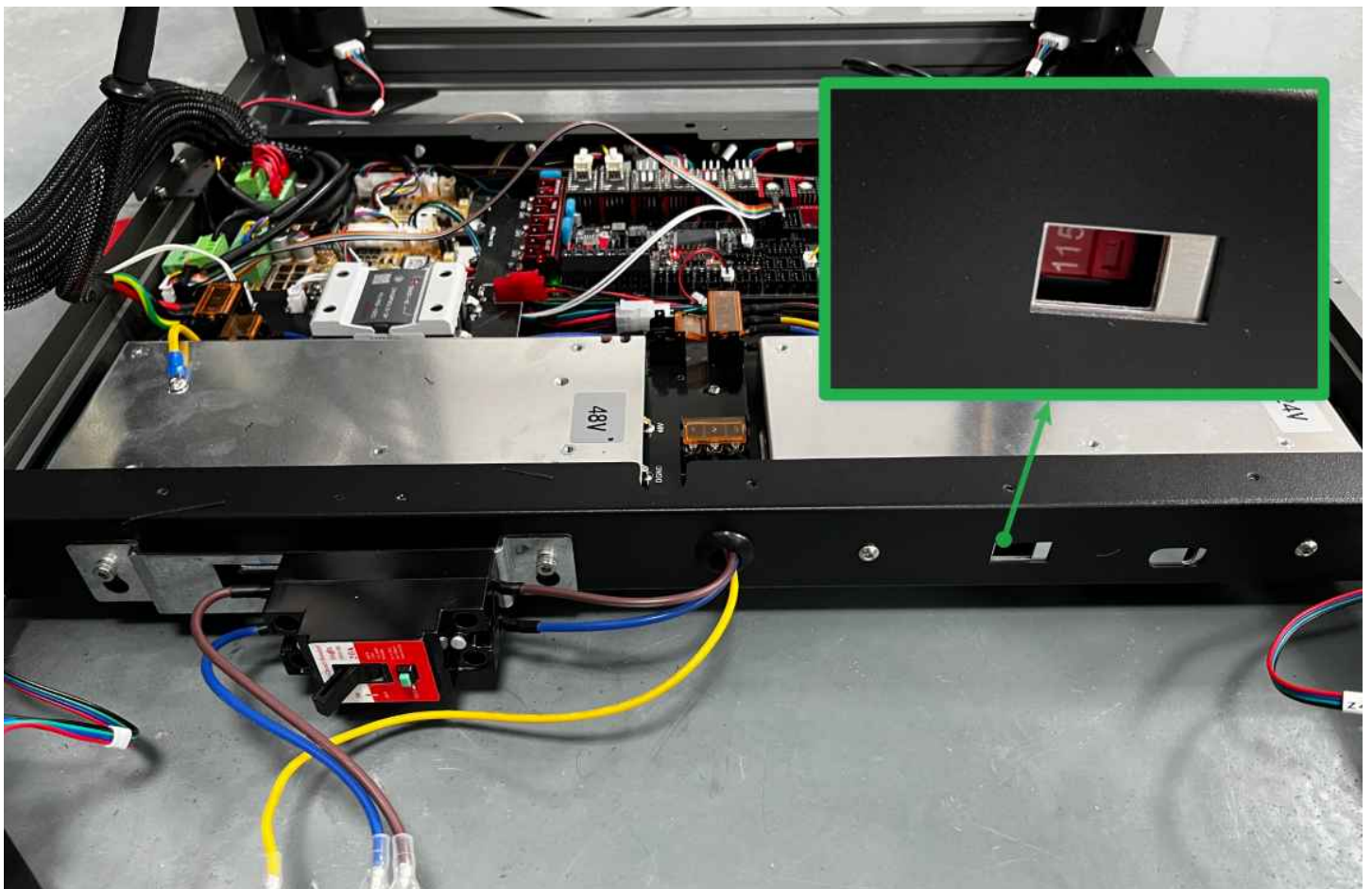


# MagnetoX 24V power supply troubleshooting steps

## 1. Check if the 24V switching power supply is up to 110V

Please check whether the 24V power supply at the following location is set to a voltage of 110~115V (115).

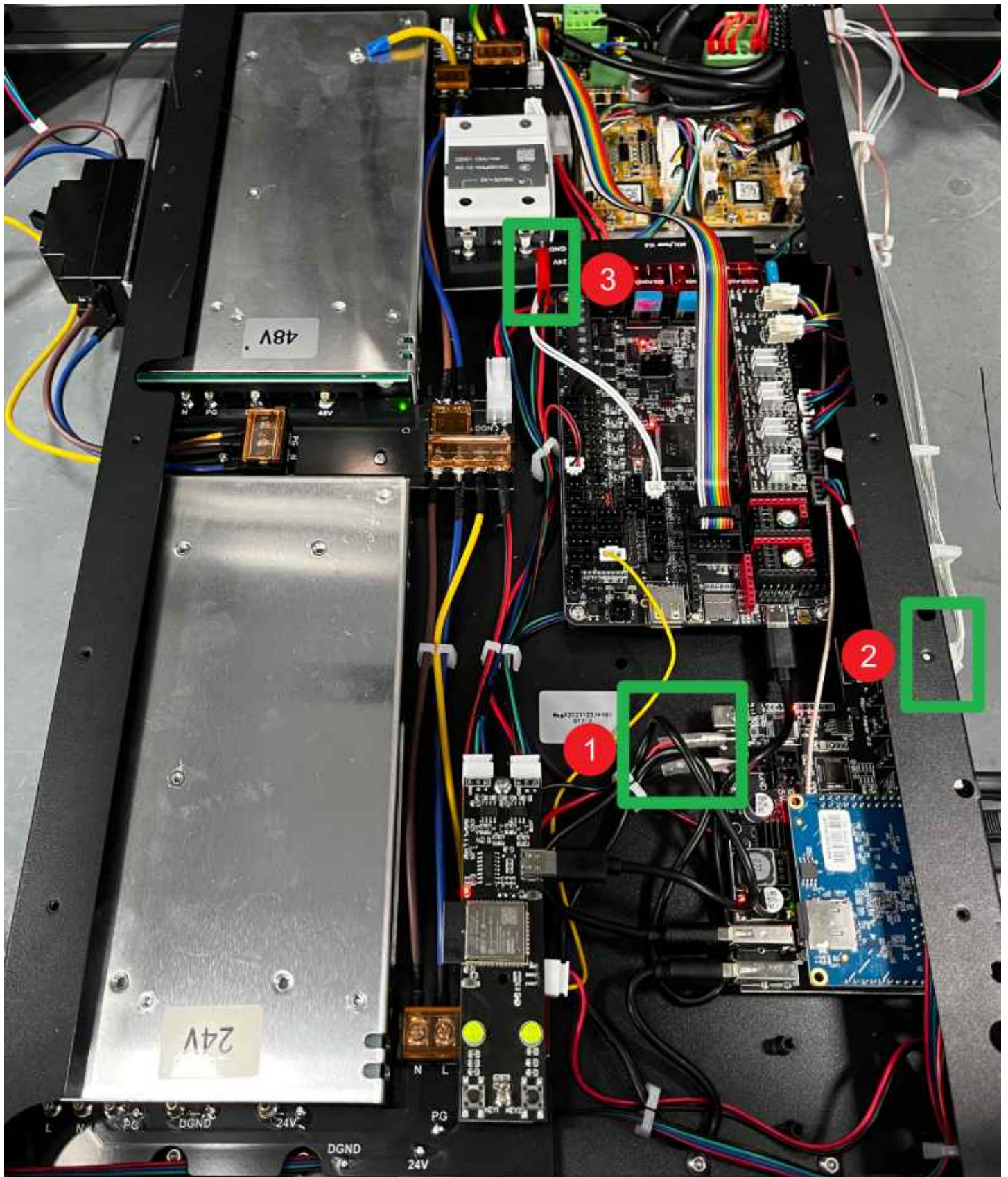


## 2. Check 24V switching power supply current

### 2.1 Disconnect the printer power

The Prime Minister disconnected the printer from the main power supply.

Then unplug all the plugs marked in the following picture:



In the above figure, the numbers correspond to 24V power supply.



1. 24V for linux boards and linux expansion boards
2. 24V for toolhead main board
3. 24V for MCU main board (Octopus)

## 2.2 Measure whether the switching power supply can work

After disconnecting all the power supply interfaces above, repower the printer.

Then measure whether the switching power supply has a 24V output, as shown in the following figure.



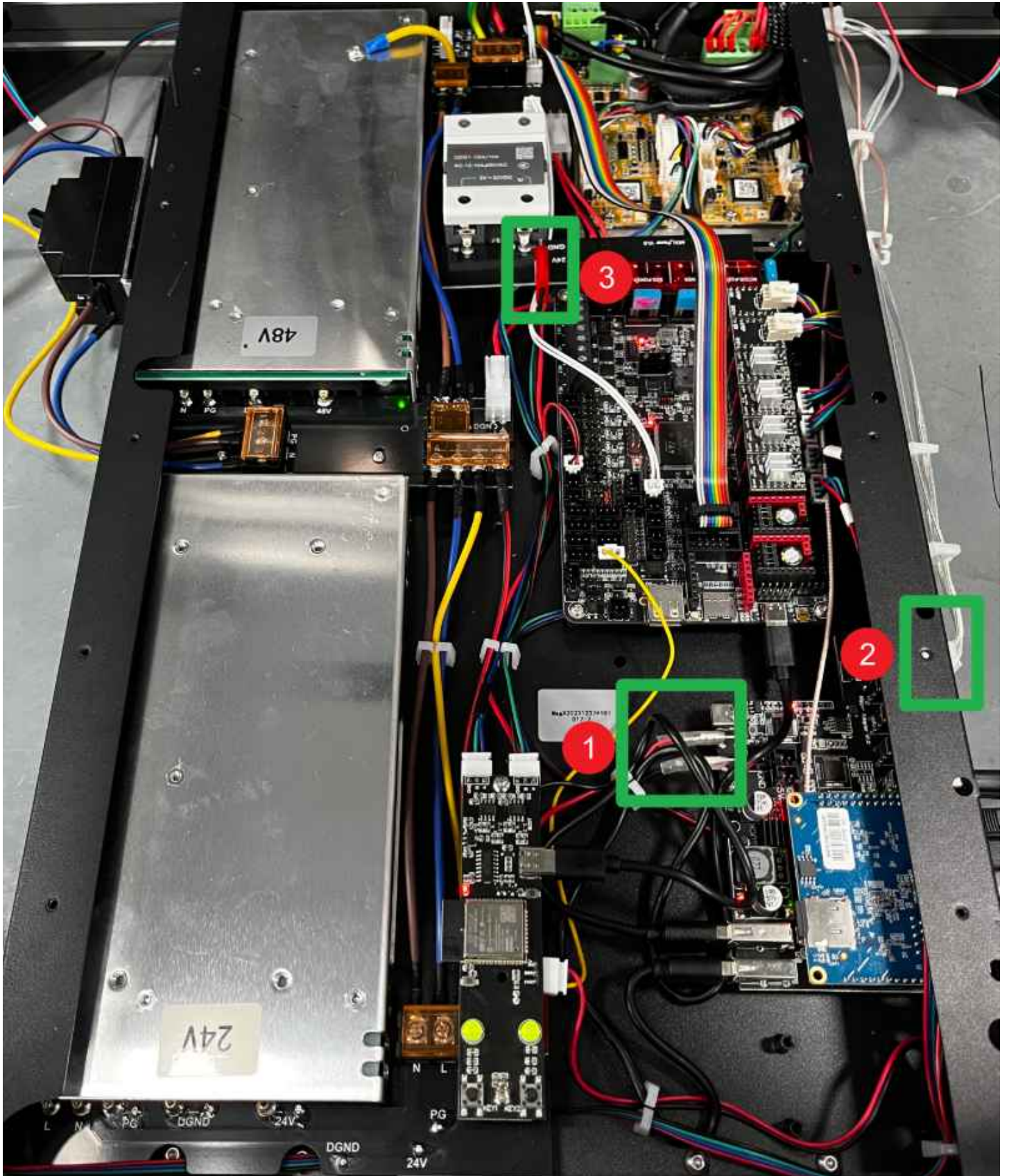
If this step shows that the voltage is normal, proceed to the next step.

## 2.3 test linux main board power supply system

If the result of the previous test is that the switching power supply can output 24V, then proceed with the following check operation.

First, disconnect the printer's main power supply.

Then plug in the plug at position 1 as shown in the figure below.



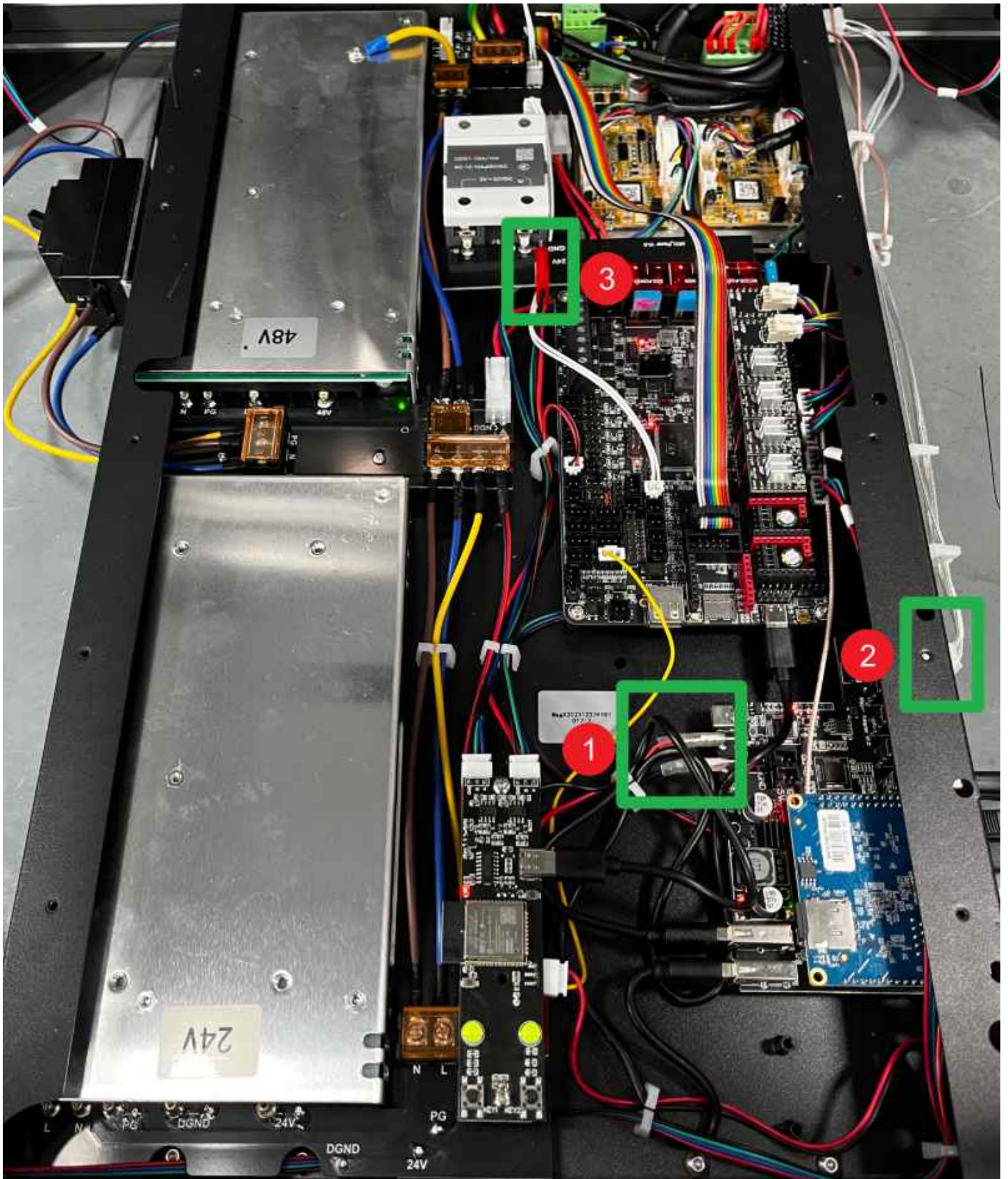
After plugging it in, turn on the power switch of the printer and observe whether the LED lights up on the Linux main board (please take a photo). If this step is normal, the touch screen will also output log information.

## **2.4 test toolhead main board power supply**

Disconnect the printer power supply.

Then reconnect the plug in position 2.





Repower the printer and observe if the toolhead main board LED on the extrusion head is lit (please take a photo).

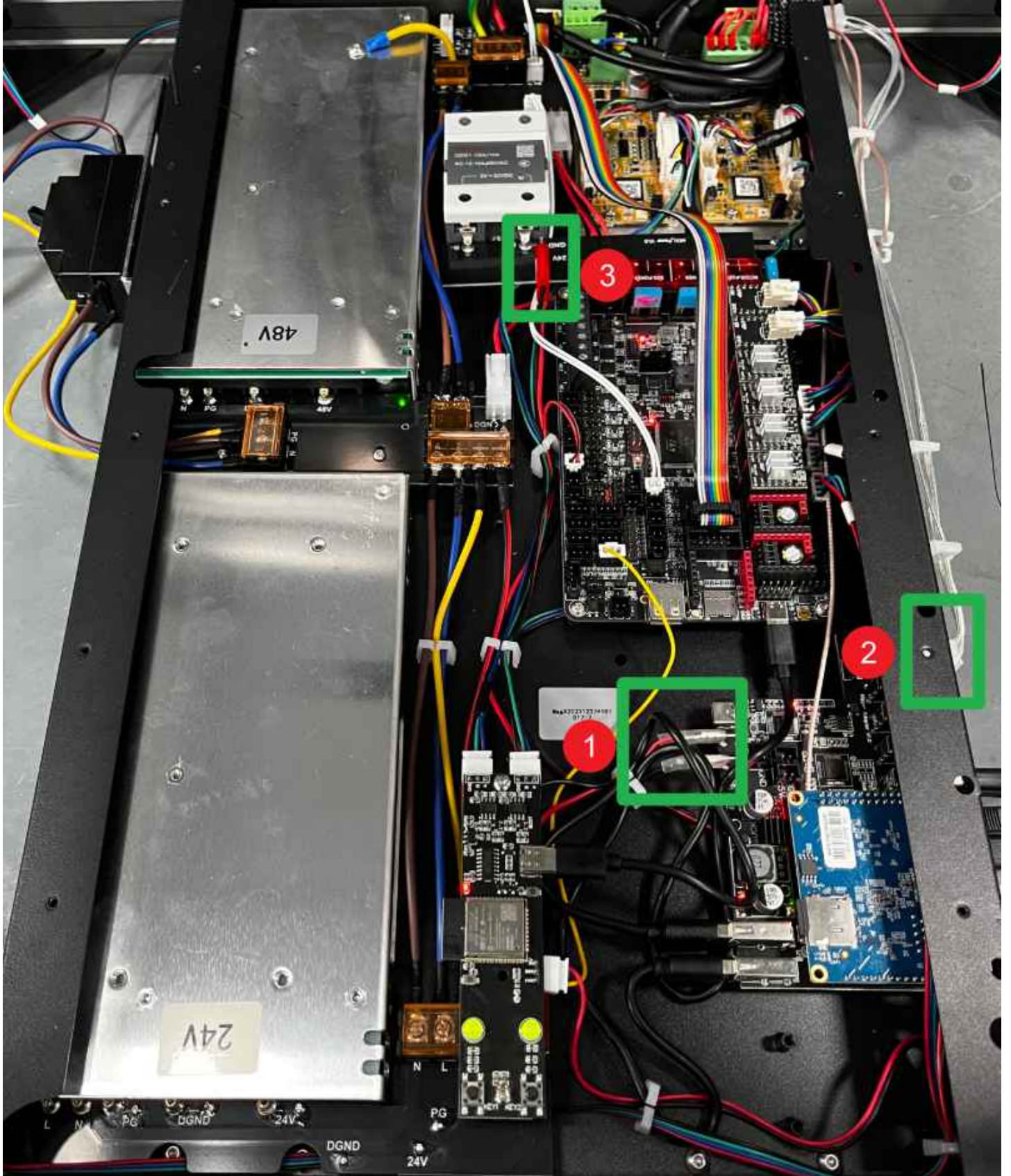
## 2.5 Check the Octopus power supply line

Disconnect the printer power.



Pull the plug in position 1 2.

Connect the plug in position 3.



Repower the printer and check the status of the LED status light on the Octopus main board (please take a photo).

