F03-0135-0AA1 Atomstack Maker Rotary Chuck Instruction Manual

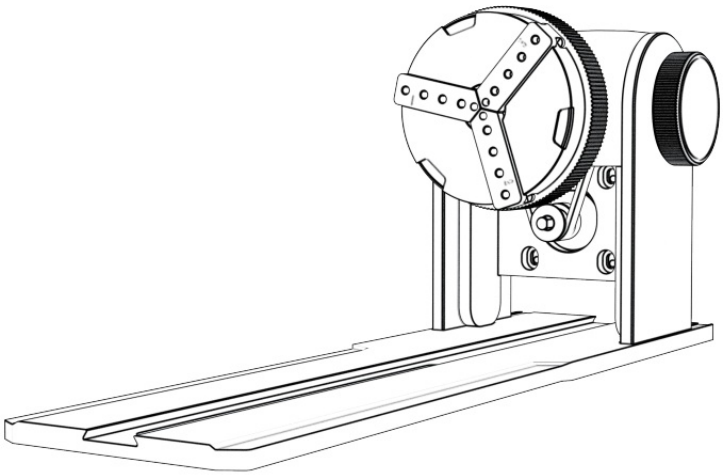
F03-0135-0AA1 Atomstack Maker Rotary Chuck Instruction Manual

Contents

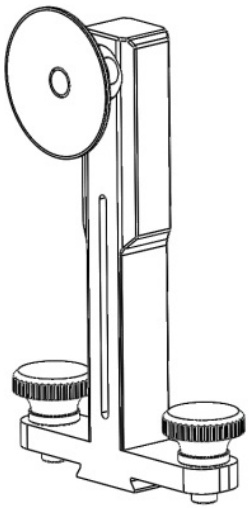
Product Using Installation Instruction

Packing list

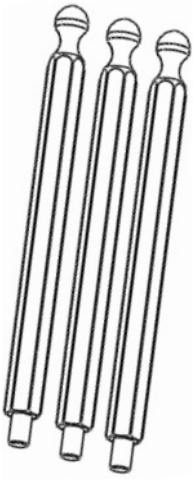
- Chuck body assembly



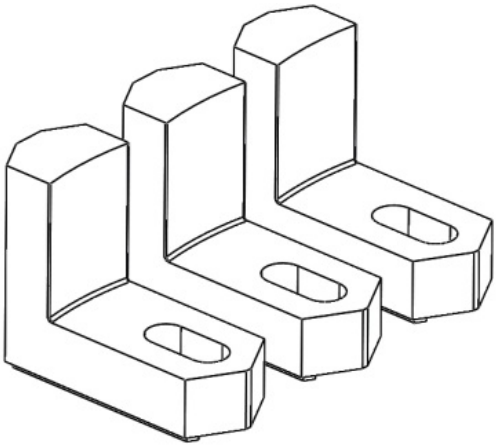
- Support column assembly



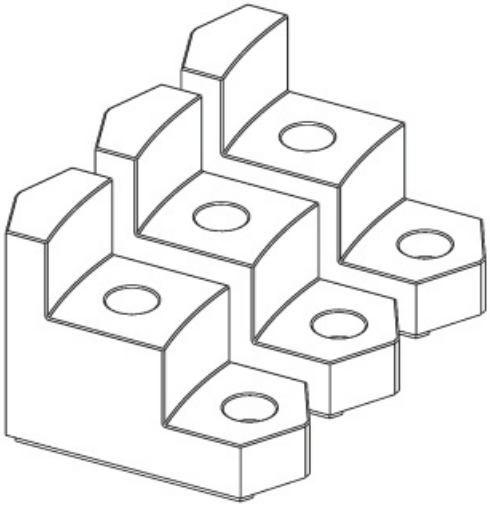
- Hexagonal jaws*3PCS L



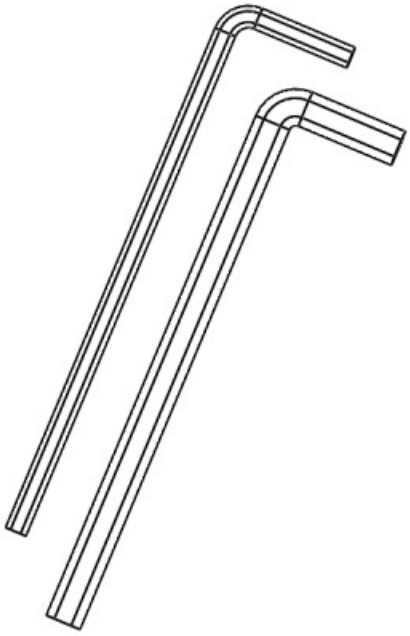
- L-shaped jaws*3PCS



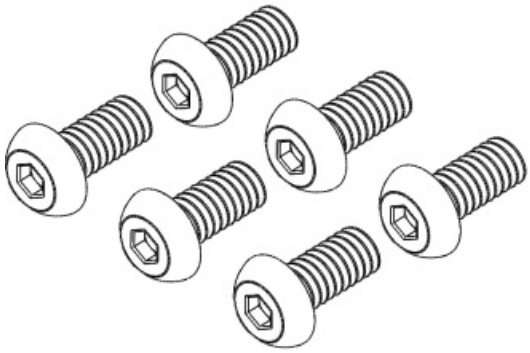
- H2.5 Hexagonal Plate Handle*1PCS



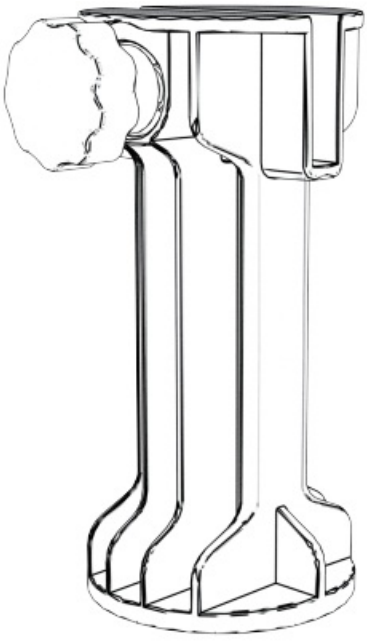
H3.0 Hexagonal Plate Handle*1PCS



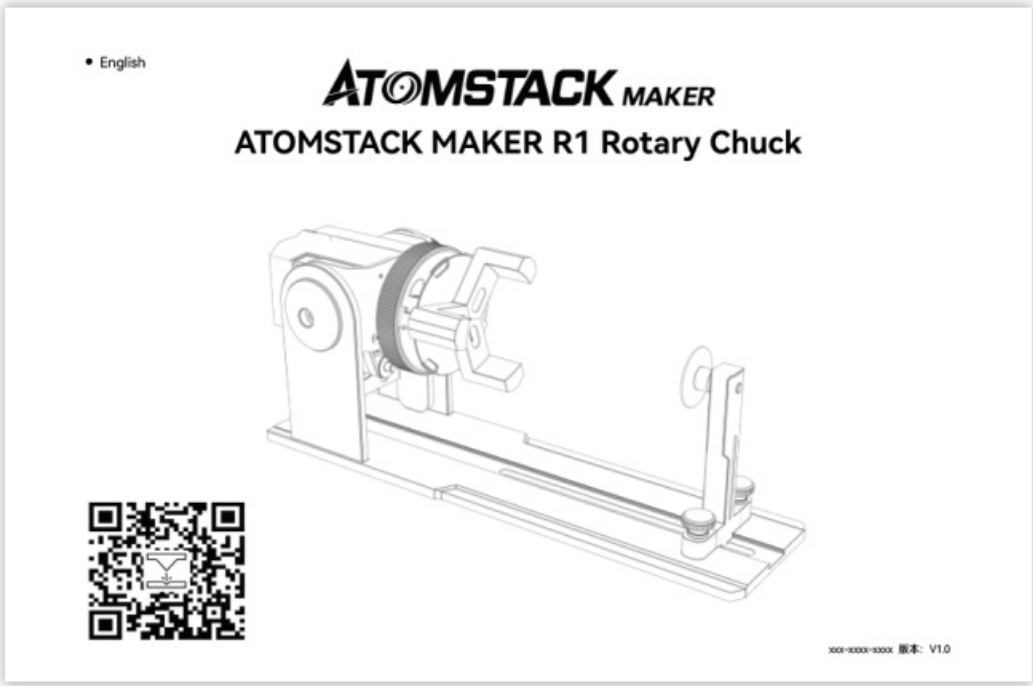
- Screw 3*6mm(6PCS)



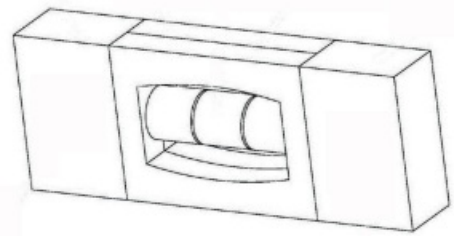
- Heightened feet *4PCS



- Instruction manual



- Mini level meter *1PCS

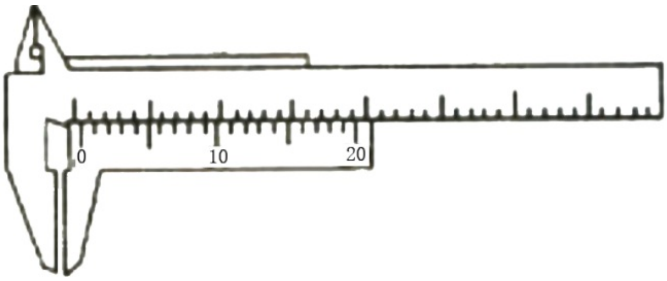


- Soft ruler*1PCS

- black plug wire*1PCS

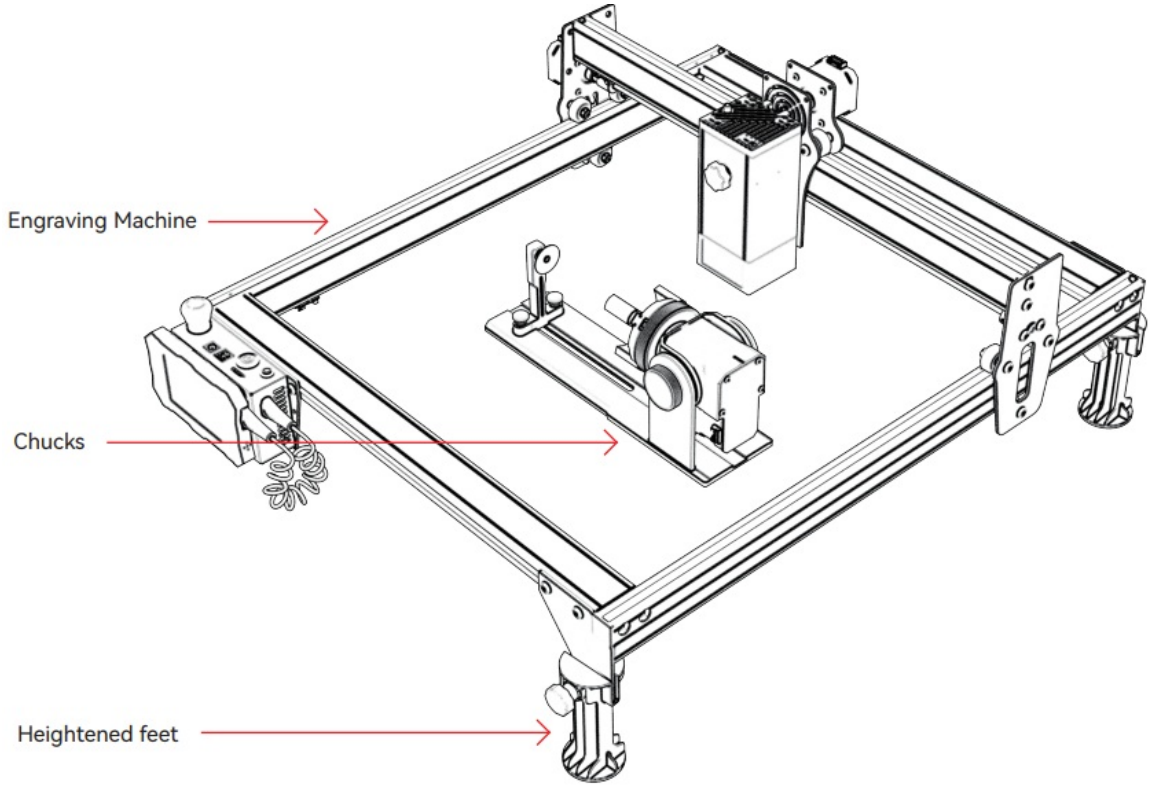
- White plug wire*1PCS

- Caliper*1PCS

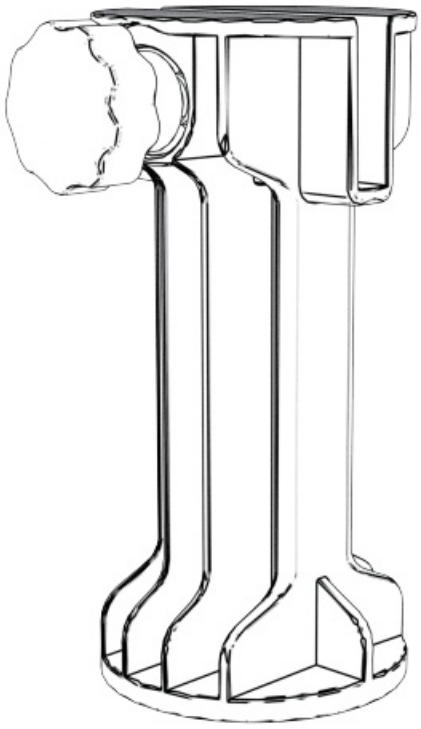


Heightening feet installation

When you need to work with the chuck to engrave or cut wide surface objects, you need to install the heightening foot. The laser engraver can be raised to engrave or cut taller objects by installing heightening foot accessories.



Chuck and heightening feet with the use of diagrams



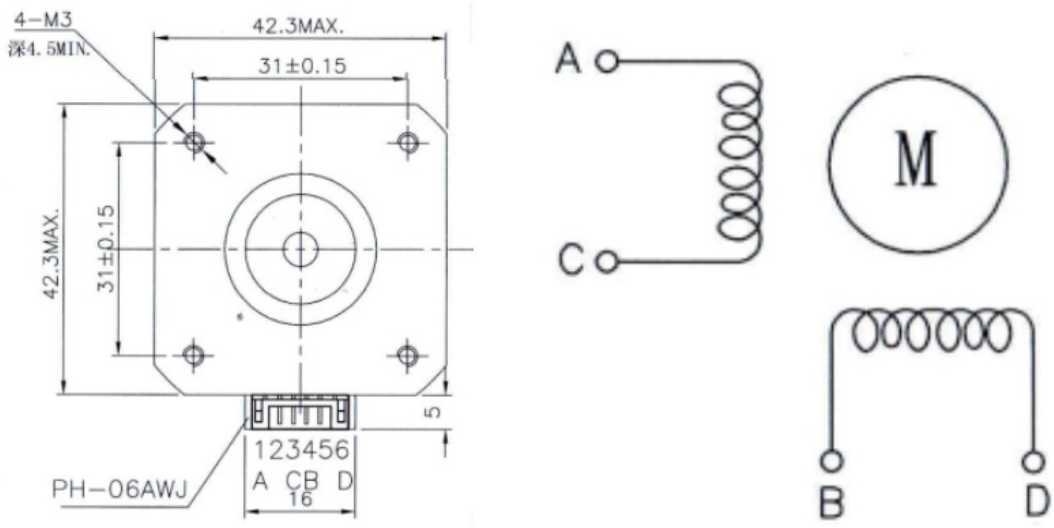
Heightened fee

Connection cable use

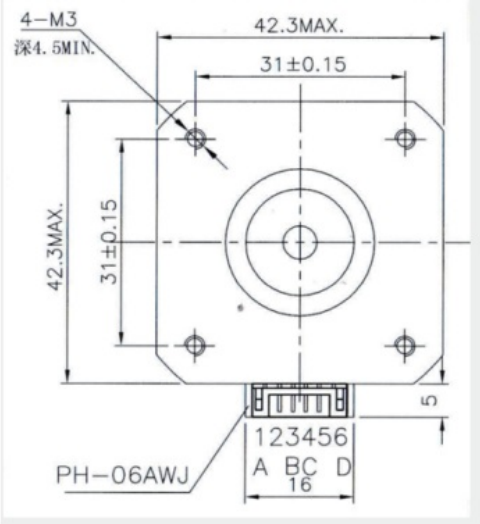
The chuck has two connecting wires, black plug and white plug, note that they are wired in a different order and need to be connected carefully.

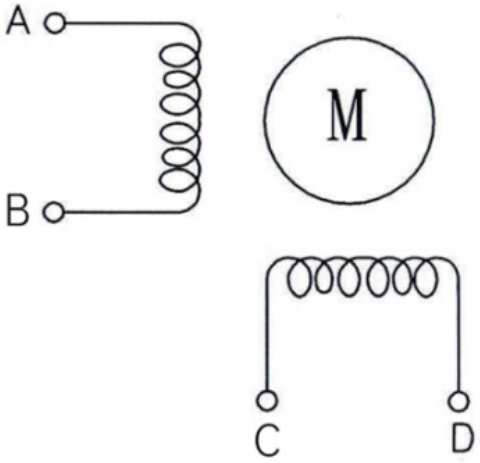
4PIN white plug cable for connecting ATOMSTACK laser engraving machine.
4PIN black plug cable for connecting to third party laser engraving machine.
The R1 chucking kit supports ATOMSTACK and third party laser cutters and engravers. You need to connect it to the device and use the appropriate software to operate it. If you cannot connect it, please change the order of the wires and change the processing as shown in Figure 1.1-1.2.

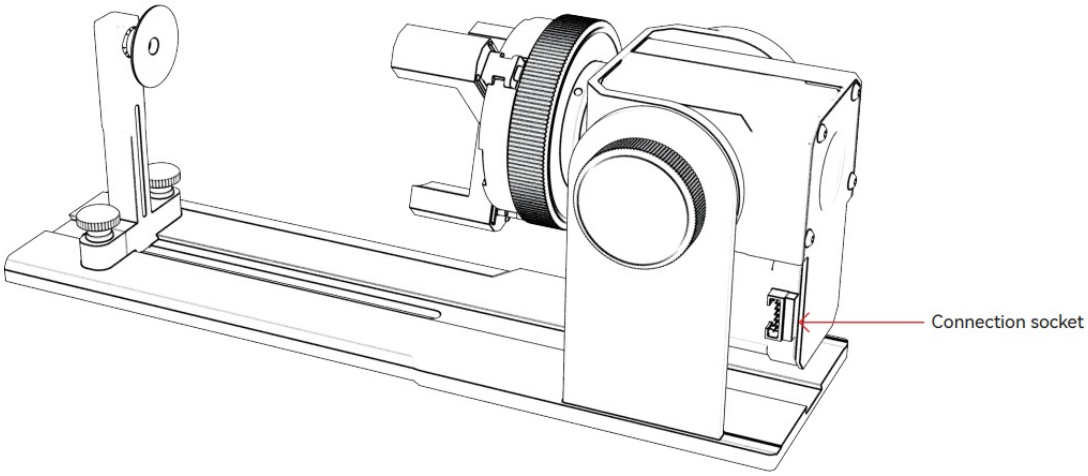
1. White plug wire connection sequence



2. The connection sequence of black plug wires





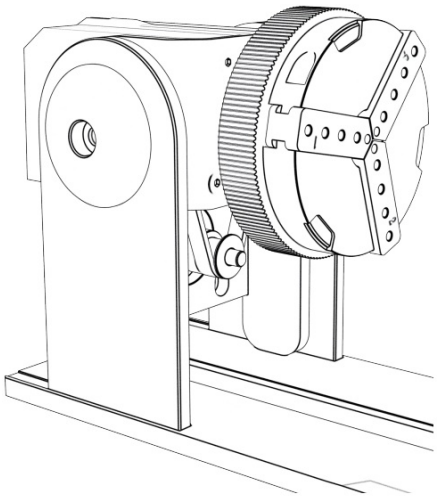


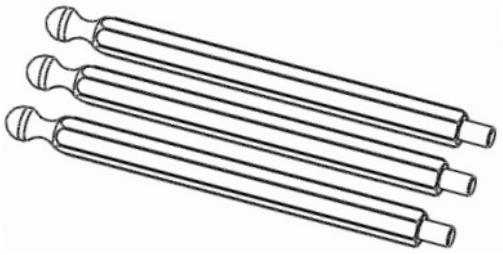
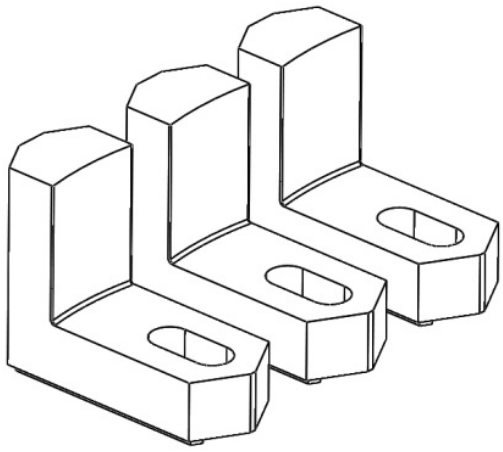
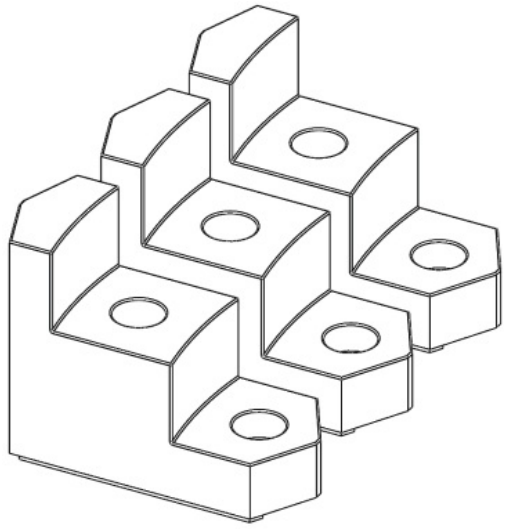
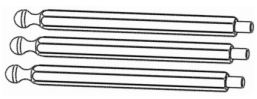
Terminal plug for connecting the chuck

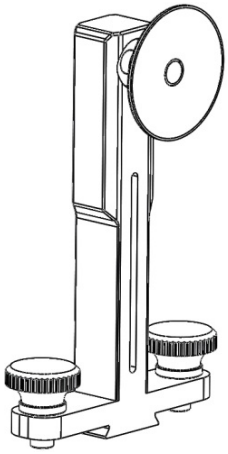
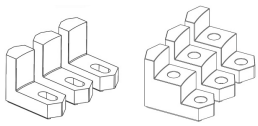
			
Y-axis motor wire plug	Chuck motor plug	Y-axis motor wire plug	Chuck motor plug
White plug cable for Atom stack		Black plug wire other brands use	

product use introduction

	Product portfolio using accessories	Engraved shapes/items

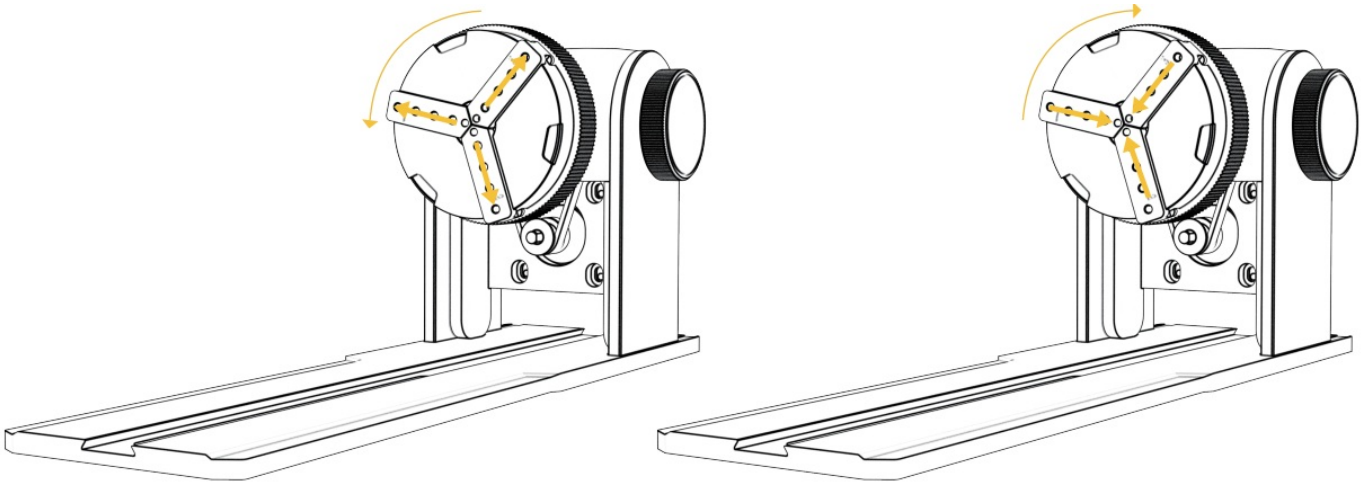


	Rings (rings and other smaller diameter circles) Circles (larger diameter circles such as bracelets)
	Circles (larger diameter circles such as bracelets)
	Cylindrical
	Goblets
	Circles (larger diameter circles such as bracelets)
	Cylindrical
	Goblets
	Sphere, egg-shaped (curved surface is not obvious), non-invekible

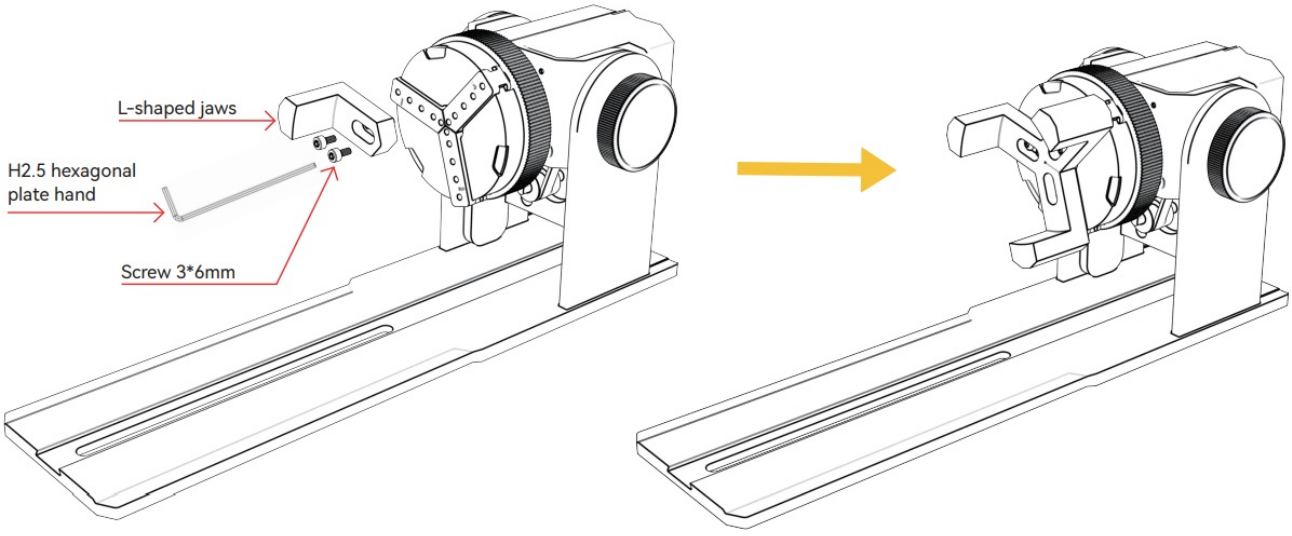
			Sphere, egg-shaped (curved surface is not obvious), non-i nvekible

Installation guide

Step 1: Direction of chuck rotation
Clockwise for locking, counterclockwise for unlocking



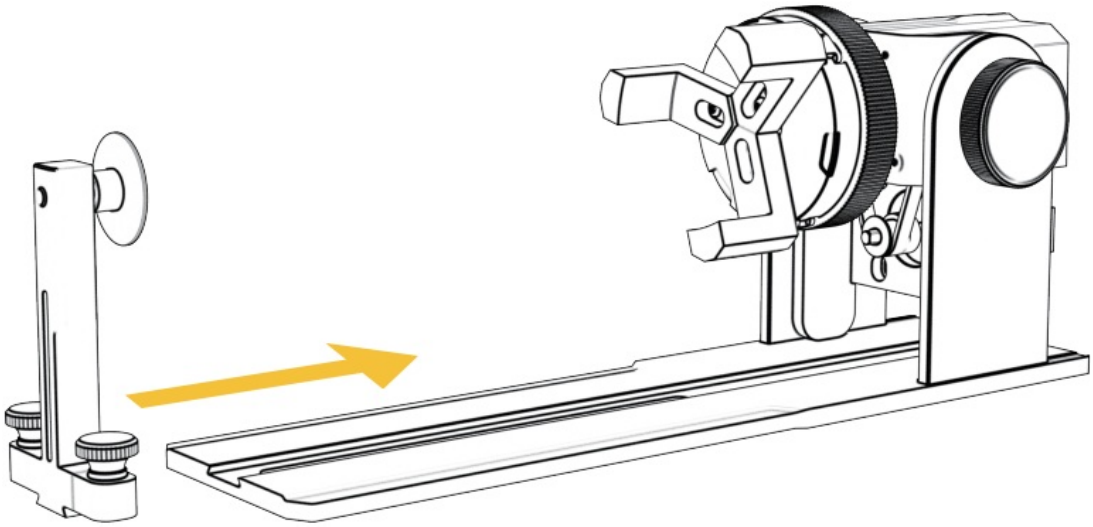
Step 2 (A 1) : Installation of L-shaped jaws (method 1)



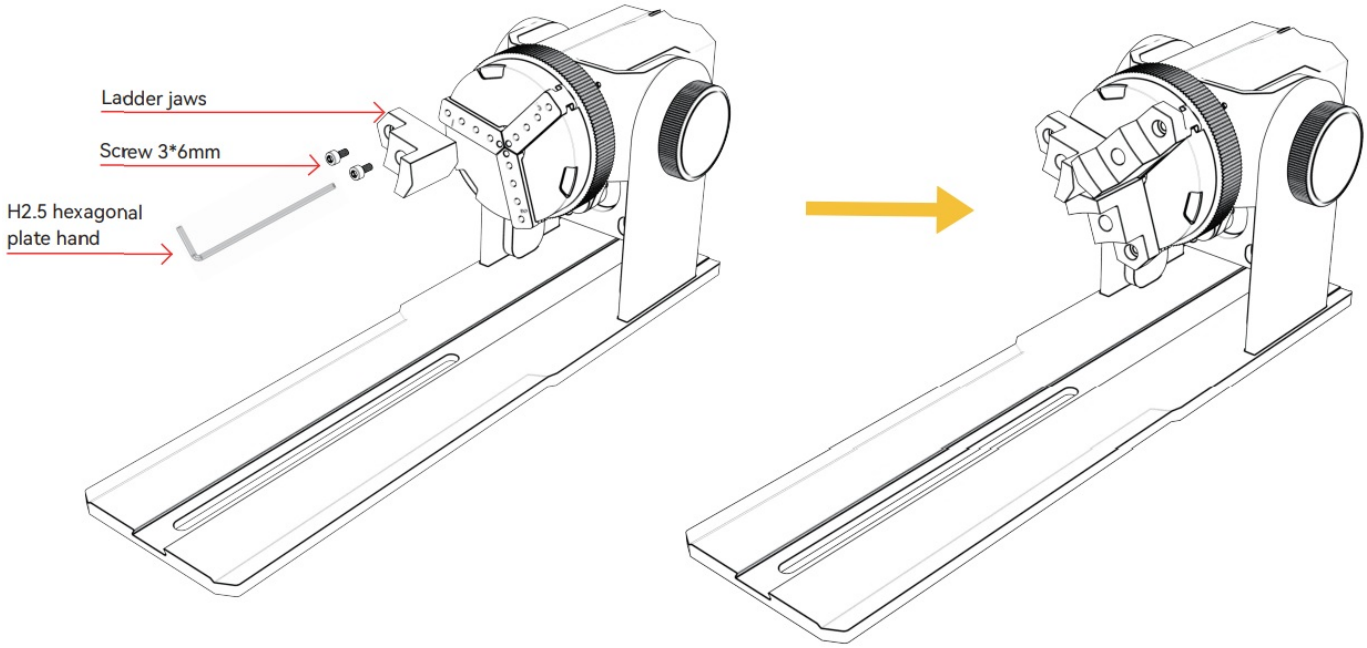
Key points of operation : the sphere should stick to the three jaws as far as possible, and then The suction cup of the rear support column is attached to the sphere, and then tightened screw. When disassembling the ball, you can

put the chuck Loosen, then move the support column back.

Support column assembly



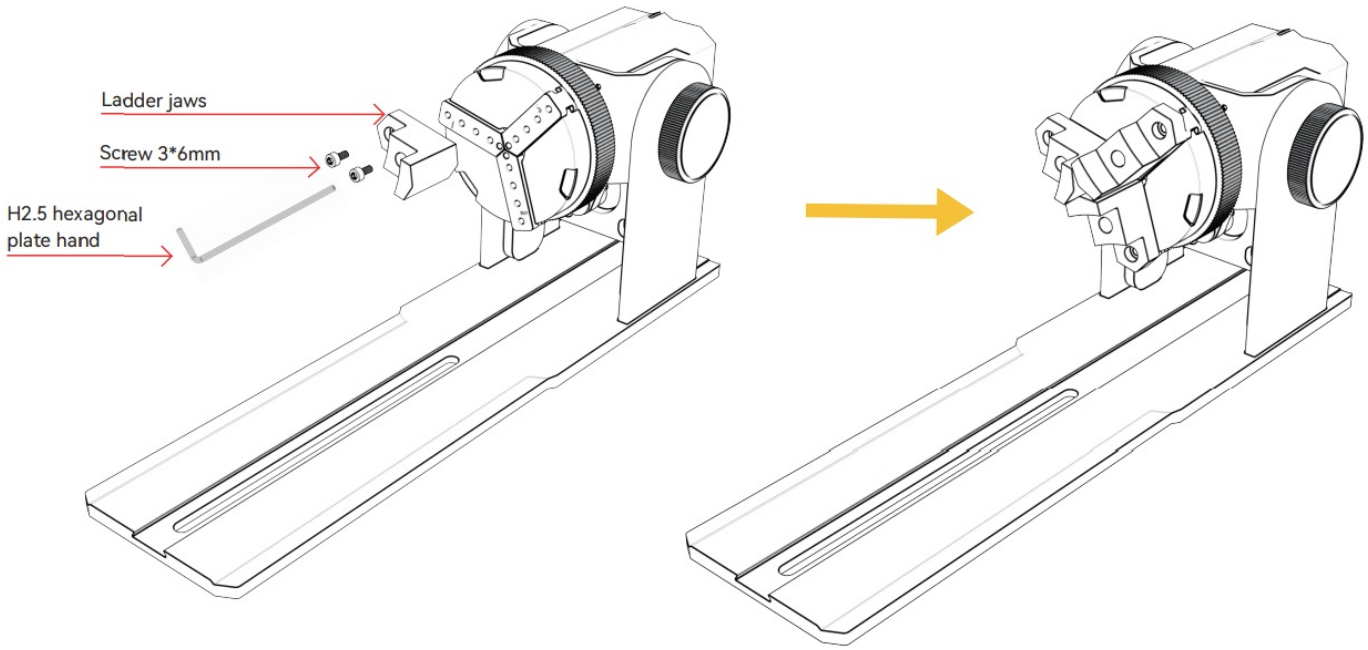
Step 2 (A 1) : Installation of L-shaped jaws (method 2)



Note:

1. When engraving a curved surface, take the average value of the diameter/circumference of the actual engraving range of the measured object (the average value of the left, middle and right of the engraving range position)
2. When tilting and engraving, adjust the appropriate position of engraving by rotating the button
3. Round bottom object engraving

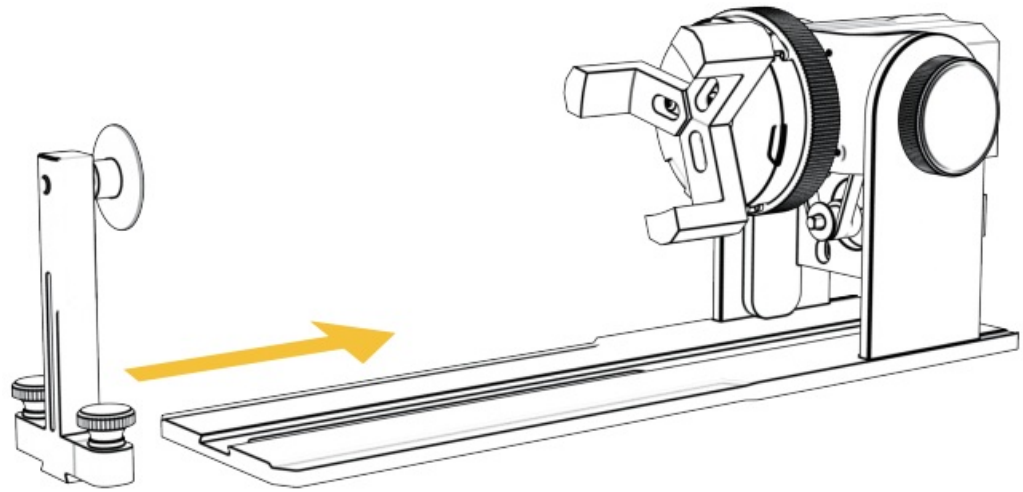
Step 2 (B 1) : Installation of step jaws jaws (method 1)



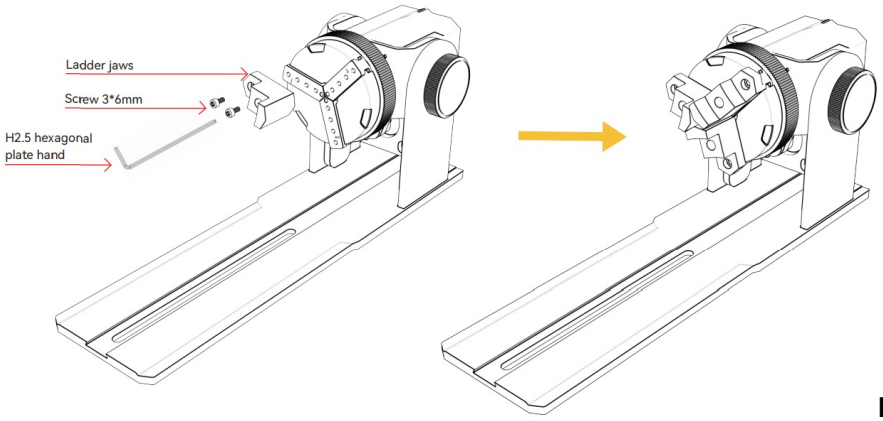
Key points of operation: The sphere should be flattened by the three claws, and then the support column Flatten the sphere with the suction cup, and then tighten the screws. Disassemble the sphere, you can loosen the chuck first, and then move the support back column.
Note:

1. When engraving a curved surface, take the average value of the diameter/circumference of the actual engraving range of the measured object (the average value of the left, middle and right of the engraving range position)
2. When tilting and engraving, adjust the appropriate position of engraving by rotating the button
3. Round bottom object engraving

Support column assembly



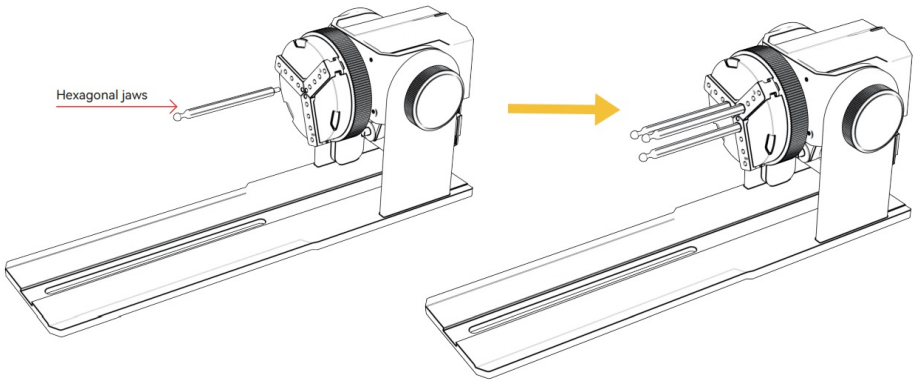
Step 2 (B 2) : Installation of step jaws jaws (method 2)



Note:

1. When engraving a curved surface, take the average value of the diameter/circumference of the actual engraving range of the measured object (the average value of the left, middle and right of the engraving range position)
2. When tilting and engraving, adjust the appropriate position of engraving by rotating the button
3. Non-circular bottom object engraving

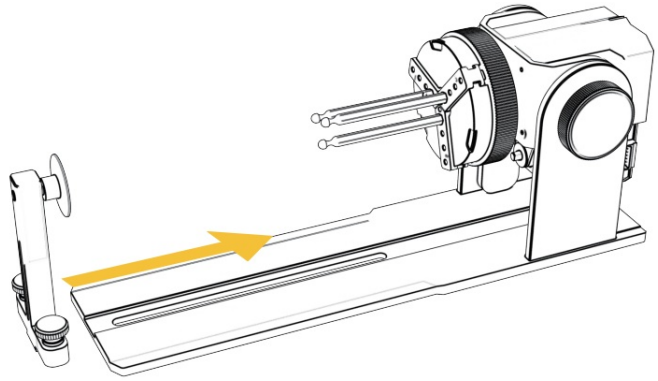
Step 2 (C 1) : Installation of hexagonal jaws



Key points of operation: when engraving a curved surface, take the measured object Diameter/- circumference average of actual engraving range (engraving The three values on the left, middle and right of the range position are equal mean)
Note:

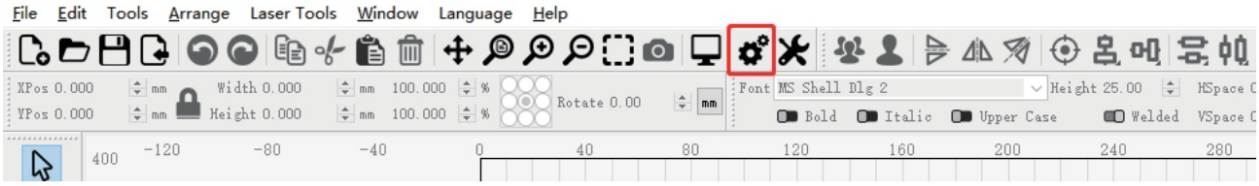
1. When tilting and engraving, use the motor rotation button to adjust the appropriate position for engraving.

Support column assembly

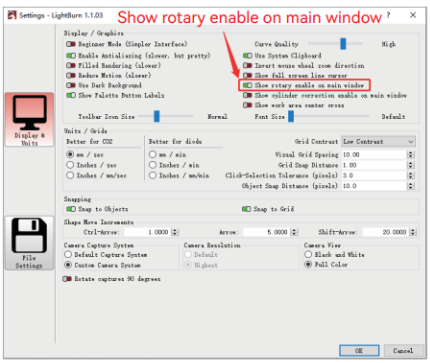


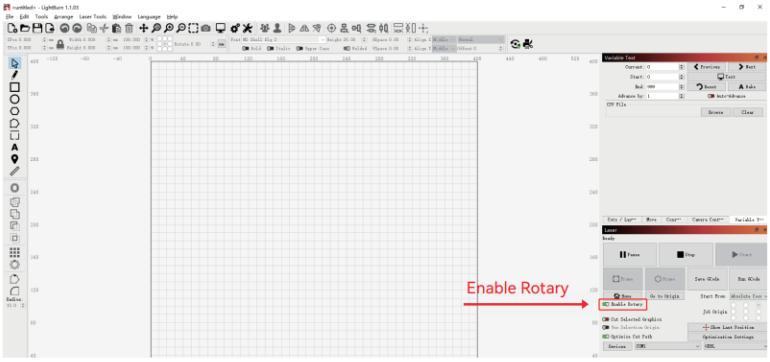
Light Burn software use

1. Add “Start Rotation” to the main window
    1. Click “Settings” on the toolbar

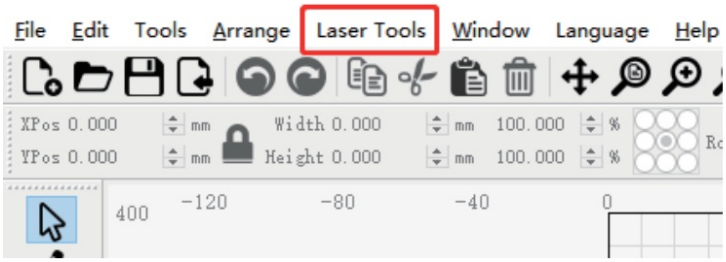


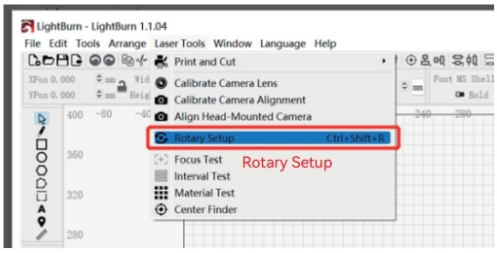
2. In the settings window, open the “Show rotation in main window to enable” button and click OK





2. Open the Rotation Settings window and set the parameters
   1. Open the Rotation Settings window: click “Laser Tools” on the toolbar, then click “Rotary Setup”

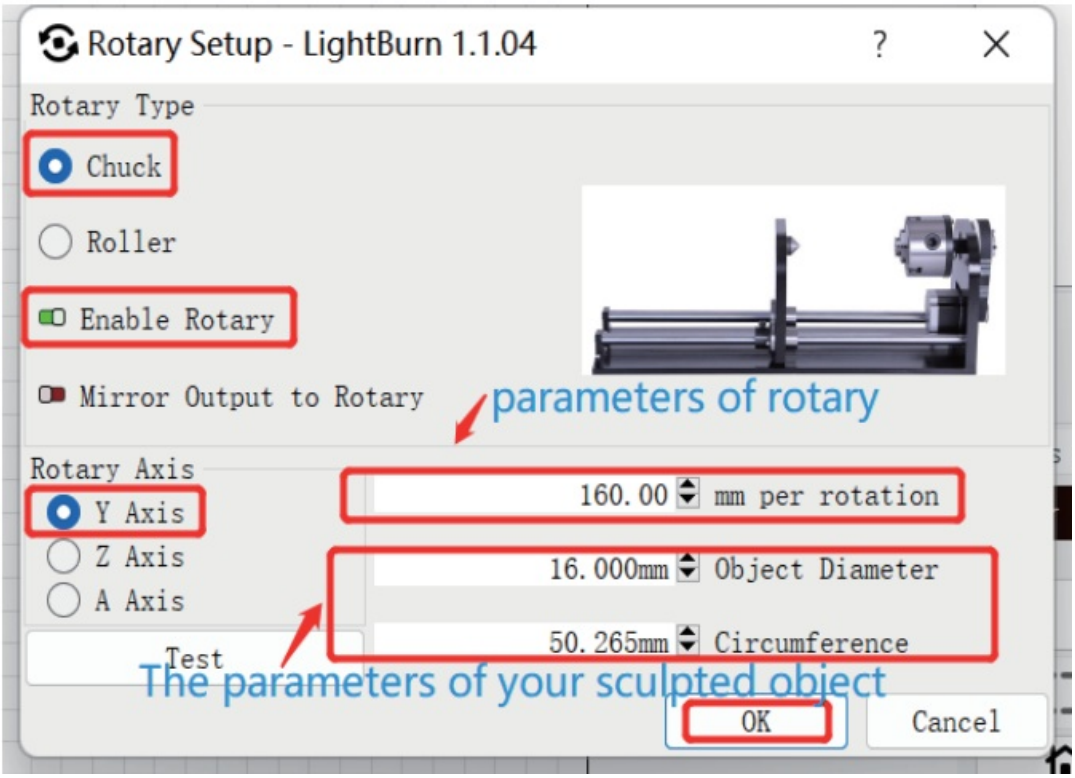




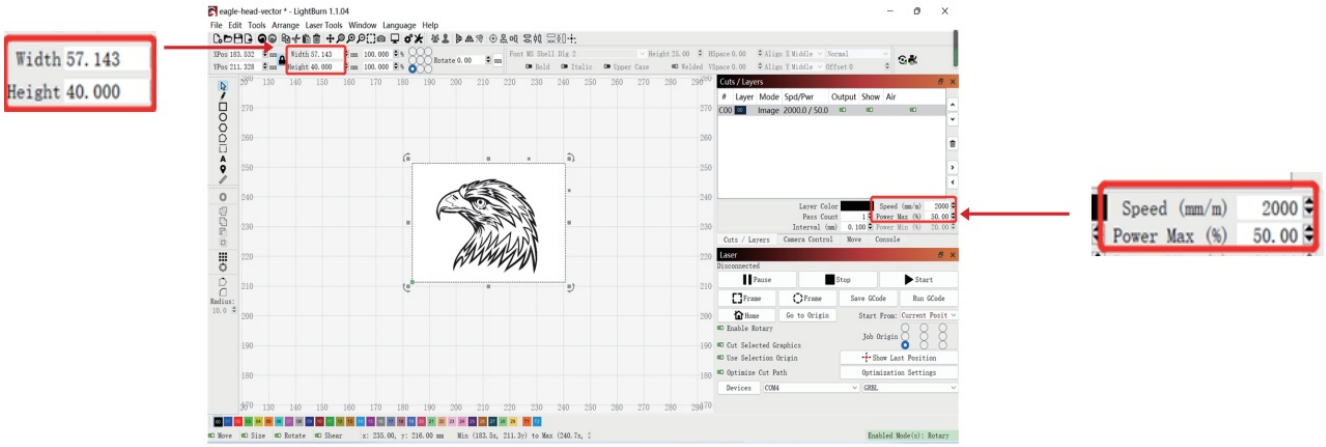
   2. Set the correct parameters in the rotation setting window: as shown in the figure

      Steps:

   3. Select the type of rotation: Chuck
   4. Open “Enable Rotary”
   5. Select “Y-axis” rotation axis
   6. Enter the parameters of the rotating device (fixed value)
   7. Enter your object parameters: the actual measured diameter or circumference of the object to be measured

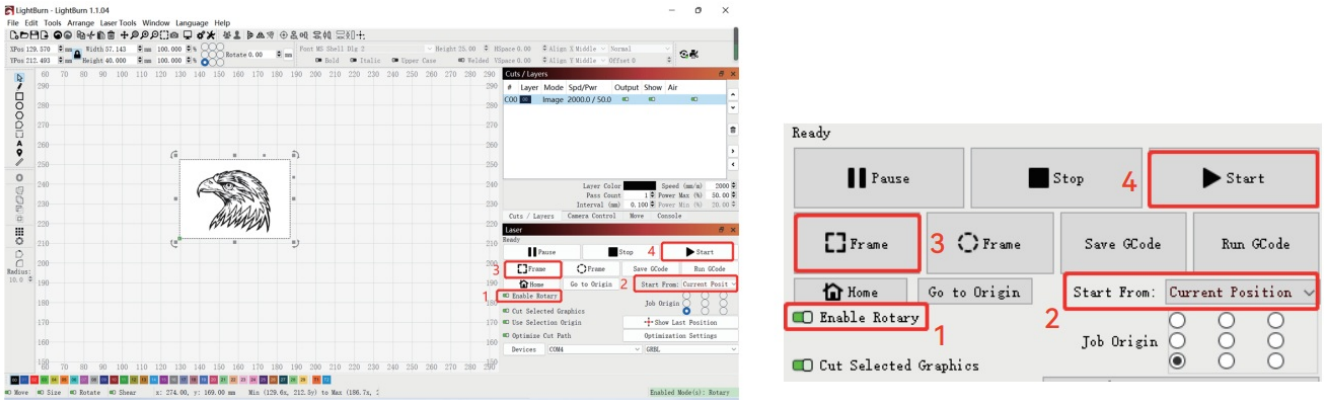


3. Import the pattern you want to engrave, set the size of the pattern, and set the power and speed of the engraving.



4. You can click “Frame” to preview the position of the engraving pattern, and then move the laser head to the desired position.

   It is recommended to use “Current Position” for the start position and click “Start” when you have finished setting



Notes

1. Make sure you have placed the chuck module parallel to the working area of the engraving machine before rotating the engraving. otherwise the pattern engraved on the object may be deformed
2. Try to make the three contact surfaces of the object under test and the jaw assembly flat
3. When the sphere needs to be removed after engraving, first loosen the chuck knob and then loosen the bracket fixing knob
4. Do not forget to update the parameters of the measured object in the rotation setting window every time you change the measured object.
5. Turn off “Enable Rotary” in the main window when plane engraving, otherwise the engraving pattern will be deformed.
6. If you are using this product for the first time, please read the accompanying materials carefully to improve your experience. If you do not use the product in accordance with the instructions and requirements or due to mishandling of the product, etc., ATOM STACK shall not be liable for any loss resulting therefrom.
7. ATOM STACK has carefully checked the contents of the manuals, but there may still be errors or omissions, ATOM STACK is committed to continually improving the functionality of its products and the quality of its services, and therefore reserves the right to change any manuals and the products or software described in the contents of the manuals without prior notice.

Customer service :

For detailed warranty policy, please visit our official **website : www.atomstack.net**
For technical support and service, please email **support@atomstack.net**

Manufacturer :

Shenzhen AtomStack Technologies Co.,Ltd

Address :

202, Building 1, Mingliang Technology Park, No. 88 Zhuguang North Road, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China
Zip code : 518172

Scan QR code:

QR code reader/barcode scanner or any app with a scanner

Documents / Resources

	ATOMSTACK F03-0135-0AA1 Atomstack Maker Rotary Chuck [pdf] Instruction Manual F03-0135-0AA1 Atomstack Maker Rotary Chuck, F03-0135-0AA1, Atomstack Maker Rotary Chuck, Maker Rotary Chuck, Rotary Chuck, Chuck

References

- Atomstack Official Store - Laser Engraving Machine
- User Manual