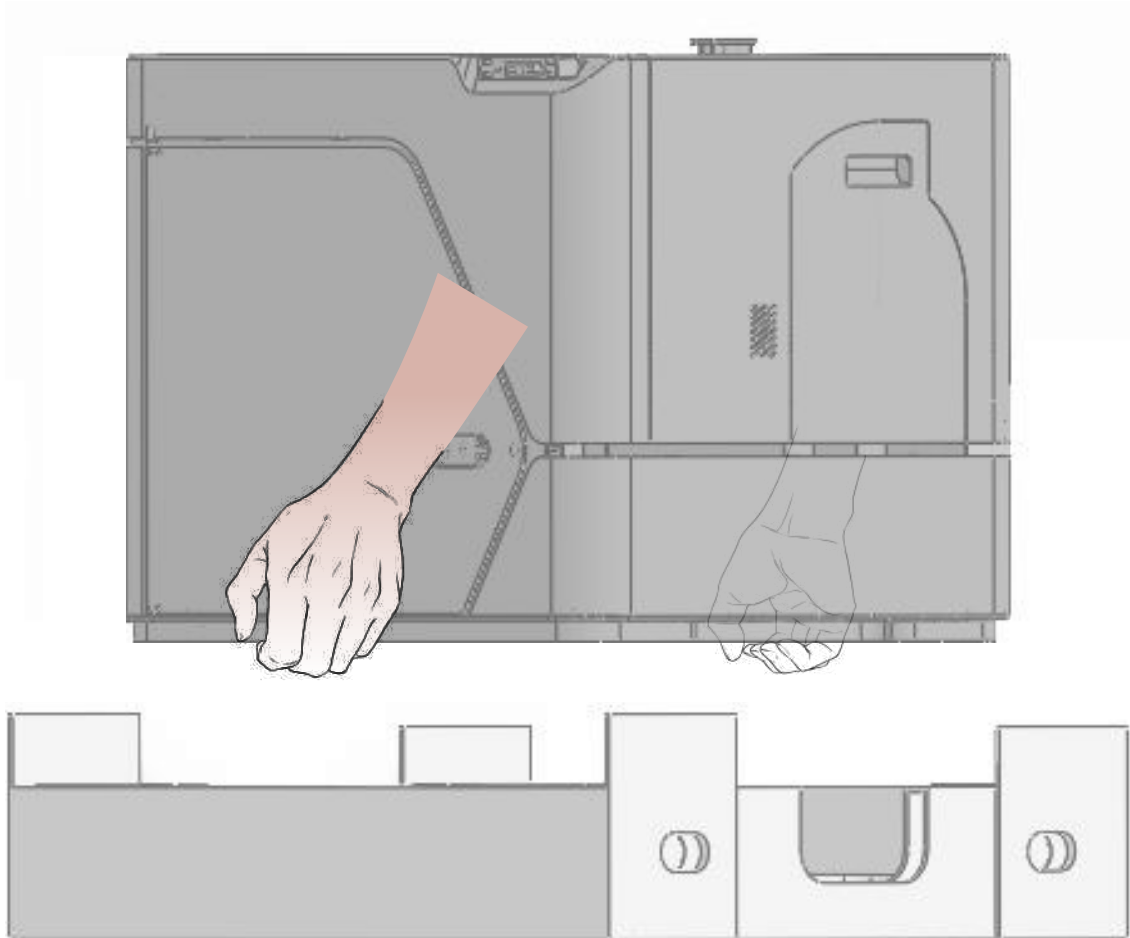
Remove cartons slowly from the bottom to the top
to prevent bumping the machine.

3.1 UNPACKING AND DISASSEMBLY



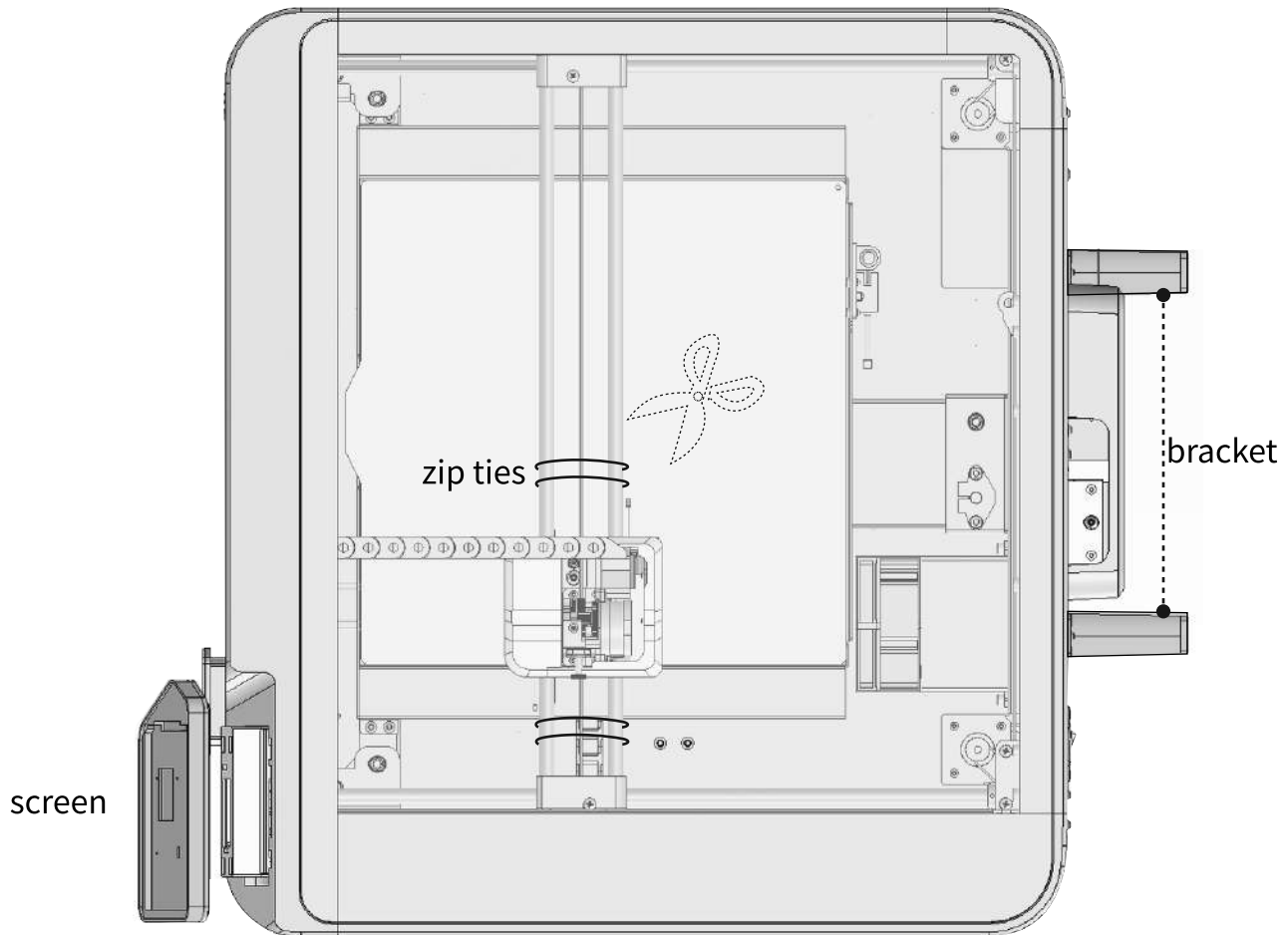
Remove the protective foam cover after securing the machine.

3.1 UNPACKING AND DISASSEMBLY



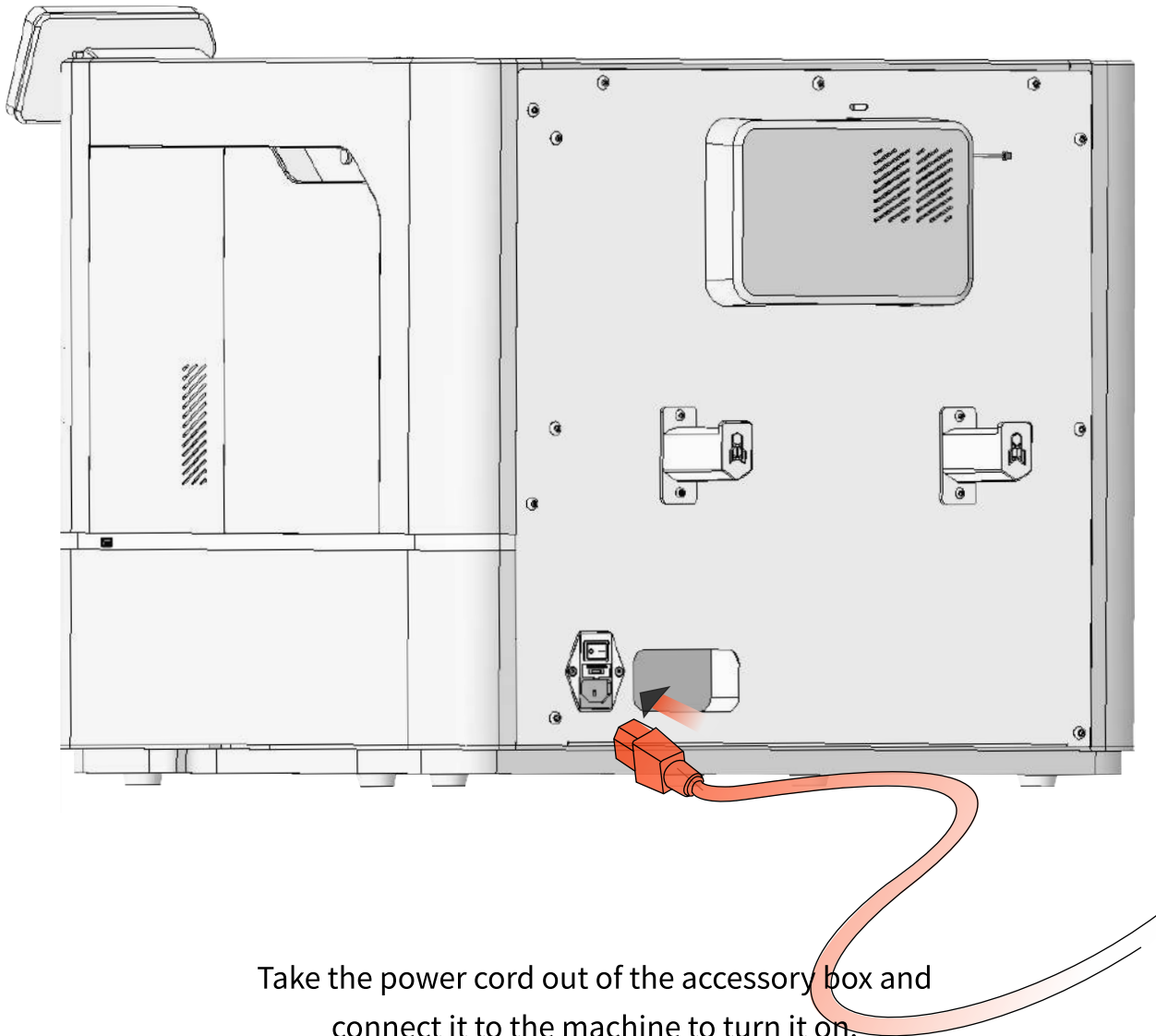
As shown in the figure, keep the bottom of the carton does not move, two people work together to lift out the printer, so that it is separated from the bottom of the carton, moisture-proof bag, and the printer on a stable plane.

3.2 INSTALLING THE SCREEN AND BRACKET



Remove the accessory box and remove the surrounding impact foam pads, stickers, etc., unbuckle the print head, and install the screen and material holder.

3.3 POWER ON



Take the power cord out of the accessory box and connect it to the machine to turn it on.

4.1 INTRODUCTION TO THE INTERFACE

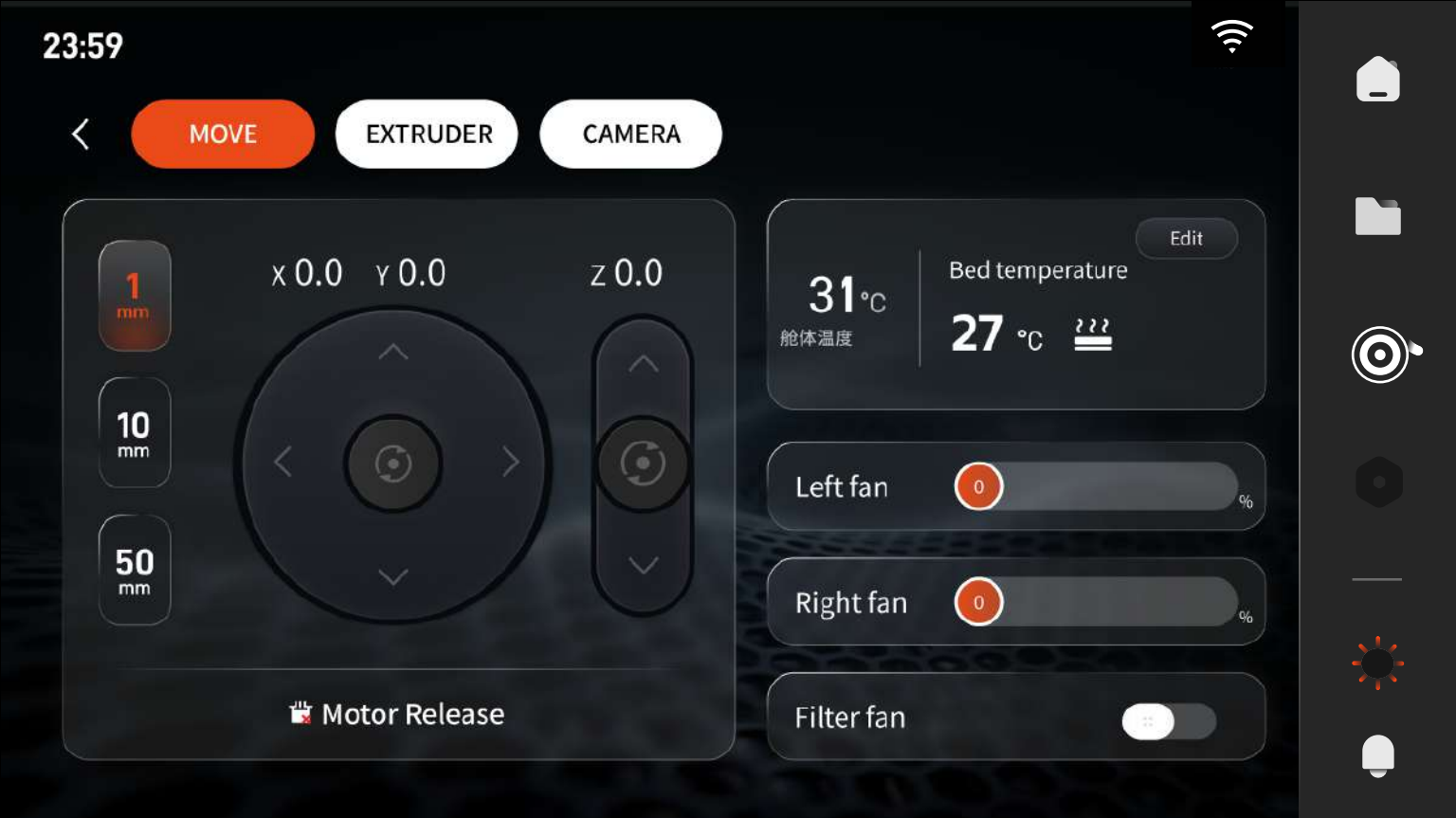
After switching on the Fibre Seeker3 printer, you will be able to view detailed information about your printing on the main screen.

Below is a brief description of the main elements on the screen.



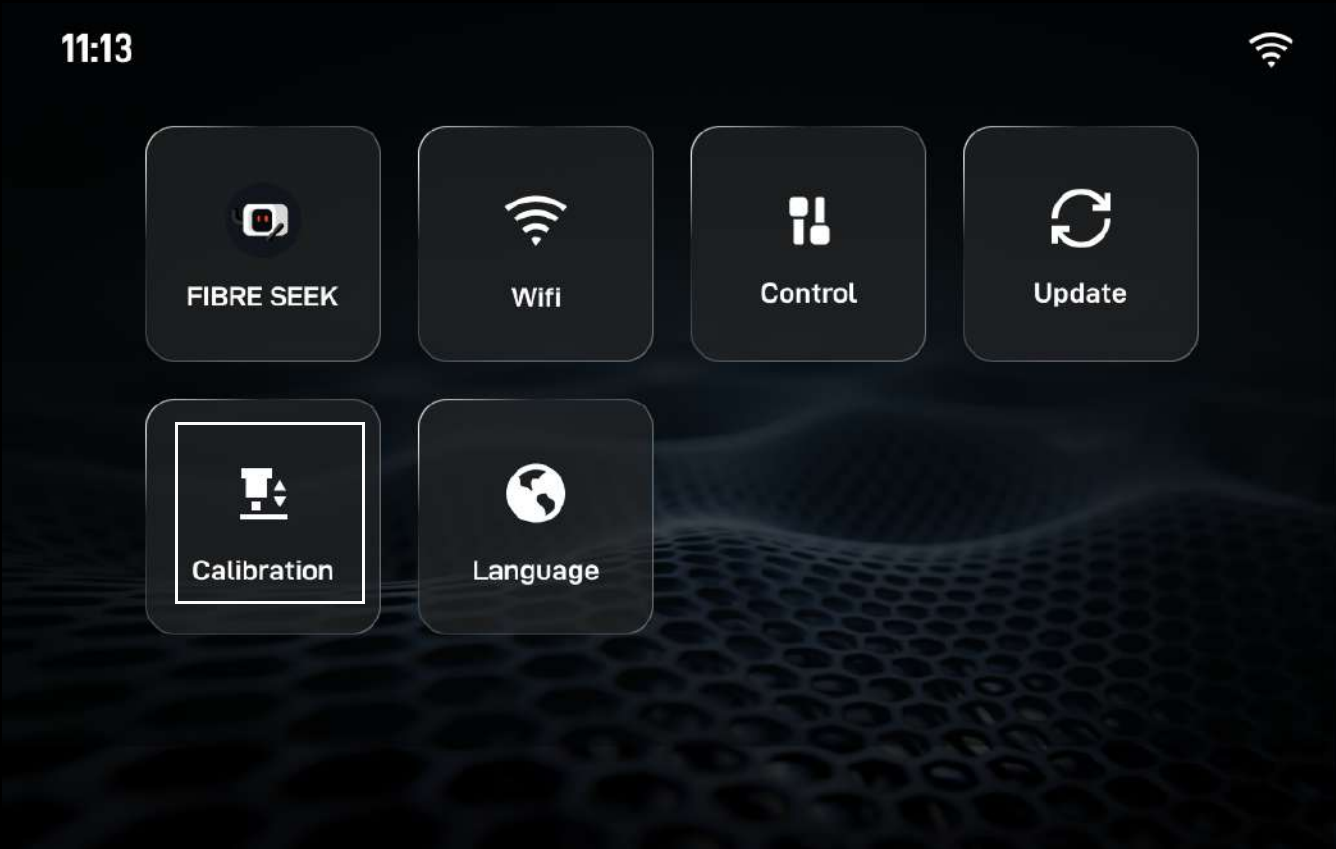
4.2 MOVEMENT

Clean the interior of the machine thoroughly, and then perform homing for both XY and Z axes.



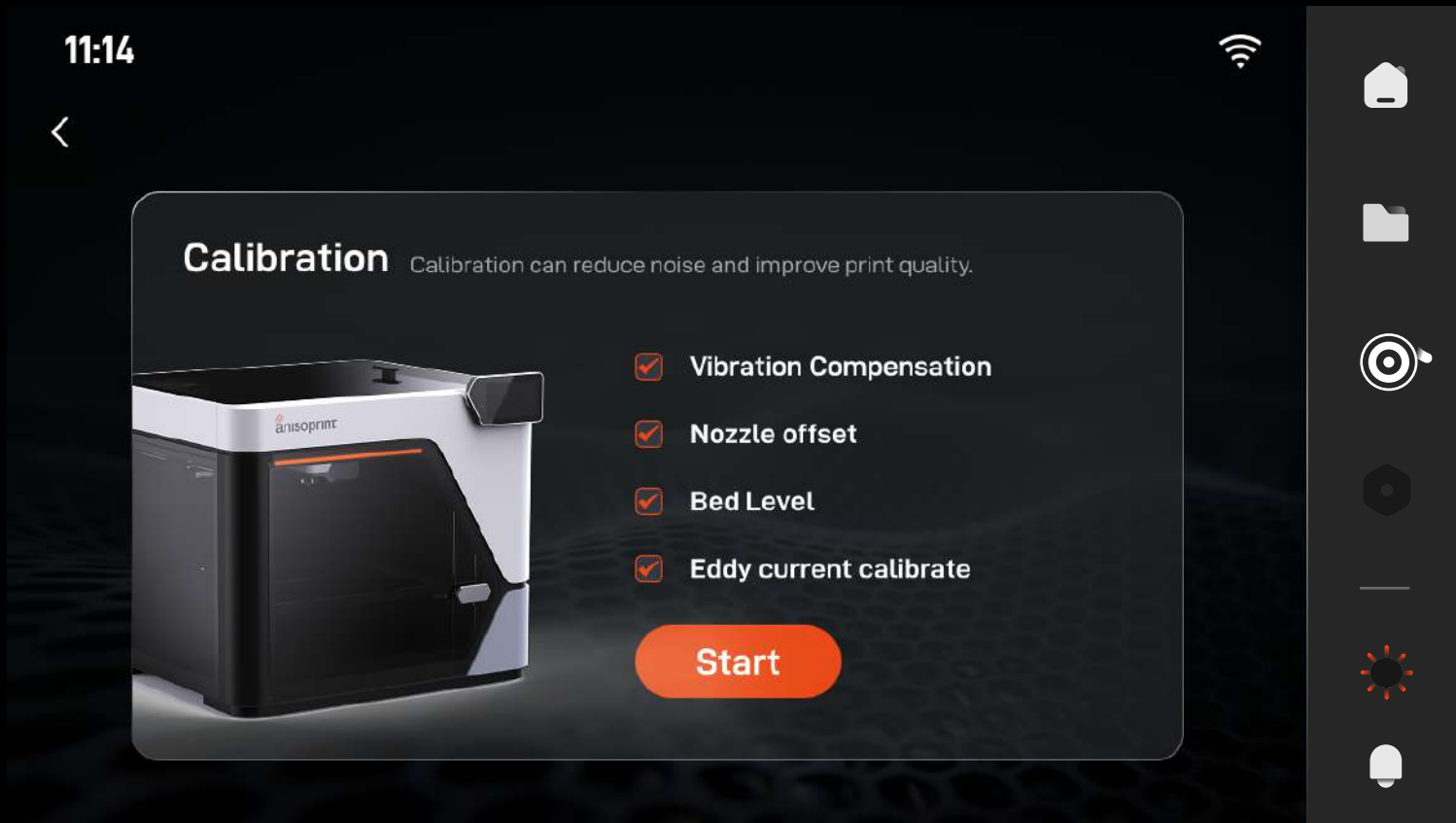
4.3 CALIBRATE MACHINRES

Enter the setup menu and select the calibration function.



4.3 CALIBRATE MACHINRES

Select the part to be calibrated and start.



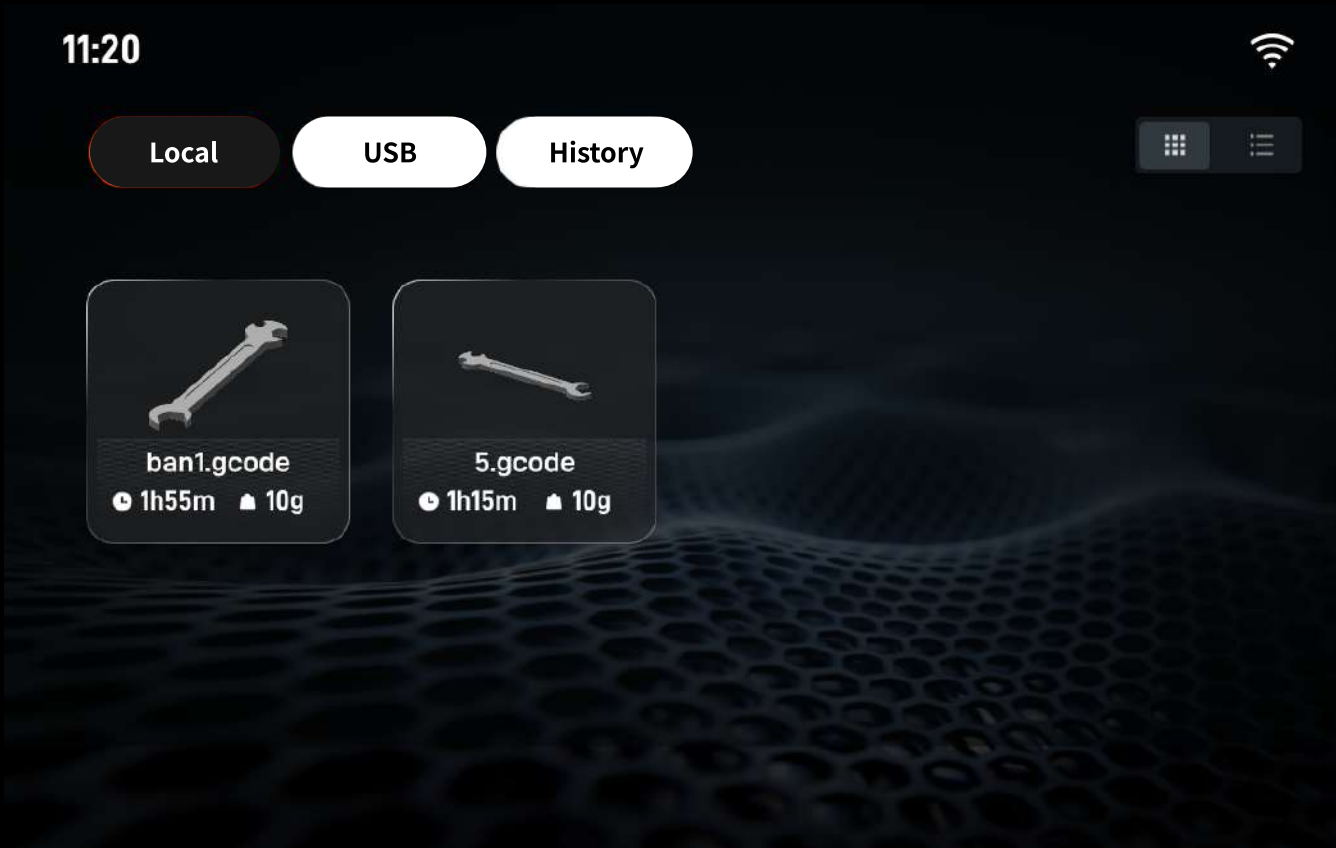
4.4 MATERIAL

This screen ensures efficient and safe handling of plastic filament, which is essential for preparing the printer before a print job or switching materials.



4.5 FIRST PRINTING

Select the desired built-in model for printing.



4.6 PRECAUTIONS AFTER PRINTING

Wait for the printhead and heat bed to cool to room temperature before removing the model to avoid burns or model deformation.

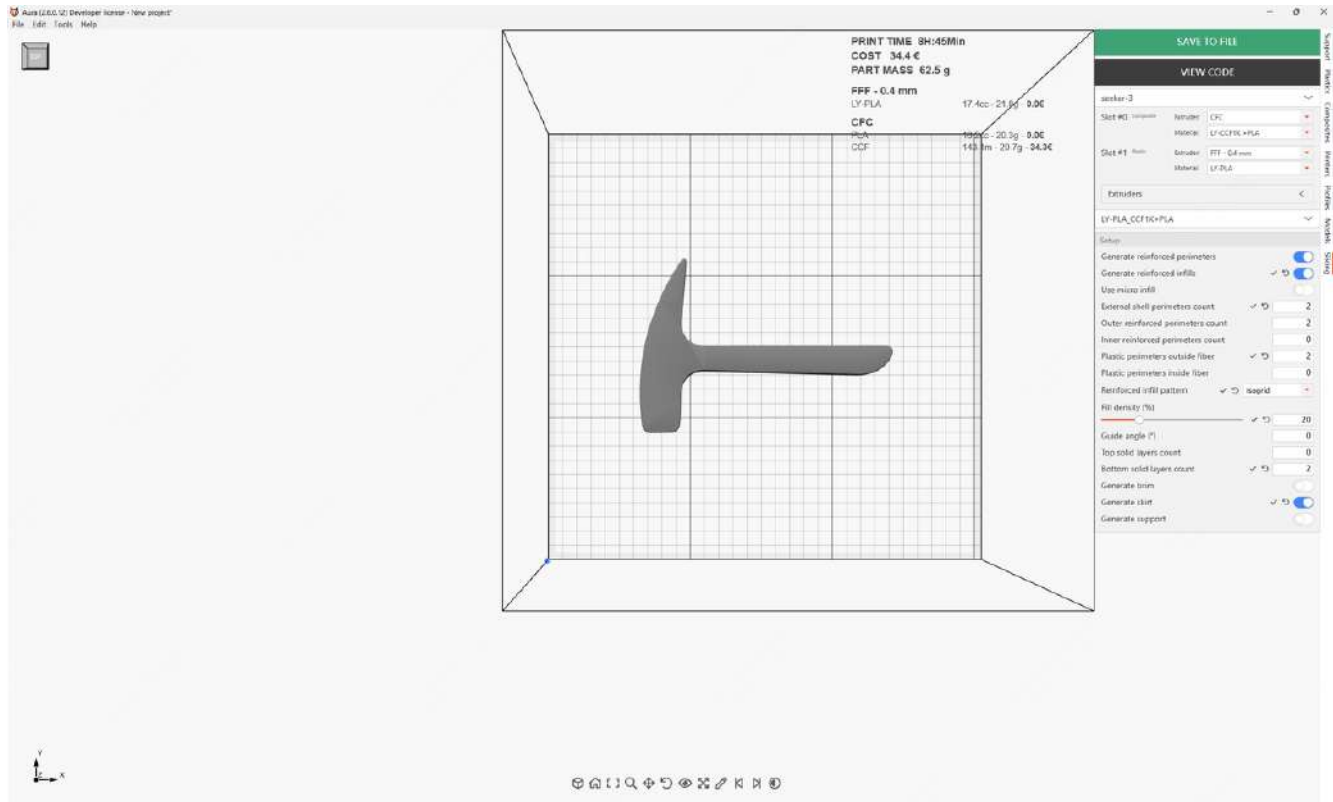
Be careful to protect the surface of the printing platform (PEI film) when removing the model using tools such as a spatula.

Remove residual waste and support structures to keep the equipment clean.

5.1 BASIC SLICING

Software Download

<https://support.anisoprint.com/aura/downloads/>



Import the model → modify the corresponding parameters in the slicing parameter settings → generate slices → save to file

6 MAINTENANCE

1. MOVING PARTS

Moving parts are the key to ensure the accuracy and stability of printing, and you need to focus on the guide rail, screw, drive belt and motor components. Regularly clean the dust and debris on the surface of the guide rail and screw, use special lubricants to keep the parts running smoothly and avoid the corrosion of plastic parts by ordinary machine oil; check the tension of the drive belt (pressing down 1-2cm is appropriate), and replace the aging or worn belt in time to prevent misalignment of the prints; fasten the screws of the motor and couplings to avoid the impact of vibration on the precision of the movement; calibrate the parallelism of the XY-axis and perpendicularity of the Z-axis through the print model to ensure that the mechanical structure is not shifted or jammed. axis parallelism and Z-axis perpendicularity through the print model, to ensure that the mechanical structure is not offset or jammed, from the hardware level to lay the foundation for high-quality printing.

2. WEAR PARTS

Because of high-frequency use or harsh working conditions (e.g. high temperature, high load), wearing parts need to be monitored, which directly affects the print quality and efficiency. Nozzle as a core component, need to clear the clogging through the cold drawing method or dismantling and cleaning, wear and tear or aperture becomes large when the timely replacement (recommended 200-300 hours); heated bed surface cleaning and protection of the coating on a regular basis to ensure that the consumables are well attached to the heating system when the temperature is abnormal to troubleshooting; heat dissipation and printing fan need to clean up the accumulation of dust and winding filament, noise or failure of the timely replacement (1-2 years cycle); consumables in the path of the feed gear, guide tube, etc., if there is any problem, the material is not suitable for use. Gear, guide tube, etc., if there is slippage, aging or dirt, need to clean or replace to ensure smooth delivery of consumables; hot end of the heating rod and sensors, if the temperature measurement is abnormal or the heating efficiency drops, need to be tested and replaced, to avoid temperature runaway.

6 MAINTENANCE

3. OTHER COMPONENTS

In addition to the core components, auxiliary system maintenance is crucial to the long-term stable operation of the equipment. Circuit part of the need to check the tightness of the wiring and oxidation, clean up the motherboard dust and static protection to prevent poor contact or component damage; power supply module to regularly clean up the cooling holes, test the stability of the output voltage, to avoid poor cooling or voltage fluctuations lead to failure; software level in a timely manner to update the firmware and slicing software, back up the calibration data in order to retain the optimal print parameters; the body structure needs to be fastened to the frame screws, to ensure that there is no shake or resonance, shell cleaning to avoid corrosive detergents; consumables storage needs to be sealed against moisture, the environment to maintain a dry and ventilated (humidity <10%), and regularly test the emergency stop button, limit switches and other safety features, to ensure that the equipment is reliable stop in case of emergency, to ensure that all-round protection of the printer's safety and performance.

4. MATERIAL CLOGGING

Material clogging in the nozzle

- ① Heat the nozzle: Turn on the seeker3 machine, set the nozzle temperature to the highest temperature corresponding to the printing consumables (e.g., PLA material is generally heated to 210 - 220°C, PA material is heated to 250 - 270°C) through the control panel, wait for the nozzle to reach the set temperature and stabilize for a period of time, so as to make the clogged consumables fully melted.
- ② Manual extrusion: Use the control function of the printer to perform manual extrusion operation and observe whether the consumables are smoothly extruded. If the extrusion is not smooth, you can try multiple extrusion operation, each time a small amount of supplies extrusion, the use of pressure to push out the blockage.
- ③ Assisted Unclogging: If manual extrusion does not work well, keep the nozzle at a high temperature, wear heat-resistant gloves, and use tweezers to gently clean the solidified consumables visible on the outside of the nozzle. Then use an unclogging needle inserted vertically from the top of the nozzle to gently test and unclog the blocked area, but pay attention to the strength to avoid damaging the inner wall of the nozzle.

Material blockage in the throat or heating block

- ① Consumables ejection: Perform the consumables ejection operation on the seeker3 machine to withdraw the print consumables from the extruder.
- ② Heating & Insertion: Heat the nozzle to the proper temperature (slightly higher than the normal printing temperature by 10 - 20°C), once the temperature has stabilized, quickly insert a new section of consumable from above the nozzle to a depth of about 5 - 10 cm and wait for 10 - 15 seconds to allow the new consumable to make full contact with and adhere to the clogged material.
- ③ Quickly pull out: Turn off the power of the machine, wait until the temperature of the nozzle decreases a little (it does not feel hot to touch with your hand but is still hot), then quickly and smoothly pull out the inserted consumable. At this time, the blockage may be brought out together. If one cold pull does not work well, repeat the above steps.

7.1 AFTER-SALES SERVICE CONTENT

I. Service Commitment

We always adhere to the concept of “customer first, attentive service” and provide comprehensive, high-quality after-sales service to every customer who purchases a Seeker3 printer. No matter what problems you encounter during the use of the printer, we will respond in a timely manner, provide professional solutions, and do our utmost to ensure that your printing work proceeds smoothly.

II. After-Sales Service Scope

This after-sales service applies to Seeker3 printers purchased through official channels, covering the printer main unit and original factory-supplied accessories.

III. Warranty Policy

1. Warranty Period

From the date of purchase, the printer main unit is covered by a 1-year free warranty (including labor and replacement of original factory parts) for performance failures caused by manufacturing defects or normal use. Original factory standard accessories (including nozzles, drive belts, etc.) are covered by a 6-month free warranty to ensure that users receive comprehensive after-sales support during the initial period of use. For non-human-caused defects within the warranty period, users may schedule free repair services through official after-sales channels, and we will respond within 48 hours and arrange for repairs.

2. Warranty Coverage

During the warranty period, if the product experiences quality issues not caused by human factors, we will provide free repair or replacement of parts.

3. Non-warranty situations

- ① Failures caused by improper human operation, drops, collisions, compression, or other physical damage.
- ② Issues arising from the use of non-original manufacturer consumables or accessories, or unauthorized modifications to the printer.
- ③ Damage caused by force majeure factors such as natural disasters or abnormal voltage.
- ④ Products beyond the warranty period.
- ⑤ Products with serial numbers that have been altered, deleted, or are unreadable.

7.2 CONTACT US

I. Online Consultation

You can consult us through our official website's online customer service, WeChat official account, and other platforms. Our customer service staff will respond within half a day to answer your questions.

II. Phone Consultation

Call our after-sales service hotline at 15151591449. Our working hours are [Monday to Friday, 9:00 AM to 6:00 PM]. Professional technical staff will provide you with one-on-one phone guidance.

III. Submit a Support Ticket

Submit your issue through the support menu in the software. Customer service representatives will respond within half a day to address your concerns.

Our support team will be glad to help with your issue. For a better response, please attach the project with the issue.

Please specify you e-mail

In case of hardware problems please add the serial number of your 3D printer

Ask your question or describe the bug

Attach project Send



