

# Assembly Check Guidance

(for Delta)

## Step 1:

Check Emergency Stop Button to Ensure It is In the Unlocked State.  
If The Emergency Stop Button is Locked, the Button Needs to be Rotated Up.  
Check that the switch Lock is pointing to the unlocked state.



## Step 2:

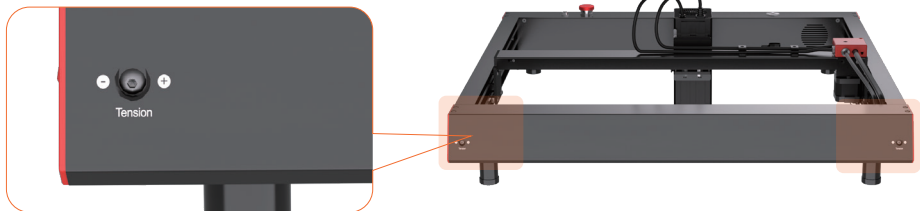
After Assembling the Entire Machine, Check the Belt Tightness of Left Y-axis and Right Y-axis

- Evaluate Belt Tightness:
  - a) No sagging of the belt
  - b) press the belt with the index finger, it is easy to produce the downward pressure arc as shown in the figure, after letting go of the belt quickly reboundNo rebound indicates that the tension is too loose, and severe resistance to downward pressure indicates that the tension is too tight.



- Adjust Belt Tightness: Slowly and Gradually (Half a Turn Each Time) Rotate the Belt Adjusting Screw In the Positive Direction Until It Reaches the Proper Tightness.

**\*note: Do Not Rotate Completely at Once to Prevent the Belt From Over-tightening and Broken.**

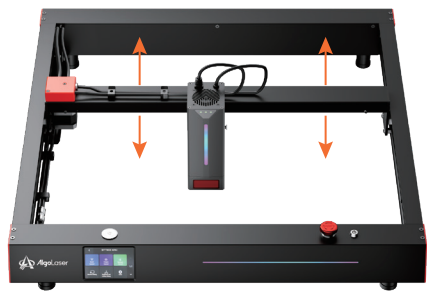


- Check the Left Y-axis, Right Y-axis Belt Tension Adjustment is Consistent, Ensuring the Stability and Balance of the Mechanical Operation.

## Step 3:

Check the Y-axis Sliding Performance

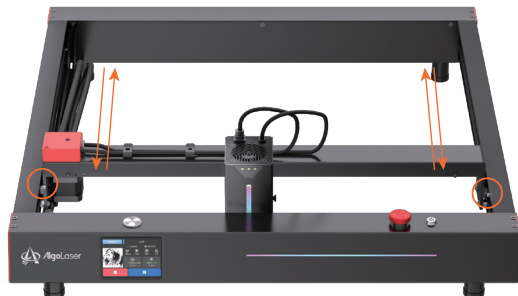
- Push the X-axis to Move Back and Forth Along the Direction of the Front and Rear Frames, and Check Any Noise Occurs During the Sliding of the Left and Right Y-axis.
- Push the left and right sides of the gantry separately to see whether the force required to push is consistent.
- Push the X-axis Until Both Left and Right Y-axis Move Smoothly without Any Abnormalities.



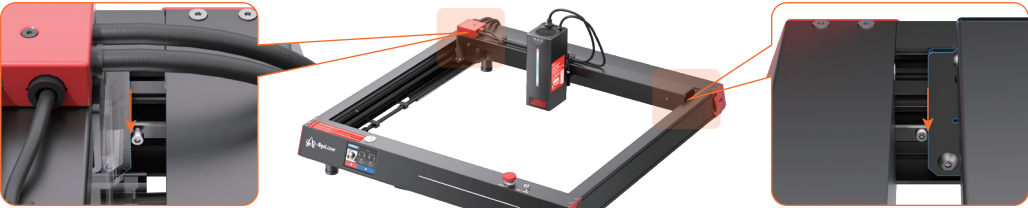
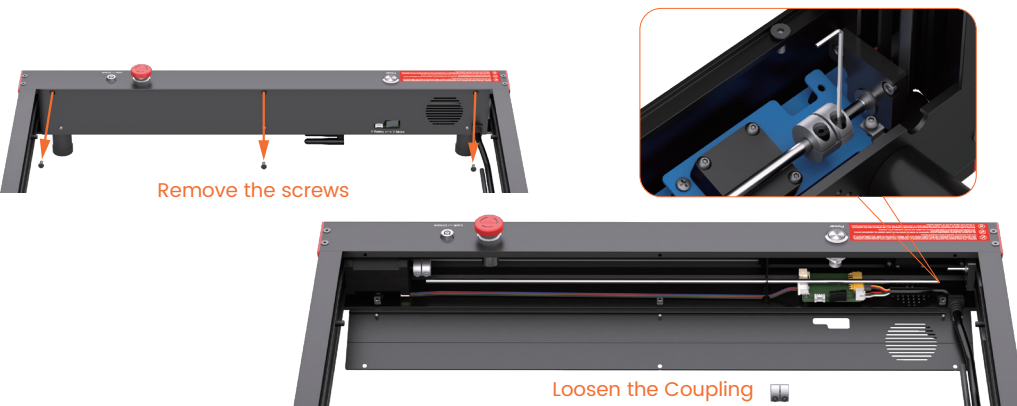
## Step 4:

Calibrate the Y-axis Synchronization of Limit Position

- Push the X-axis to the Two Limit Switches of the Front and Rear Frame and Check Whether the Left and Right Y-axis Can Reach the Limit Position Simultaneously and Synchronously.



- If One Y Axis Has Reached the Limit Position but Another Y Axis Has Not, You Need to Adjust as Follows: Loosen the Coupling, Manually Move the X Axis to the Correct Limit Switch Position, and Re-tighten the Coupling.



Manually Move the X Axis to the Correct Limit Switch Position

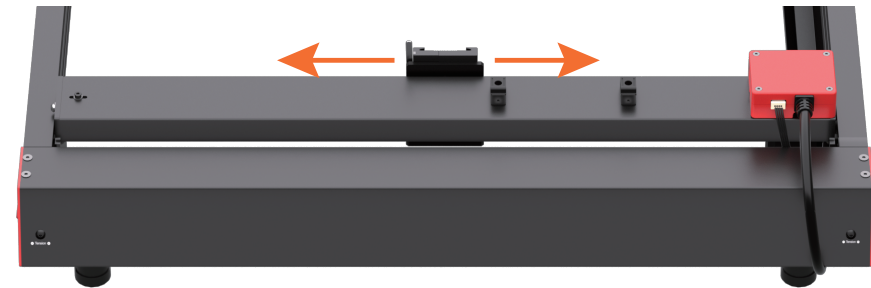


Re-tighten the Coupling and Install the Front Cover Assembly

## Step 5:

Check the X-axis Carriage Fixing Plate and Re-check the Y-axis Gliding Performance

- Hold the Carriage Fixing Plate on the X-axis By Hand and Push It to Move Back and Forth From Side to Side on The X-axis.
- Check Again the Left and Right Y-axis Sliding Process Whether There are Abnormal Noises and Whether There is Bouncing Phenomenon During the Movement of the Small Roller to Ensure Smooth Movement of the X-axis and Y-axis is without Abnormality.



## Step 6:

Check the Belt Tightness of X-axis

- Repeat the Operation In Step 1 to Check and Adjust the Belt Tightness of the X-axis.

## Step 7:

Circle Test of Engraving

- When the Above 5 Steps Have Been Checked, The Next Step of Power-on Test is Ready to Be Started.
- Select a Circle File to Engrave.
- Check the Circle Shape, If the Circle is Complete and Rounded, the Assembly is Well Done.
- If the circle is twisted, recheck steps 2-6



# Update Firmware

We Will Continue to Perform System Upgrades to Ensure That You Have Access to the Latest and Most Accurate Product Features. Please Make Sure to Keep Up with Ota (Over-the-air) Updates to Experience the Latest Features. If You Have Any Questions or Need Assistance, Feel Free to Contact Us at Any Time!

**\*Update Firmware requires WiFi connection**

