



LT-20W-A

USER MANUAL

Please read the following security statement and notes before using this laser module.

- 1

Laser can damage a person's skin. Please do not expose your skin directly to the laser.
- 2

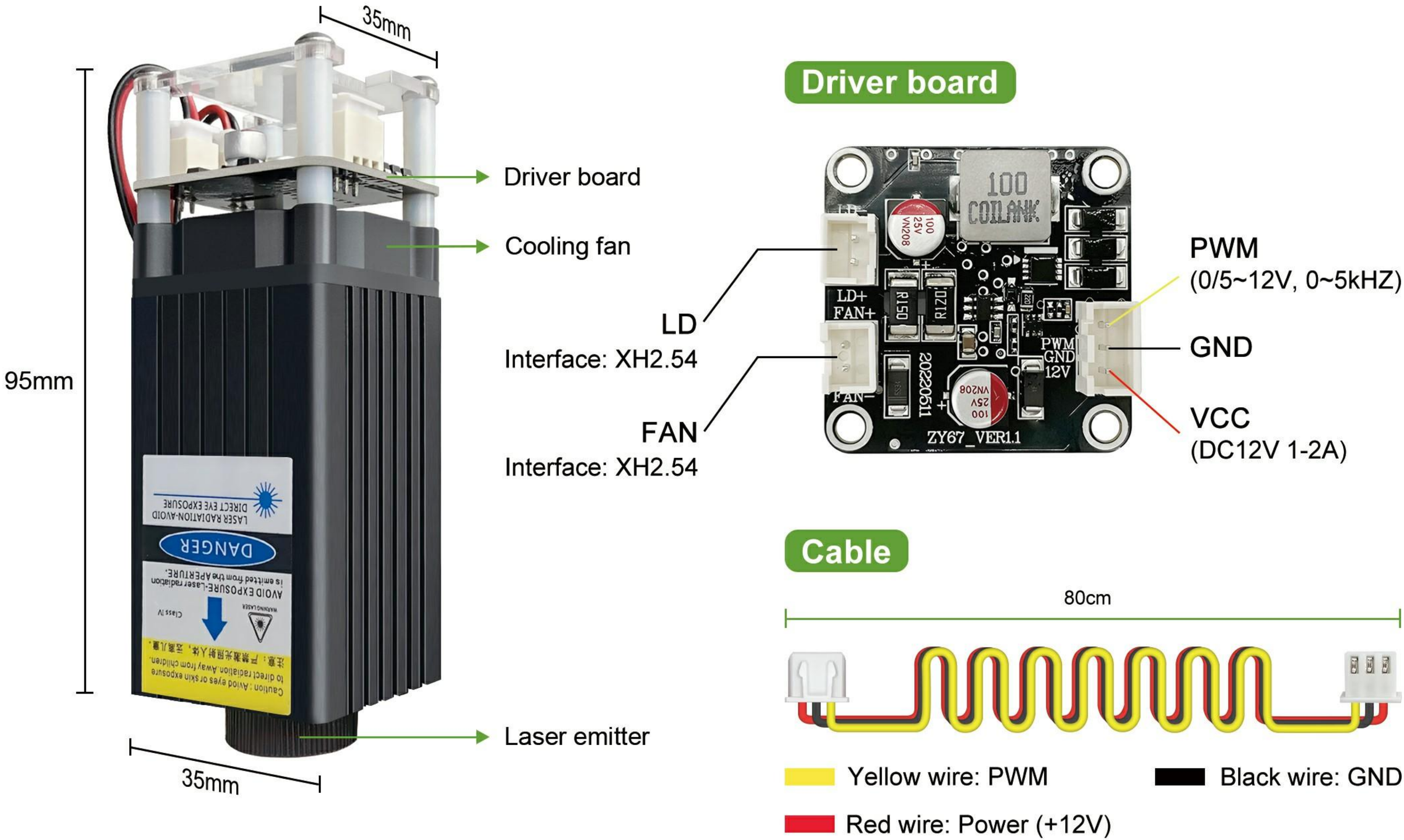
Please wear laser goggles to protect your eyes when you use this laser module.
- 3

This laser module is a laser engraving system component and must be connected to a engraving machine to use.
- 4

This laser module dos not support hot plug as hot plug will cause damage to the laser module.
- 5

When the laser module is not in use, do not connect it to the power supply and keep it in our box.

Introduction



Parameters

Optical power:	4W(±0.5W)	Module size:	35*35*95mm
Input:	12V 1.6A	Module weight:	146g
Wavelength:	450nm(±10nm)	Module material:	Aluminum alloy
Focus length:	Adjustable	Input interface:	XH2.54-3P socket
PWM modulation:	Support 5V PWM modulation	Application:	Engraving / Cutting

Connection

Please check whether the laser module is compatible with your engraving machine before connection.

A. Check the voltage parameter of your engraving machine.

Please use a 12V 1.6A power adapter with this laser module.

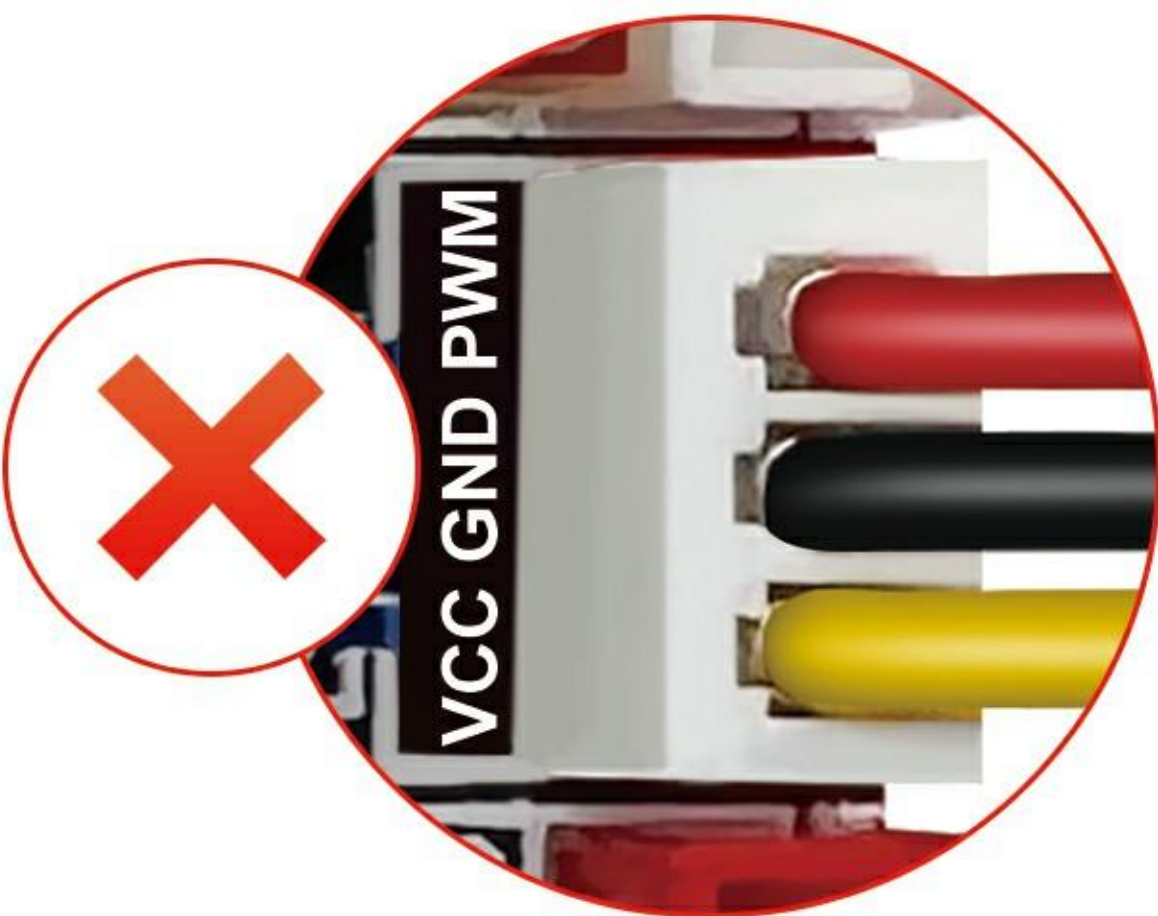
Laser module	Machine	Solutions
12V	12V	Plug and play
12V	24V	Please contact us

B. Check the port of the main control board on your engraving machine.

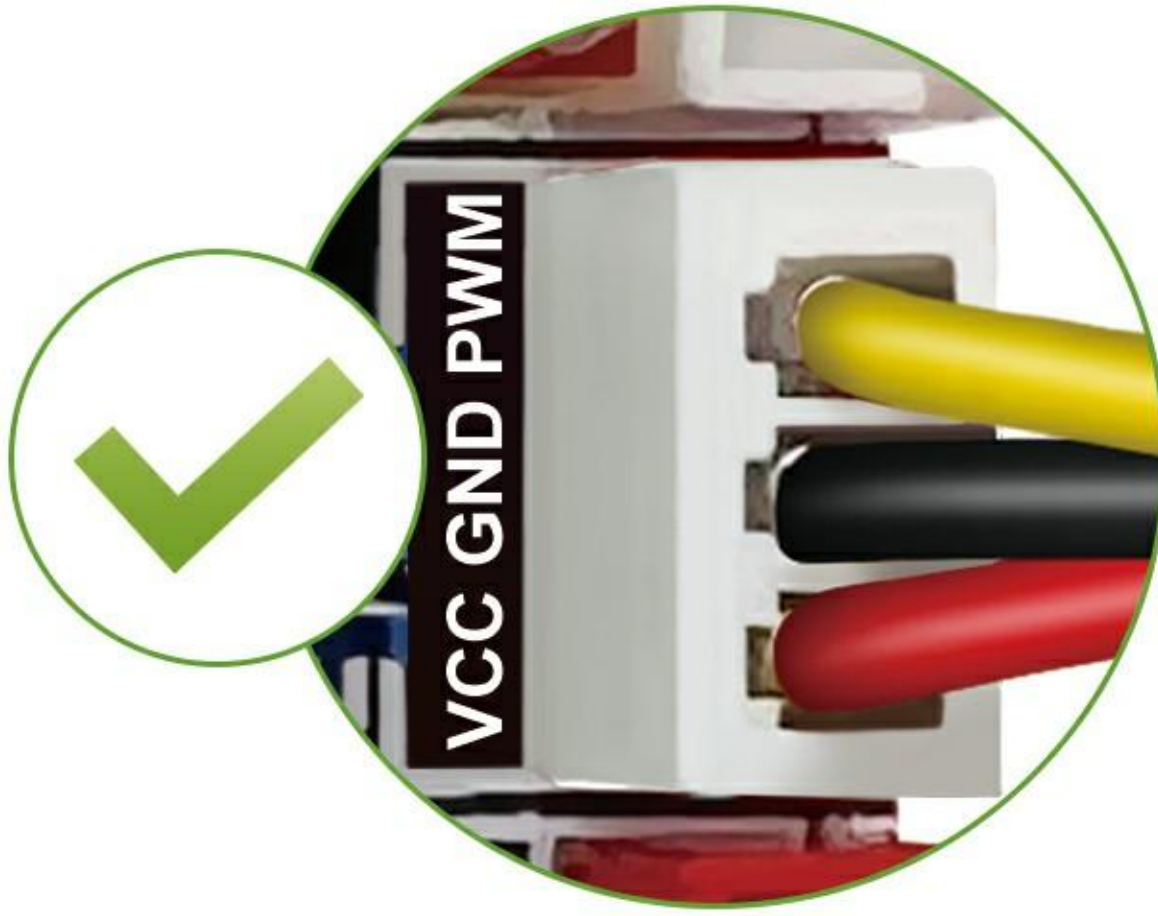
Please locate the PWM port, GND port and VCC port on the main board of your engraving machine. Then connect this laser module to the main board accordingly.

The laser module is a 3PIN input interface. Please check whether the main board on your engraving machine is compatible with this.

Laser module	Machine	Solutions
3PIN	3PIN	- Pin to pin, plug and play. - NOT pin to pin, rearrange wire sequence.
3PIN	Other pins	Please contact us to buy a adapter board.



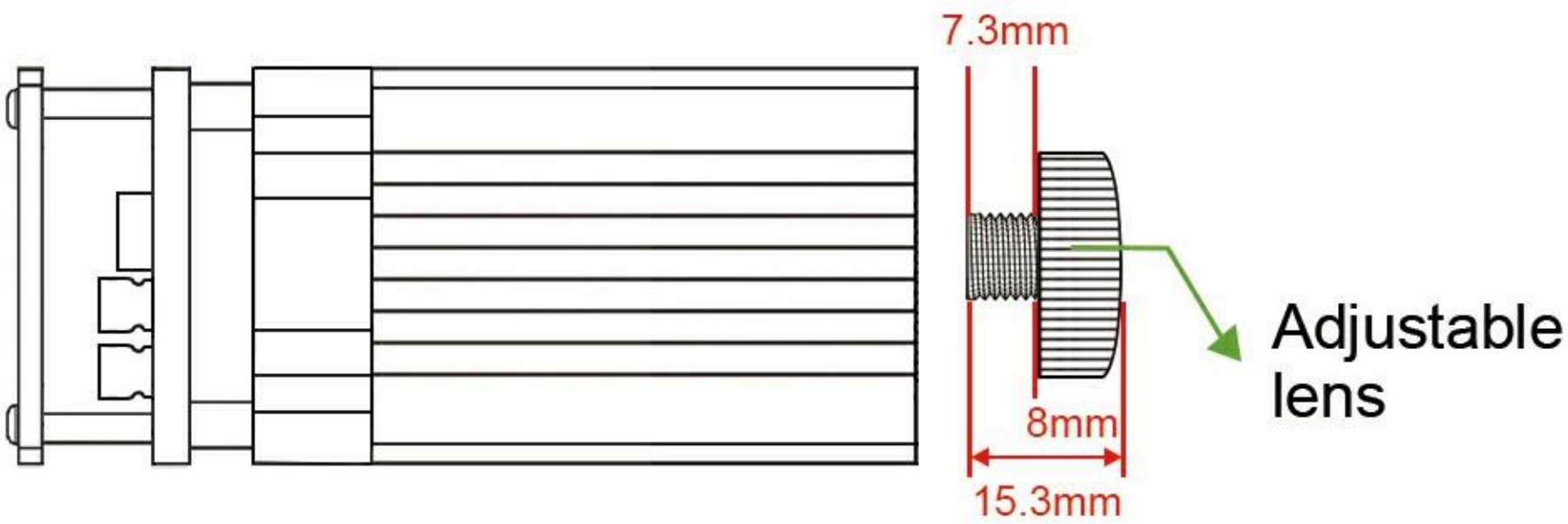
Red wire and yellow wire connection error



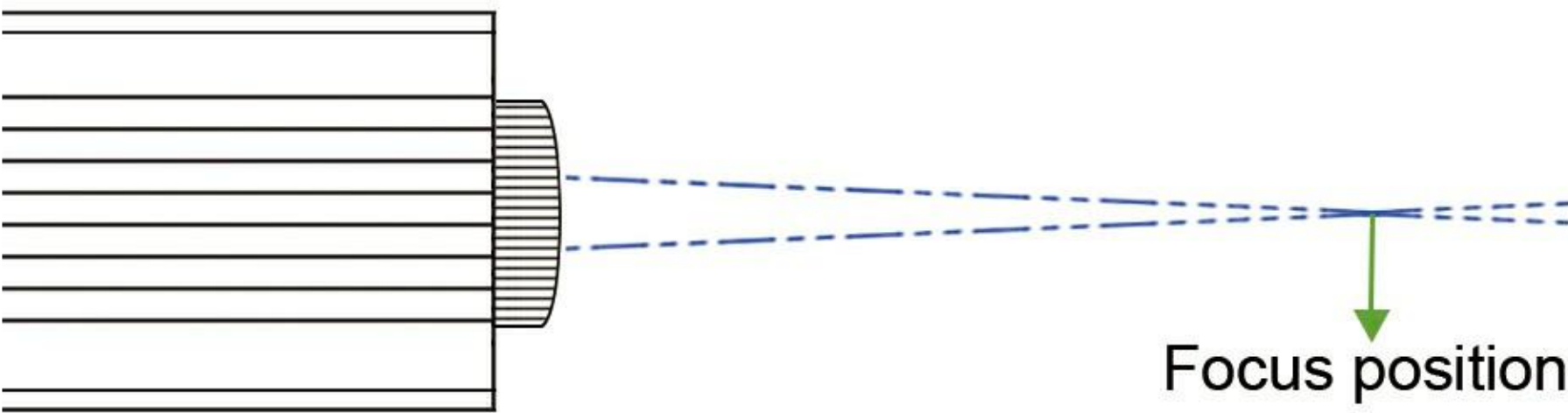
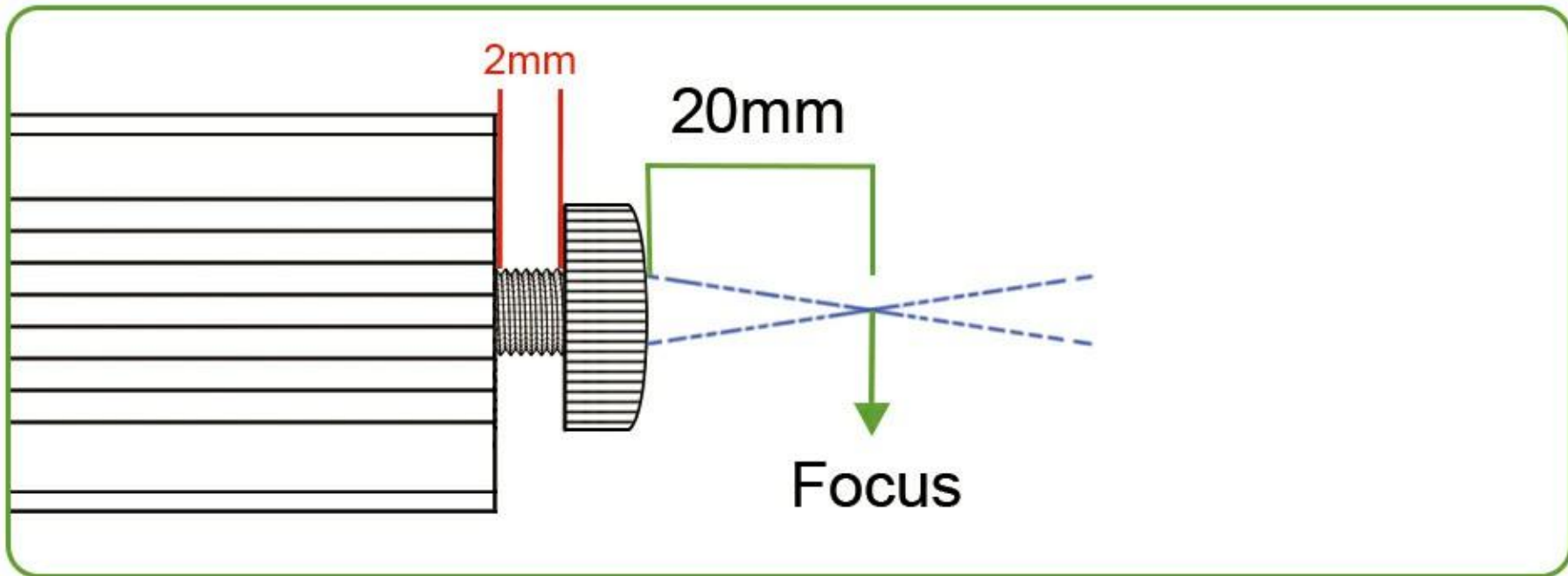
Red wire and yellow wire connection correctly

Setting reference

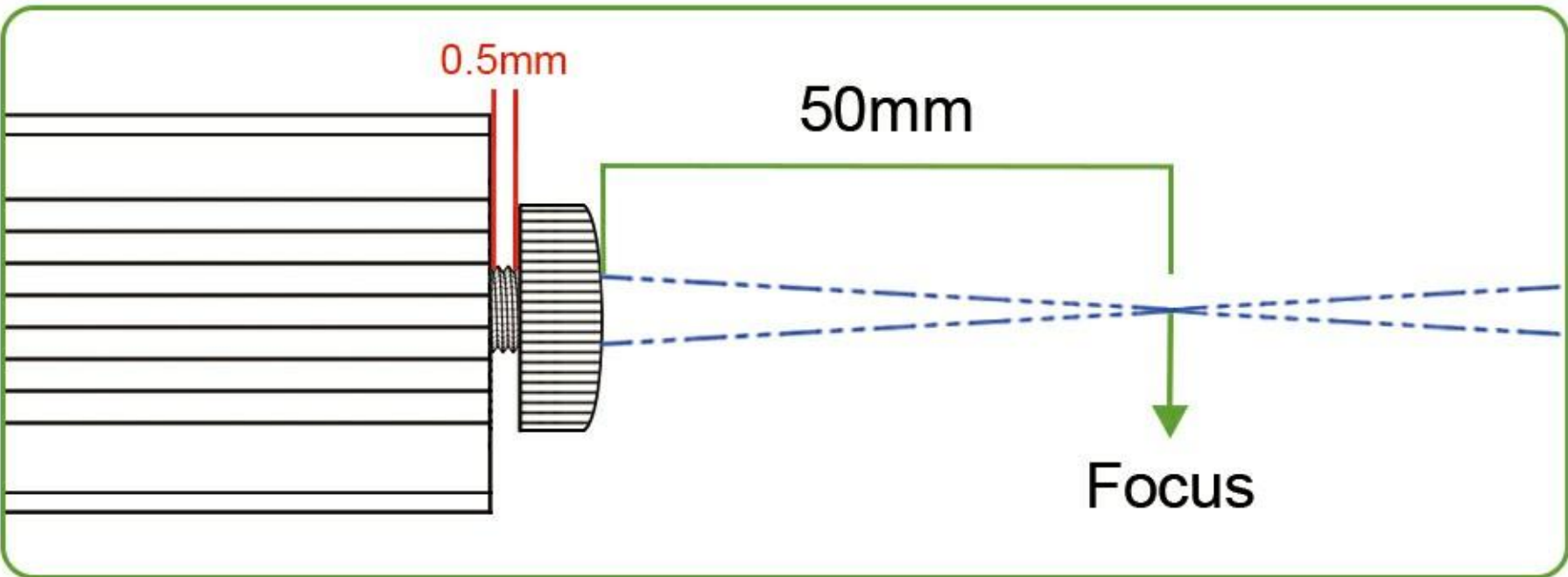
This product is an adjustable focal distance laser module.



Recommended engraving focal length: 20mm



Recommended cutting focal length: 50mm



FAQ

Q When the laser module is connected, the fan runs but the laser is not on.

A **Solutions 1**
Please check if the signal port (PWM) is well matched. If you are not sure which port on the main board is "PWM", please check with the main board merchants.

Solutions 2

- Power off the engraving machine;
- Disconnect the cable of our laser module from the main board;
- Reconnect the laser head to the main board and restart your engraving machine.

* More information about maintenance, please contact us at lasertree@micost-optotech.com