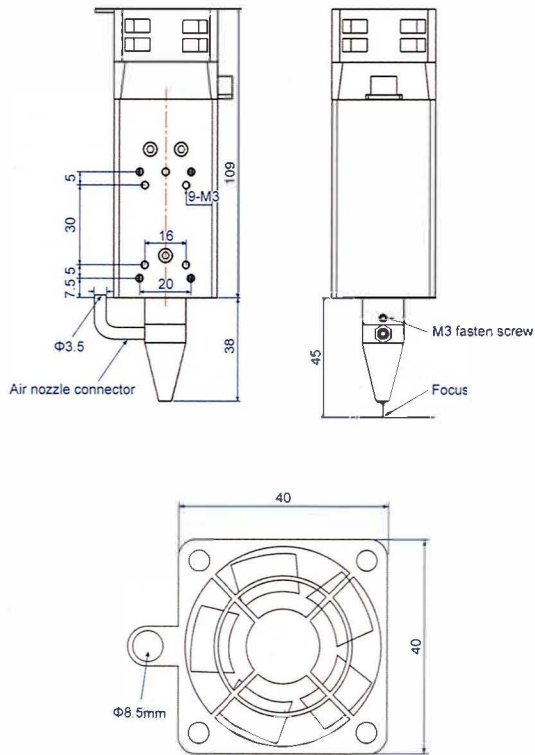


Outline dimension (Unit: mm)



Standard configuration




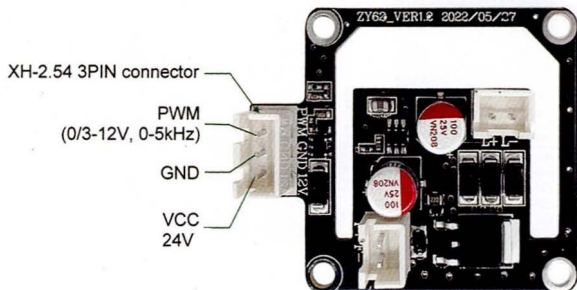
Air pump suggestion:


- Air pressure and capacity: $\geq 0.027\text{kPa}$, 27L/min

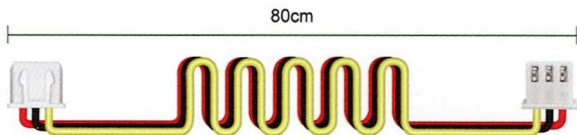
LASER MODULE CONNECTION DESCRIPTION

PIN Definition

 Built-in driver board



 Cable



 Yellow wire: PWM


 Black wire: GND

 Red wire: Power 24V

LASER MODULE REFERENCE SETTINGS

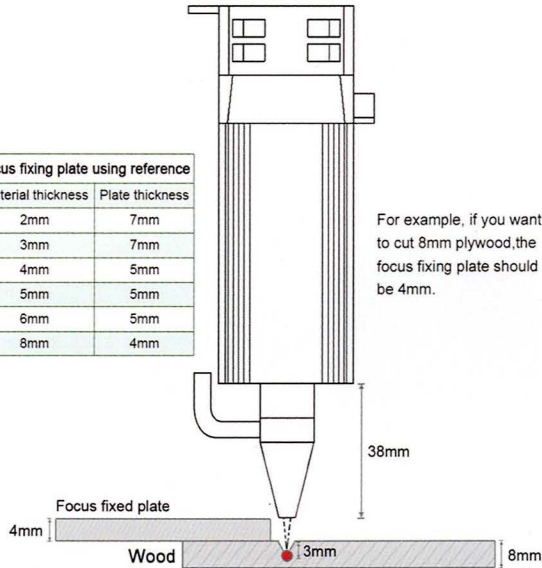
For cutting

The focal length of this laser is 42mm


 When cutting, you only need to make the focus located a bit lower than the surface of materials.

Reference settings for cutting

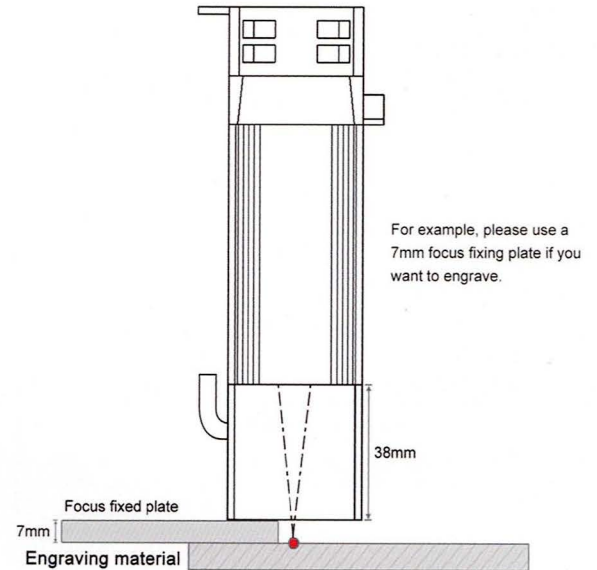
Focus fixing plate using reference	
Material thickness	Plate thickness
2mm	7mm
3mm	7mm
4mm	5mm
5mm	5mm
6mm	5mm
8mm	4mm



For engraving

 When engraving, please ensure that the focus is located on the material surface.

Reference settings for engraving



PRECAUTIONS AND MAINTENANCE

Precautions

- ⚠ Laser can damage a person's skin. Please do not expose your skin directly to the laser.
- ⚠ Please wear laser goggles to protect your eyes when you use this laser module.
- ⚠ Please ensure that the air pump is turned on before you start cutting. If not, the smoke will contaminate the lens.
- ⚠ This laser module doesn't support hot plug, hot plug may cause damage to the laser module.

Maintenance

- ✂ When the laser module is not used for a long time, please ensure that the lens is not polluted by dust.
- ✂ When you replace the air nozzle, please ensure that your operation will not pollute the lens. Finger prints or dust on the lens will weaken the output power of the laser module, or even damage the lens.
- ✂ When you find the cutting ability decreases, the lens might be not clean. Please use a clean alcohol swab to clean it according to the following figure.

