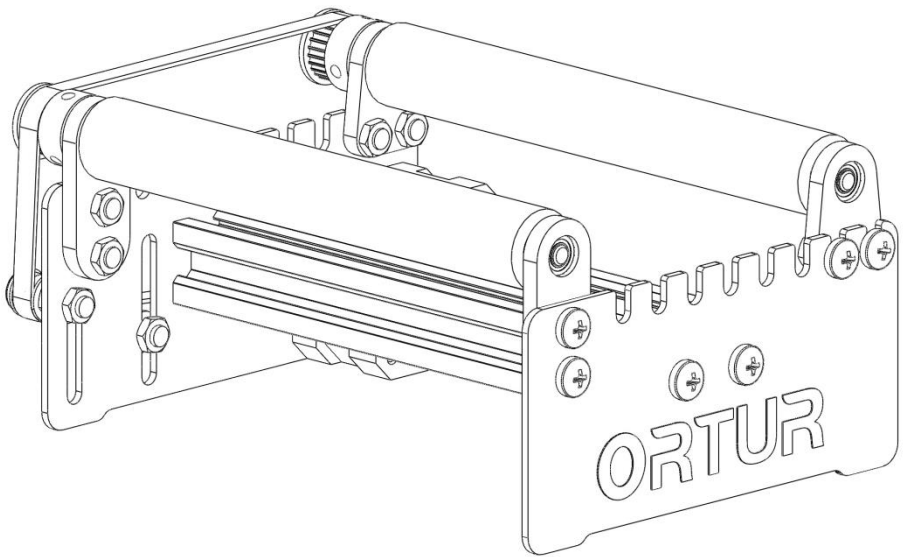


User Manual of Y Axis Rotary Roller



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MADE IN CHINA

Brief Introduction

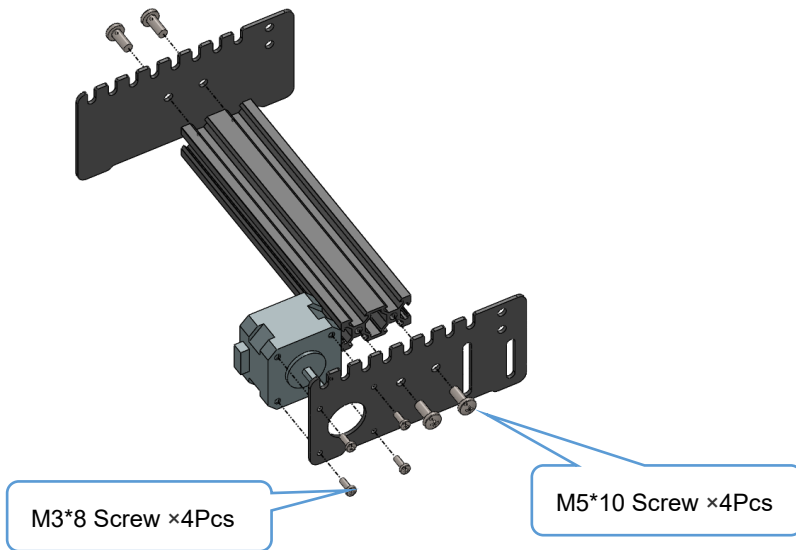
- This Y-axis Rotary Roller is used for laser engraving on cylindrical objects.
- This Y-axis Rotary Roller is an accessory part of Laser Engraver, cannot be used alone.

Attention

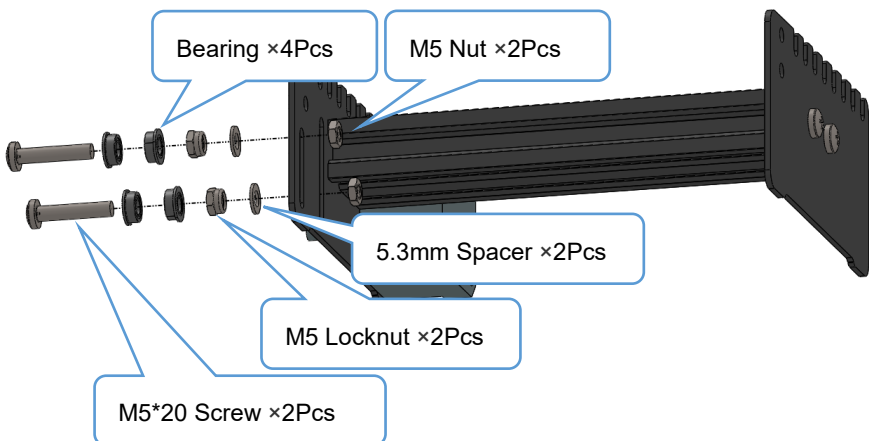
- This Y-axis Rotary Roller could be used with other brands of laser engraver, but it does not guarantee a perfect match.
- If user modifies the Y-axis Rotary Roller without permission, we would not be responsible.

Assembly Procedure

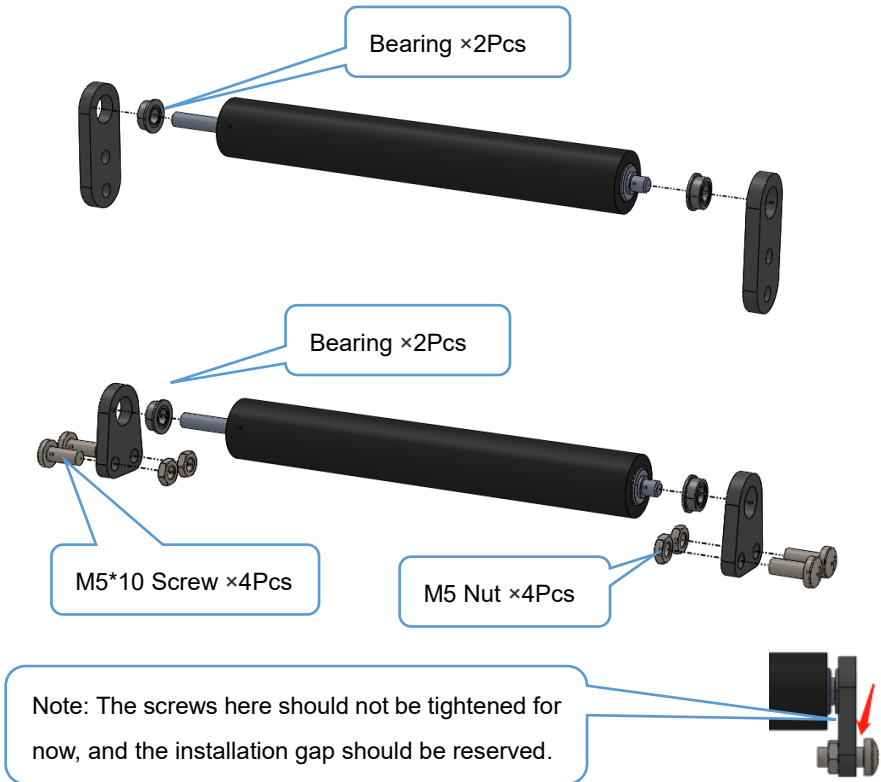
1. Assemble the Frame and Motor by 4 x M3*8 screws and 4 x M5*10 screws

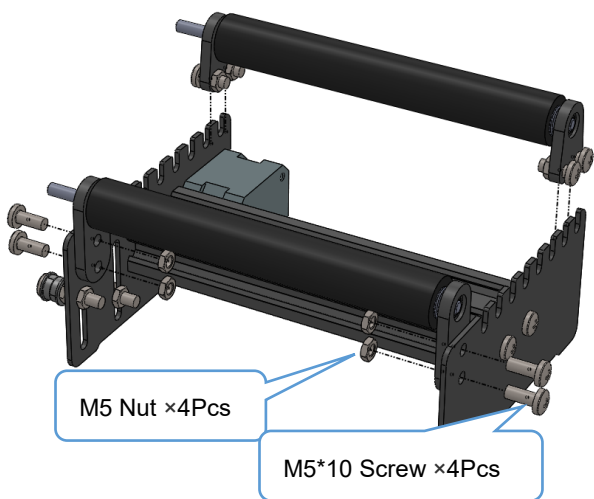


2. Assemble the Idle Pulley



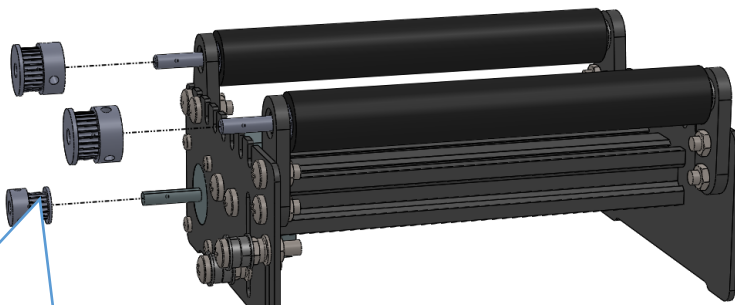
3. Assemble Roller





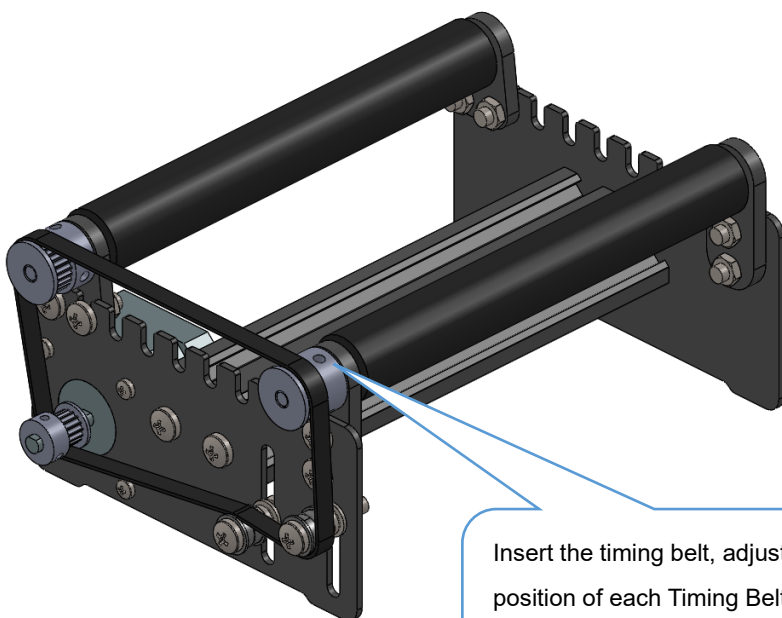
4. Assemble Timing Belt Pulleys.

25 Teeth Timing Belt Pulley ×2Pcs

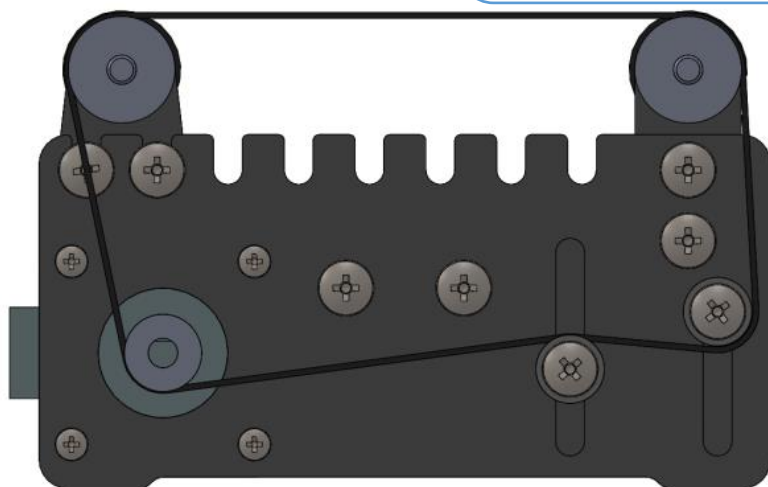


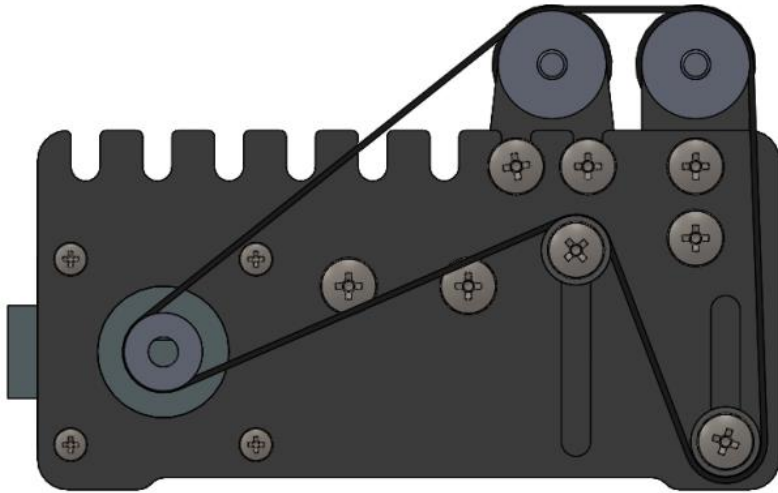
16 Teeth Timing Belt Pulley ×1Pc

5. Last Step.



Insert the timing belt, adjust the position of each Timing Belt Pulley, and use the hex wrench to tighten the internal fixing screw

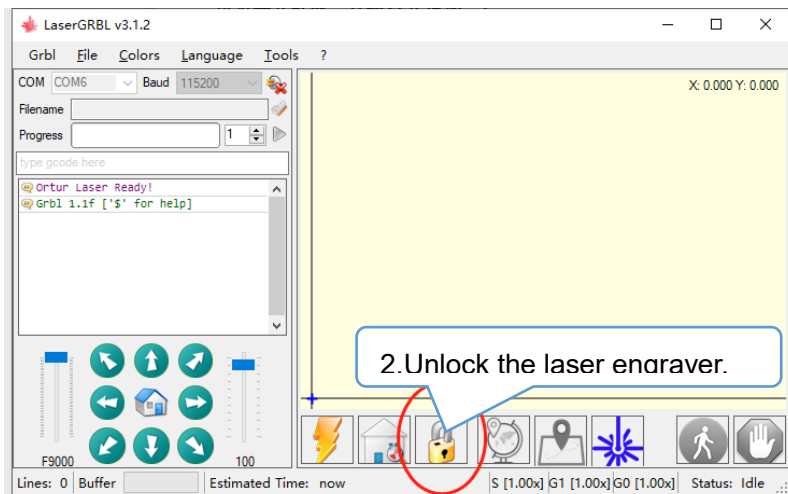
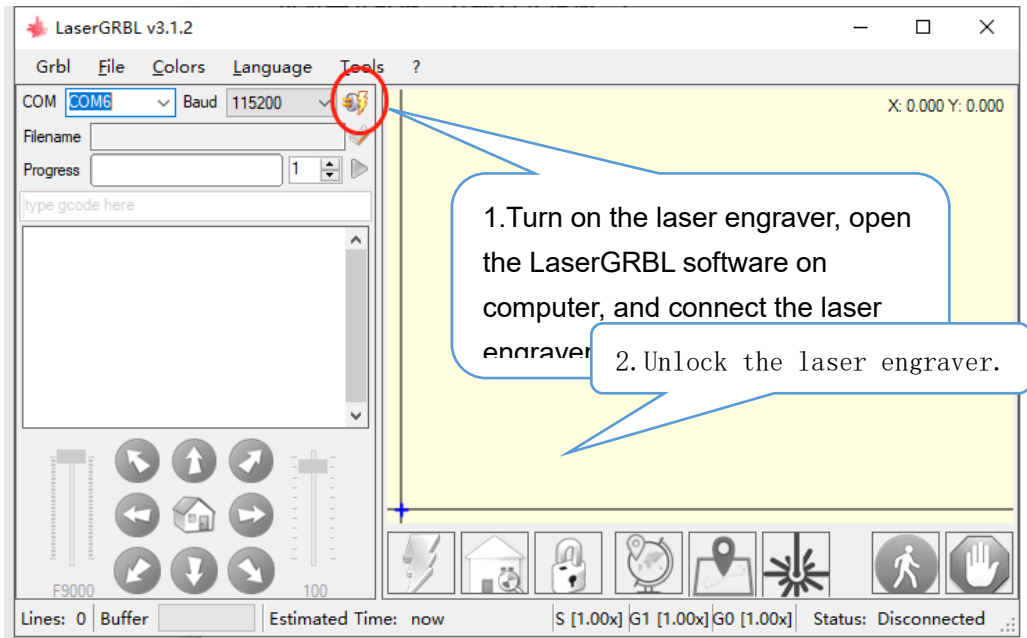


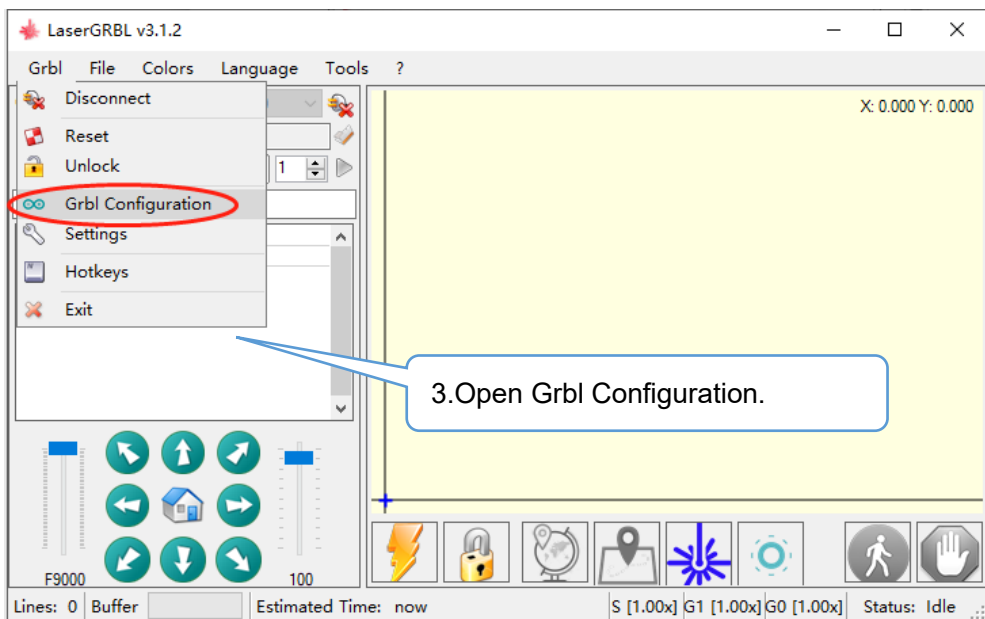


The distance between the two rollers can be adjusted according to actual needs


Setting Procedure

Turn off the Automatic Home function. (Please skip this step if your laser engraver does not have this function.)






Grbl ## configuration					
#	Parameter	Value	Unit	Description	
0	Step pulse time	20	microseconds	Sets time length per step. Minimum 3usec.	
1	Step idle delay	50	milliseconds	Sets a short hold delay when stopping to ...	
2	Step pulse invert	0	mask	Inverts the step signal. Set axis bit to ...	
3	Step direction invert	0	mask	Inverts the direction signal. Set axis bi...	
4	Invert step enable pin	0	boolean	Inverts the stepper driver enable pin sig...	
5	Invert limit pins	0	boolean	Inverts the all of the limit input pins.	
6	Invert probe pin	0	boolean	Inverts the probe input pin signal.	
10	Status report options	1	mask	Alters data included in status reports.	
11	Junction deviation	0.050	millimeters	Sets how fast Grbl travels through consec...	
12	Arc tolerance	0.002	millimeters	Sets the G2 and G3 arc tracing accuracy b...	
13	Report in inches	0	boolean	Enables inch units when returning any pos...	



4. Change the value here to 0, to turn off the Automatic Return to Origin function.



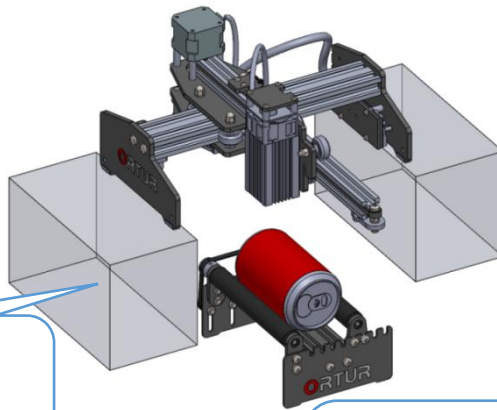
5. Write data to the main board.



6. Close the window.

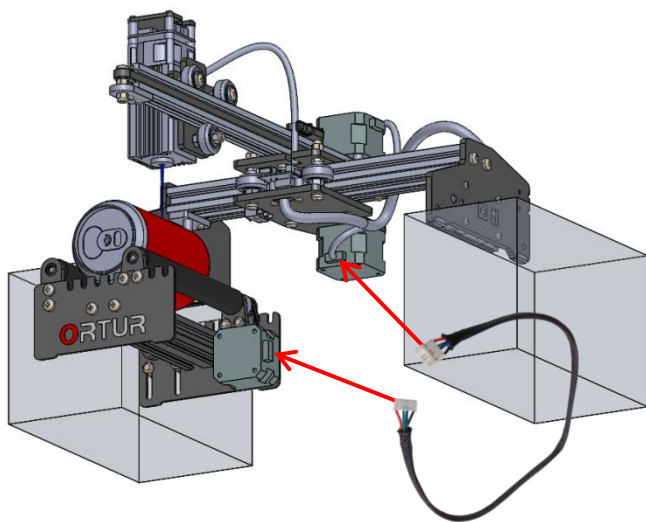
1. The installation method for marching with cantilever laser engraver :

1.1. Place the subject as shown in the figure below, and connect with the laser engraver by a 500MM extension cable.



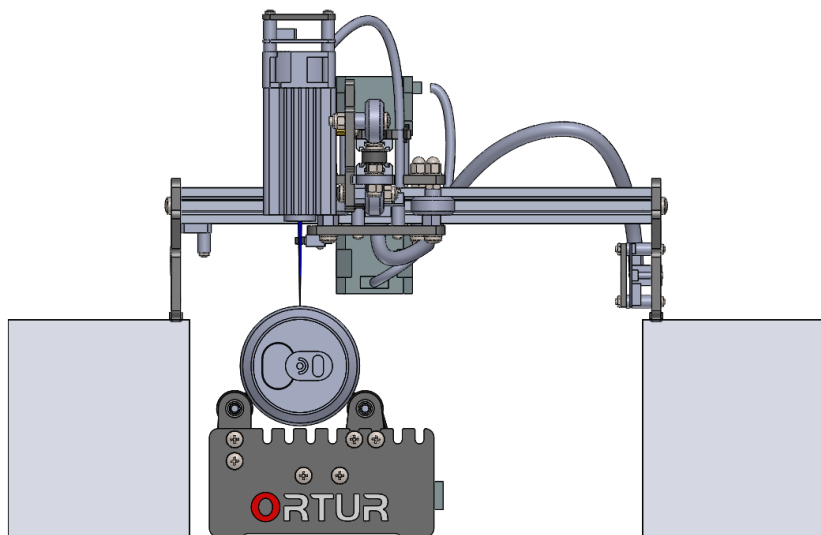
Heighten the laser engraver according to the height of the object.

Unplug the Y Motor Cable, and connect this Y Motor Cable and the Y-axis Rotary Roller by the extension cable



1.2. Adjust the position and laser focus, then start engraving.

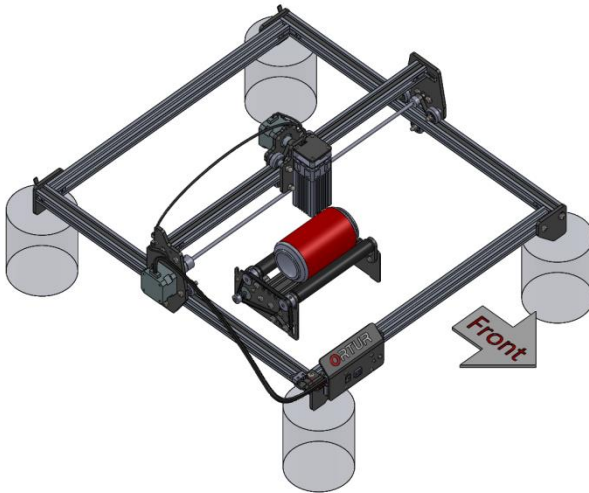
WARNING: Must wear eye protection (Laser goggles) before operating laser !!!



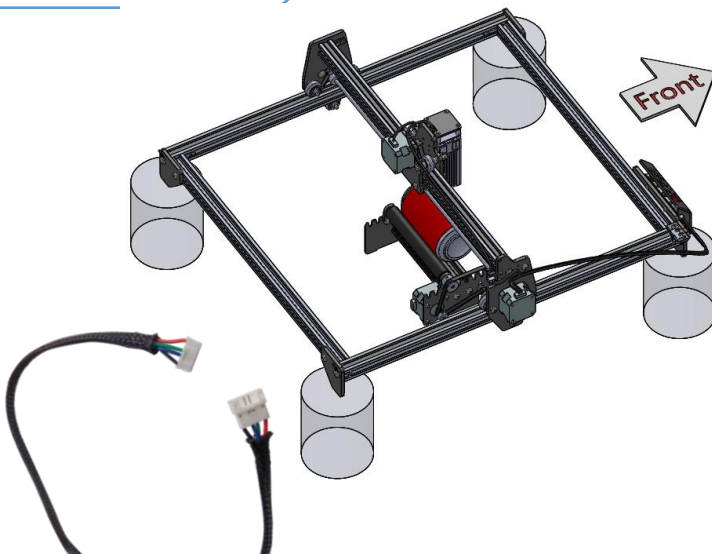
with

2. The installation method for marching with frame laser engraver :

2.1. Place the subject as shown in the figure below, and connect with the laser engraver



Heighten the la
engraver according to the
height of the object.





Unplug the Y Motor Cable, and connect this Y Motor Cable and the Y-axis Rotary Roller by the extension cable

2.2. Adjust the position and laser focus, then start engraving.

PS. DO wear eye protection (Laser goggles) before operating laser !!!

The laser spot should be aligned with the apex of the cylinder object.

