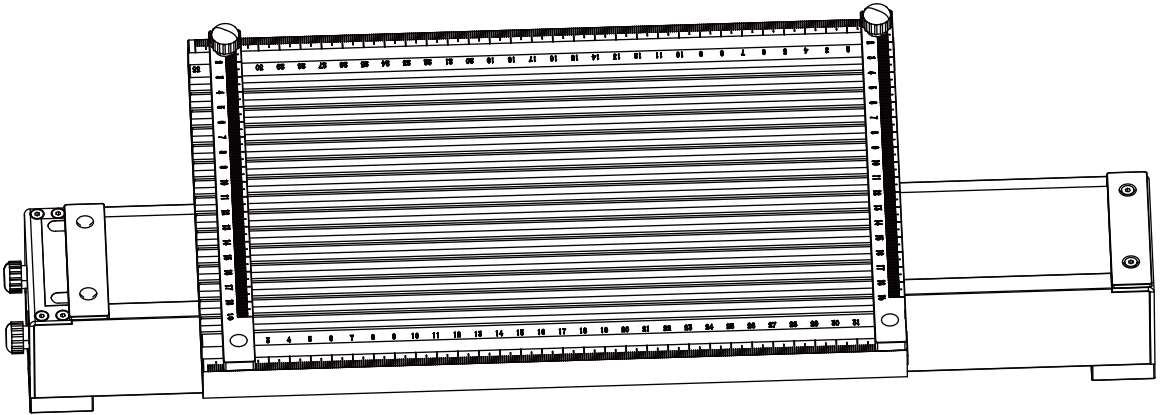


LONGER

Slide Extension Quick Start Guide V2.0



Shenzhen Longer Technology Co., Ltd.

Product Specification

Size	450*220*90mm
Weight	3.6kg
Moving Distance	300mm
Appearance	Anodic oxidation of aluminum alloy
Preview Speed	1000mm/min
Engraving Speed	1000mm/min
Connection Method	Type-C Connection
Type-C Input	5V-1A

After-sales service

Technical service for this product is available globally. Please contact us if you have any problem and we will get back to you as soon as possible.

Shenzhen Longer Technology CO., Ltd.

Add: FL 10, Building 2B, Intelligent Park, 76 BaoHe Ave, Longgang, Shenzhen, China

Service Hotline: (+1) 888-575-9099

Mon-Fri: 9:00am-6:00pm (EST, UTC-5)

Sun-Thu: 8:30pm-7:00am (EST, UTC-5)

Email: support@longer.net

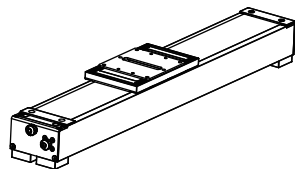
Facebook ID: Longer Official

Facebook Group: Longer Nano Official Group

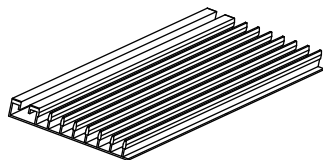
Youtube Channel: Longer Official



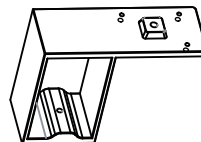
Product Installation



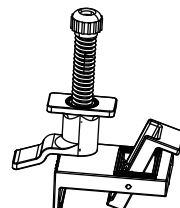
Y-axis module*1



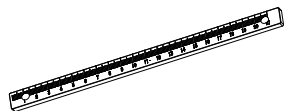
Slide plate*2



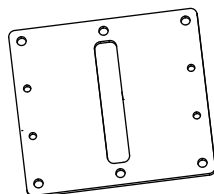
Riser part*1



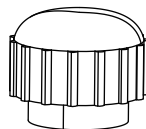
Material clip*3



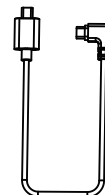
Slide ruler*2



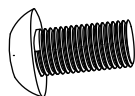
Skateboard fixing plate*1



M6 knob nut *4



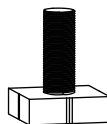
Type-C cable*1



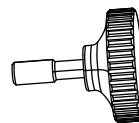
M4*8 round head *10



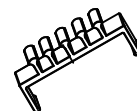
Allen wrench*2



M6*16 *4

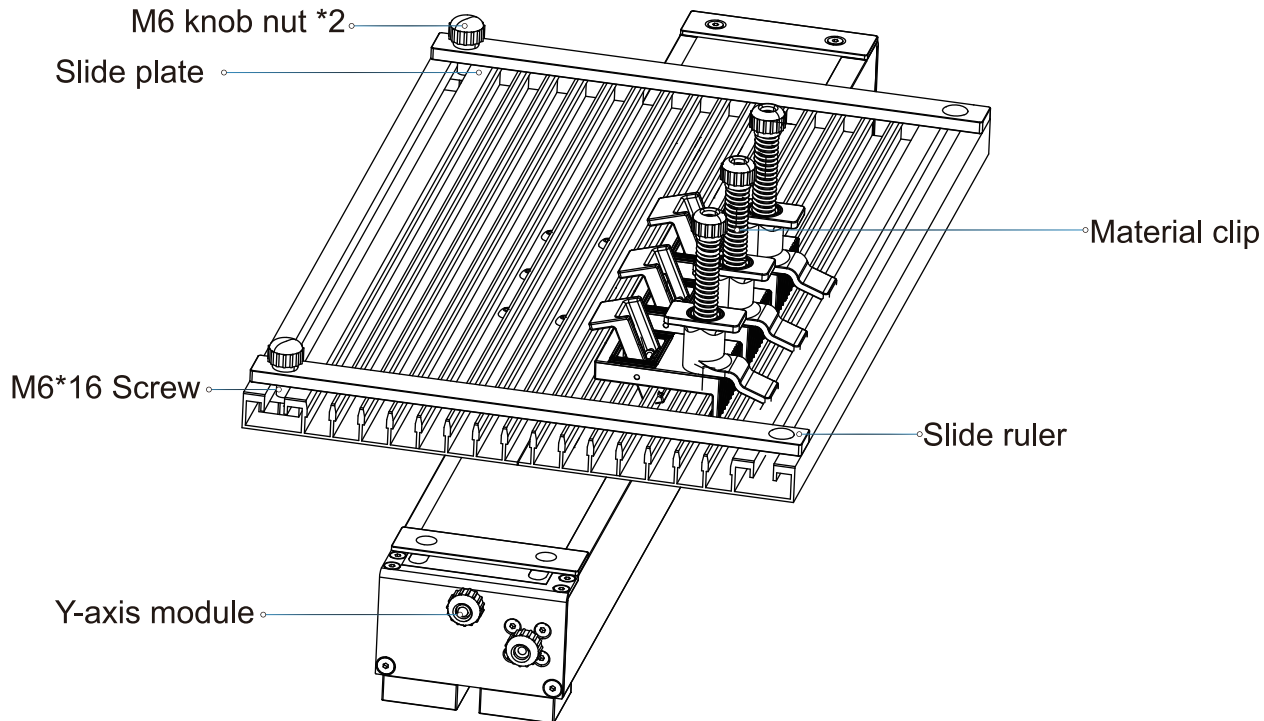


Angle adjusting knob*1



Cable clip*1

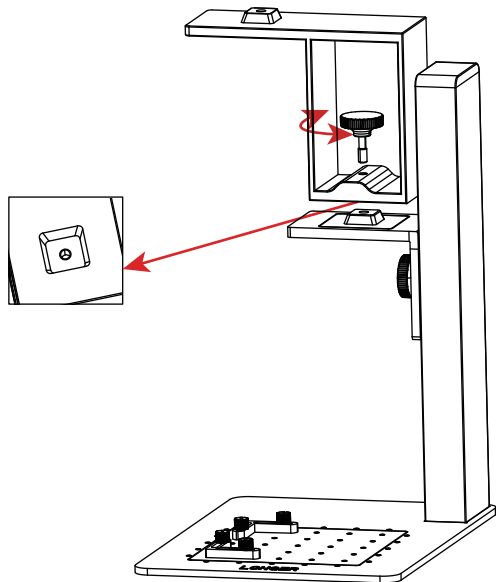
Product Installation



Product Installation

1 Install the riser part and laser unit

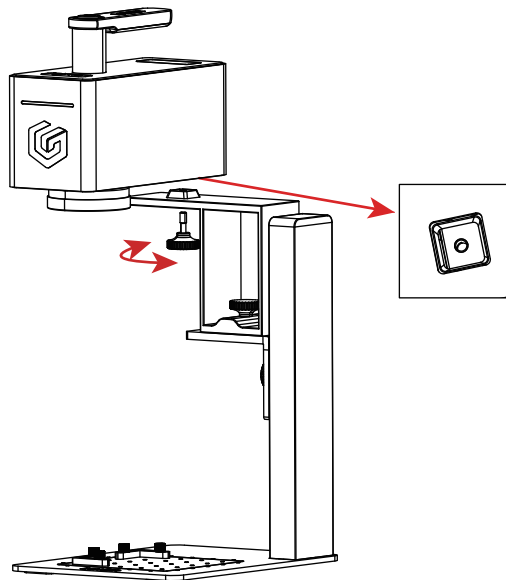
1) Fix the riser part on the electric lifting bracket



- ▶ Align the riser part grooves with the mounting bracket, and tighten the angle adjustment knob clockwise to fix the riser part.

Note: If the laser unit is slightly tilted, you can level it by adjusting the 3 set screws at the bottom of the riser part with a wrench.

2) Fix the laser unit on the riser part



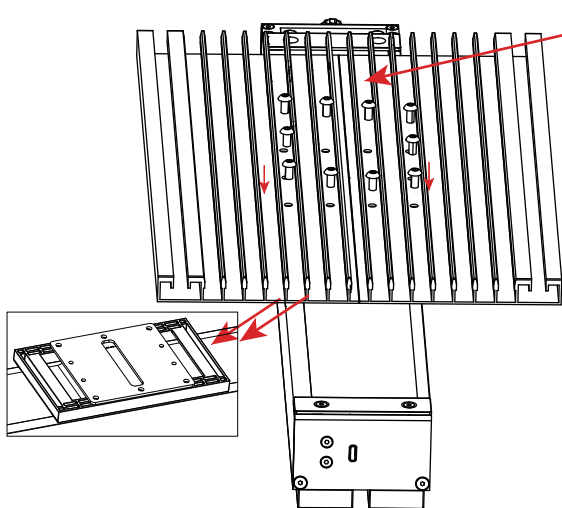
- ▶ Align the laser unit grooves with the riser part, and tighten the angle adjustment knob clockwise to fix the laser unit.

Product Installation

2 Install the slide and ruler

1) Install skateboard fixing plate

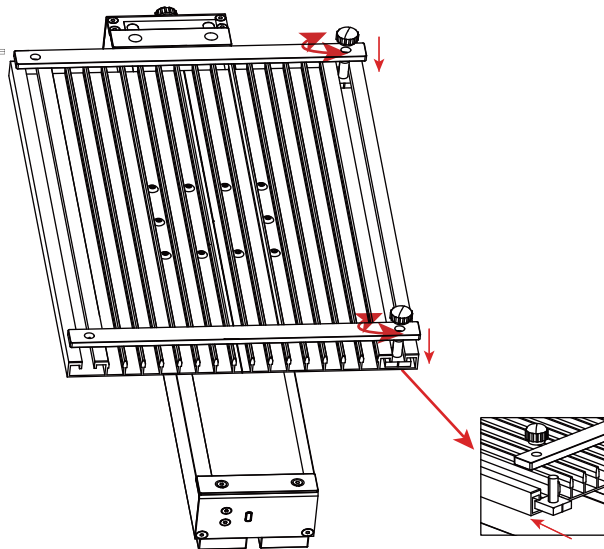
- ▶ First place skateboard fixing plate on Y-axis module and align the holes.



- ▶ Second put the slide plate on the skateboard fixing plate and use allen wrench to fix it with M4X8 screws.

2) Install slide ruler

- ▶ Note: First put the M6*16 screw into the slot.

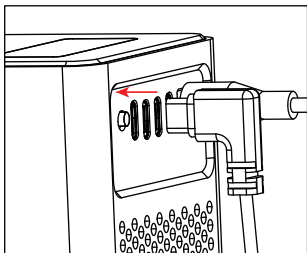


- ▶ Seond tighten the two M6 konb nuts to fix the ruler. The edge of the ruler should be aligned with the edge of the slide plate to ensure Y-axis has 300mm.

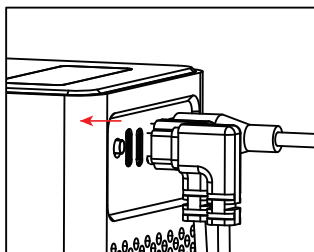
Product Installation

3 Connect the cable

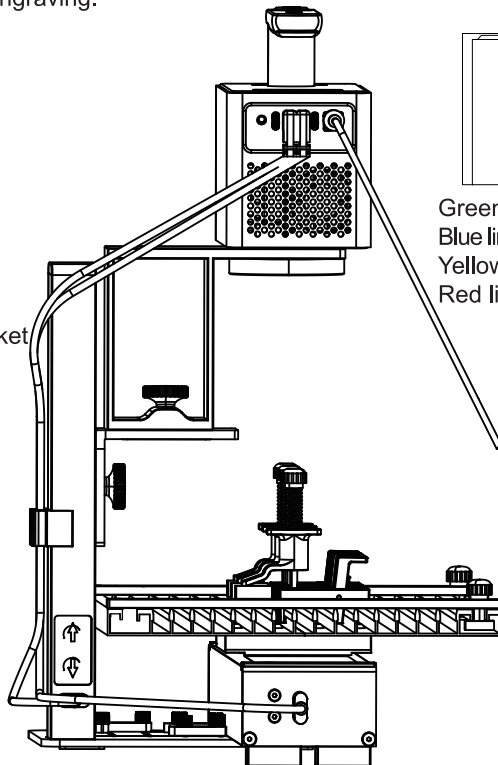
- Fix the wire clip on the electric lifting bracket and fix the cables into the wire clip to avoid interference between the extension and the cables during engraving.



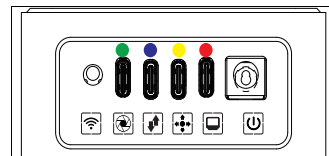
Connect to electric lifting bracket with the **blue TYPE-C** cable



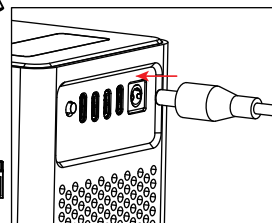
Connect to Extension with the **yellow TYPE-C** cable



Connect to computer with **red** data cable



Green line: output port for the exhaust fan
Blue line: output port for the electric lifting bracket
Yellow line: extension connection port
Red line: computer connection port

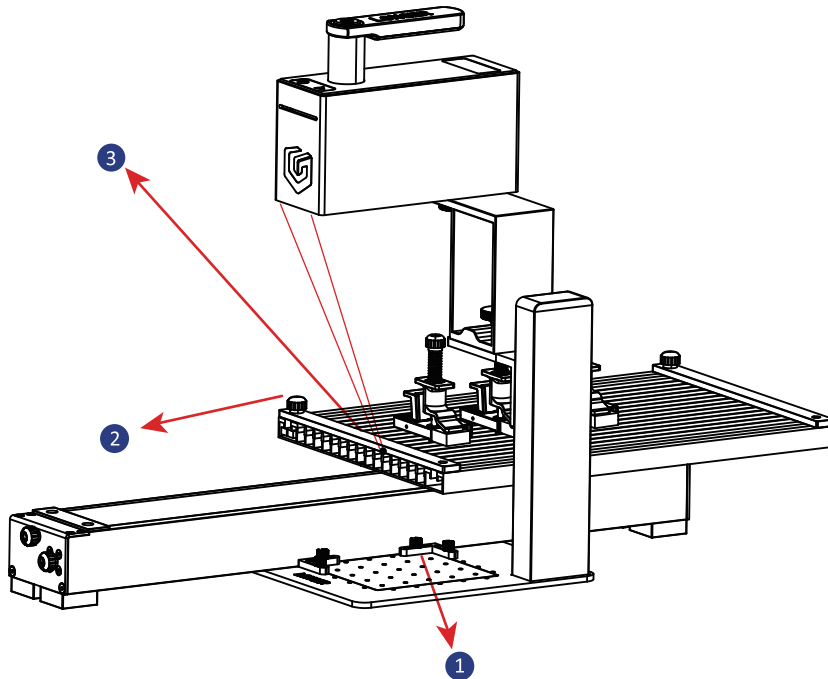


Connect to power supply with the power adapter

Product Installation

4 Place slide extension

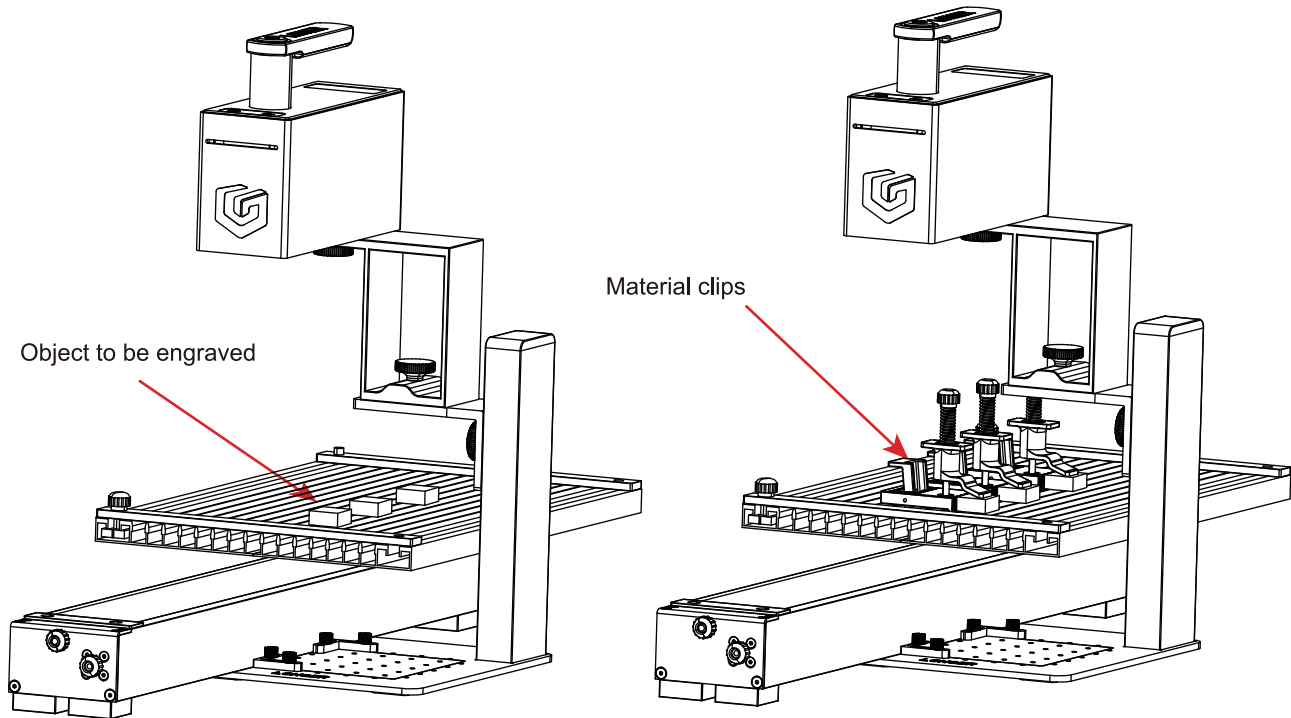
- ▶ First fix the L-shaped positioning piece to the **second row of holes** on the bottom plate and align the Y-axis module with the L-shaped positioning piece so that the Y-axis module is perpendicular to the X axis.
- ▶ Second **push the slide plate to the bottom** of the Y-axis module to ensure that the Y-axis has 300mm.
- ▶ Third press the infrared laser button and move the Y-axis module back and forth so that the **red dot falls on the edge of the slide plate** to ensure the laser can engrave 300mm in Y-axis, press the infrared laser button to turn it off.



Product Installation

5 Place and fix the material

- ▶ Place the engraving material on the slide plate, then fix the material with clips or slide rulers.

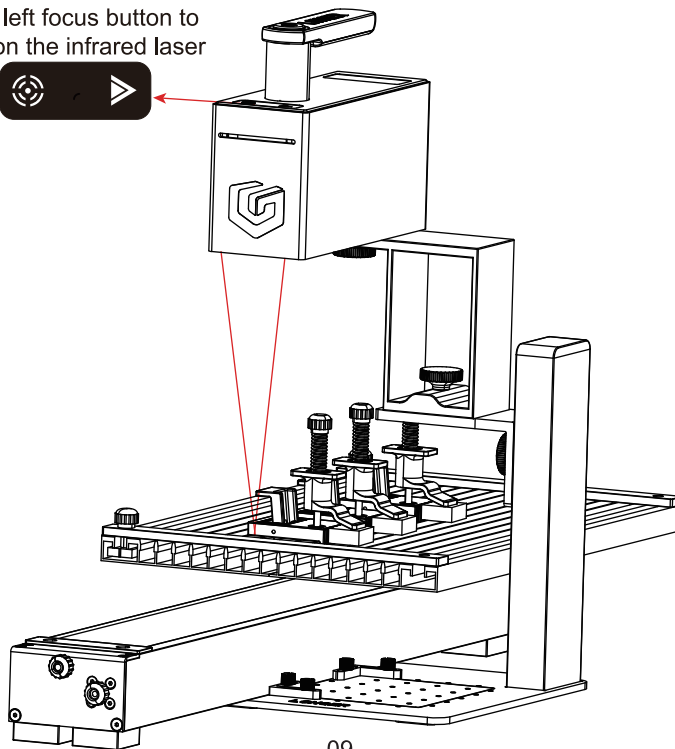


Product Installation

6 Adjust the focus

- ▶ Press the infrared laser button and adjust the height of the electric lifting bracket. When the two laser points overlap into one point, the focus is completed and you can start engraving.

Click left focus button to turn on the infrared laser



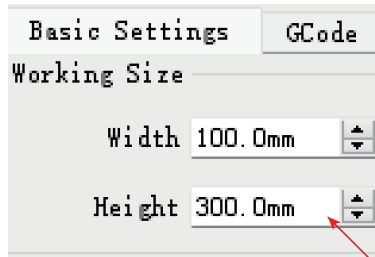
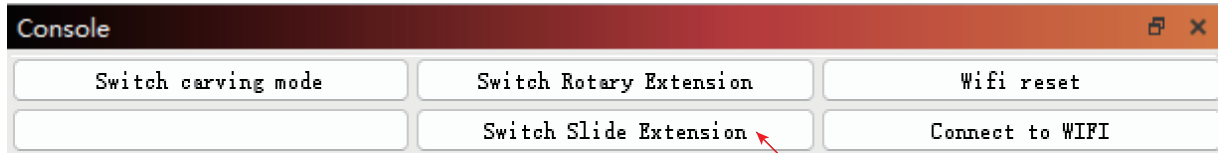
Adjust height



Software Operation

1) Lightburn

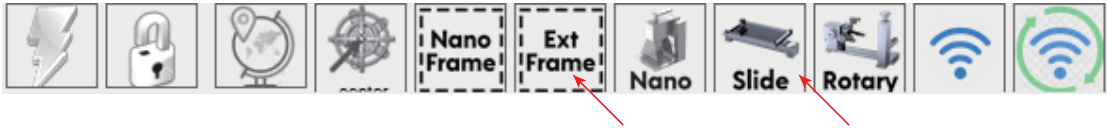
- Connect the laser engraver to PC, click [Device Settings](#), set the value of [height to 300mm](#). Left click [Switch Slide Extension](#) button in Console window to switch to the slide mode. Import the file to be engraved, set the appropriate parameters, confirm the carving range and position of material by click frame. When the slide extension is not used, it needs to change height to 100mm and click Switch carving mode to resume to the engraving mode.



Software Operation

2) LaserGRBL

- ▶ Connect the laser engraver to PC. Import the file to be engraved, set the appropriate parameters, confirm the carving range and position of material by click [EXT Frame](#), then left click on the [Slide](#) icon to switch to the slide mode. When the slide extension is not used, it need to click Nano icon to resume to the engraving mode.



LaserBurn APP Operation

- ▶ Run the Laserburn APP, connect to laser engraver, click the set button, select [Extension](#). Then the height will change to 300mm. Import the file to be engraved, set the appropriate parameters, confirm the carving range and position of material by framing. When the slide extension is not used, it need to select Close in the Third axis to switch to the engraving mode.

