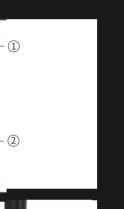
USER MANUAL



Step 2 Nozzle Installation





- ①Gantry (1set)
- ②Chassis (1set)
- **3M5×8 Hexagon Socket Button Head Screw**
- M5x50 Hexagon socket head screw

Step 1 Machine Installation

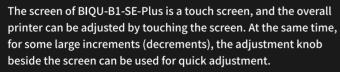
Align the holes on the sheet metal parts of the gantry with the threaded holes on the chassis, then install the gantry on the

extruder, and connect the nozzle cable.

①Hot end (1pcs)

③Nozzle cable

4Teflon tube





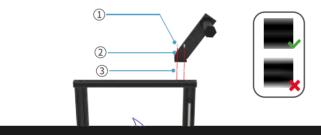
①Adjustment knob ② Reset button This interface is the main interface of the system, which contains six functional modules: nozzle module, hot bed module, fan module, extrusion module, menu bar and printing module.



Step 3 Rack Installation



CONTENTS



①M4×8 hexagon socket head screws (2 pcs) ②Rack (1 piece)

3M4 ship nut (2 pcs)

The ship nut will rotate during installation; fix it on the aluminum profile with screws.

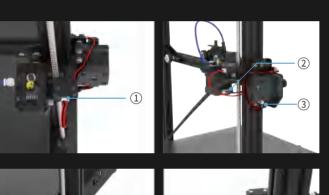
Step 4 Line connection

BIQU-B1-SE-PLUS(1pcs)

SD Card&Card Reader

(1pcs)

Power Cable(1pcs)



Rack (1pcs)

Data cable (1pcs)

PACKING LIST

Chassis (1set)

Screw&tool (1pcs)

Nozzle(1pcs)

Filament(50g)

①Connecting wire of filament detection module → 3P terminal with "FLD" label

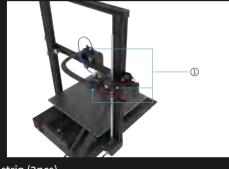
②Extrusion motor cable → 6P terminal with "E" label ③X-axis motor connection line → 6P terminal with "X" label

4 Z-axis motor connection line → 6P terminal with "Z" label

⑤ X axis limit switch line → 3P terminal with "X" label As shown in the pictures above, install the terminal to the

corresponding position in the figure.

Step 5 Fixe data cable and glass plate



PARAMETER

FDM

24V

100°C

260°C

120mm/s

60mm/s Support

Yes

Win 7 / Win 10

1 PCS

BIQU-B1 SE-Plus 310x310x340mm

0.1mm - 0.3mm

Standard 0.4mm

STL / OBJ/ AMF

Online / TF card / USB

PLA/PETG/TPU/TPE/ABS/Nylon

Cura / Repetier-Host / Simplify 3D 100 - 120V / 200 - 240V 50 / 60 HZ

Model

Nozzle Quantity

Layer Thickness

Nozzle Diameter

Printing Accuracy

Slicing Format Connecting Method

Rated Voltage

Output Voltage

OS compatible

Rated Power

Slicing Compatible

Max Temp of Hot Bed

Max Temp of Nozzle

Max operating speed

Max Printing Speed Normal Printing Speed

Language Transform Resume Printing

Filament Detection

①Rolled strip (3pcs)

As shown in the pictures above, there are key grooves on the sheet metal parts, and the nozzle line group can be fixed on the sheet metal parts with a rolling band. Before fixing the print head data line, reserve a certain length of the print head line group close to the end of the print head to facilitate the movement of the print head.



II Screen instructions

printer can be adjusted by touching the screen. At the same time,

Align the threaded hole of the nozzle with the threaded hole on the

screws, then insert the Teflon tube into the quick connector of the

sheet metal part, fix the nozzle with the sheet metal part with M3 \times 6

②M3×6 Hexagon socket button head screws (3 pcs)



1. Heating module

The heating/cooling function of the nozzle or hot bed can be realized by adjusting the knob or touching the screen "+"/"-". Incremental unit:1°C,5°C,10°C。



2, Fan and extrusion rate adjustment module

The function of adjusting the fan speed of the nozzle can be realized by adjusting the knob or touching the screen "+"/"-". Incremental unit:1%,50%。



The function of adjusting the extrusion rate of the nozzle can be realized by touching the screen "+"/"-". Incremental unit:1%,5%,10%。

3、Menu column

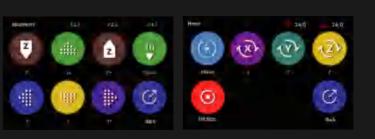
The menu column can perform specified operations on the machine.



3.1. Move and return to origin

This module controls the position of the print head of the printer, including returning to the origin dinates and moving to the X, Y, and Z directions

Can be moved in X, Y, Z direction by jog, Move increment: 0.1mm.



3.2. Squeeze out

This function can realize the return/feed of filaments by adjusting the knob or touching the screen.

Incremental unit:1mm,5mm,10mm



3.3 emergency stop

It can make emergency stop when the nozzle position is moving, extrusion, etc. are in progress.

3.4、Setting

This module contains screen settings, machine settings, and f actory reset.





Step 6 Power on







①Machine power switch ②Power cord socket

Confirm whether the wiring terminals are firm and the wiring is correct, plug one end of the power cord into the power cord socket and the other end into the household power supply, and turn on the machine power switch.

1) Screen settings

Language, rotating screen, bell, touch screen calibration, etc. can be edited through this module.



2) Machine settings

It can set the machine's light color, consumables detection, power outage and resuming, etc.



2. Automatic Leveling

Select on the homepage of the touch screen. ① "Menu" → ② "Leveling" → ③ "Auto Leveling". After clicking the automatic leveling, the following interface will appear for preheating.

Clean the nozzle with tweezers before automatic leveling



After the preheating is completed, the 3D printer starts to level automatically, and the head starts to descend until the nozzle touches the first point of the platform, the nozzle starts to rise, and then moves to the top of the second point, the nozzle starts to descend, and repeats the operation, Until the 6×6 points on the platform are tested



(2) Put the TF card with the G-code file in the card slot shown in the figure.



(3) Connect the power cord, turn on the machine, select "Print" on the touch screen homepage, and then select the slice file just saved in the TF card.

The printer nozzle and hot bed begin to preheat. When preheated to the preset temperature, the machine will automatically reset to zero and then start printing.

After printing, the print head and hot bed will automatically cool down. When the nozzle and hot bed reach room temperature. The model can be removed.



3.5, Leveling

This module can perform leveling operations on the print heads. Just click the "auto leveling" icon on the screen to perform automatic leveling operations. When the height of the automatically leveled print heads is not suitable, you can click Z-fine adjustment for fine-tuning.



3.6. One-key preheating

This module can set pre-heating for some consumables before



After the automatic leveling is completed, you can click "Z-fine adjustment" in the operation interface of the previous step, and the printer will start printing. The customer can evaluate the leveling effect of the platform according to the printing effect for the next optimization.



3, Offline printing

Add a new printer device in the slicing software





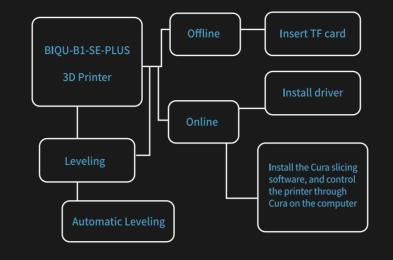


III, Print instructions

BIQU-B1-SE-Plus 3D printer has two working modes, namely offline printing and online printing.

Offline printing: After the printer is leveled, the slicing file generated by the slicing software is saved in the TF card, then insert the TF card into the TF card slot of the base, click "print" from the main interface, and then select the file in the TF card to print.

Online printing: The computer is connected to the 3D printer through the data cable, and the printer is controlled by the slicing software (such as Ultimaker Cura). But the connection printing signal is transmitted by the computer through the data cable, which is prone to unstable factors such as signal interference. Therefore, it is recommended that customers use offline printing as much as possible.



Set parameters of the printer

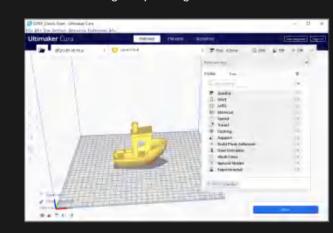




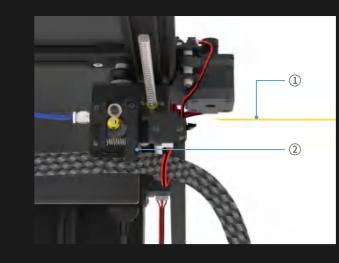


Parameter settings of printing

Import the file of printing model



1. Filament installation

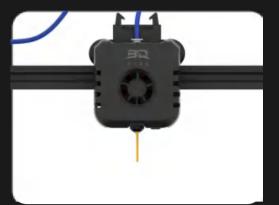


①3D printing filament ②Extruder handle

Use diagonal pliers to cut a section of the filament into a bevel, press the handle of the extruder, and push the 3D printing consumable into the extruder into the barrel at the same time Note: Check whether the screws on the machine are installed c orrectly, and make sure that the screws on the machine are stable and not loose.

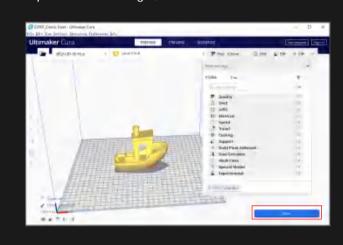
Fully insert filament to the heat break, The nozzle is heated to 180~200°C to extrude Ensure that the extrusion is normal. The installation is complete.



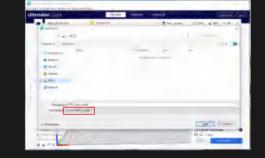


Machine installation is complete

After parameter settings , click "slice"



After the slicing software finishes slicing the model, you can start 3D printing the model. First save the G-code file after the model slice processing to the TF card, and then use the SD card for offline printing.



4.Online printing

(1) The computer is connected to the 3D printer through a data shown in the figure below, and the other end is inserted into the USB port of the computer.



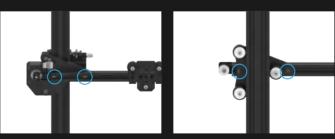
(2) Open the slicing software, and drag the stl format model into the slicing software window to slice the model.



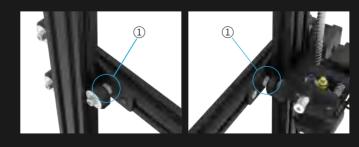
After slicing is complete, click "Print via USB" to start online printing.



IV



Loose the bolts fixing the X axis



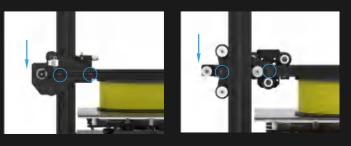
①Spacer

Adjust the spacers of the X-axis slide kit with the Allen wrench. Fully tighten the spacer by rotating in the direction of the profile.

How to judge if the fine-tuning is finished?

- 1. There is no obvious loosening of the slide kit. 2. The slide kit is secured, without falling off.
- 3. The POM is fully tightened.
- 4. The angle between the V-shaped groove and the profile is 0°<0<5'

Put an object with a flat surface on glass plate, pull down the X-axis slide kit so that the X-axis profile presses on the object, and then tighten the screws fixing the X-axis profile to ensure the X-axis profile parallel with the glass plate.



How to judge if the fine-tuning is finished?

1. Move the X-axis up and down, no looseness or tilt on one side. 2. Press the X-axis module on the object, the object moves in the horizontal direction, no obvious loose or tight change.

- 3. POM wheel is fully tightened