

# FL-1064 installation process

## 1. The main parts of CNI FL-1064 laser



A: laser    B: power supply    C: fan cable  
D: Laser modulation line    E: 12V25A power supply

## 2. Preparation other accessories match with FL laser to assemble marking machine.

Control card:

The signal control CARDS need to provide (PWM +, GND) or (Laser ON , GND) are available.

The galvanometer and galvanometer power supply:

Please use the galvanometer with wavelength 1064nm, clear aperture more than  $\phi$  10mm.

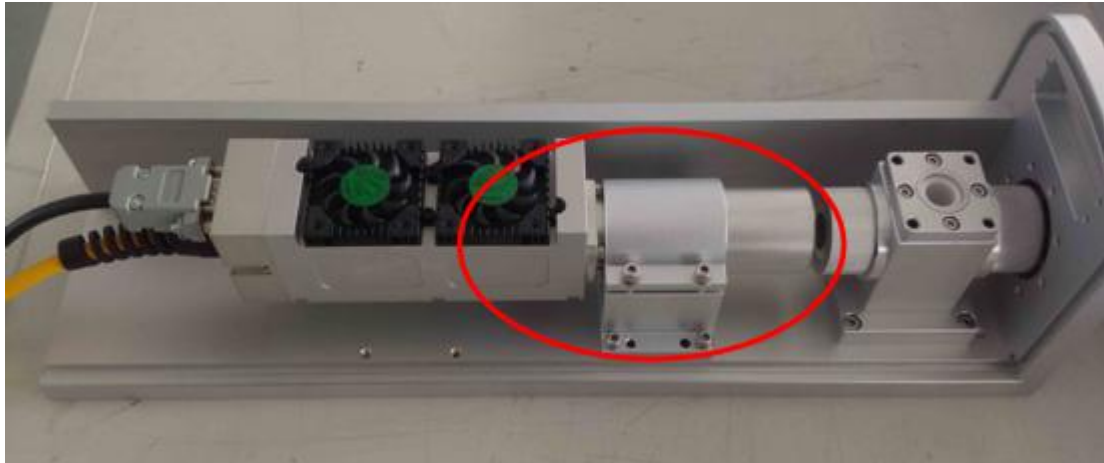
Field lens:

wavelength 1064nm.

Red pilot light:

This laser don't the pilot light inside ,When you install equipment,you need to install pilot light by yourself.

## 3. Connect and fixed the laser

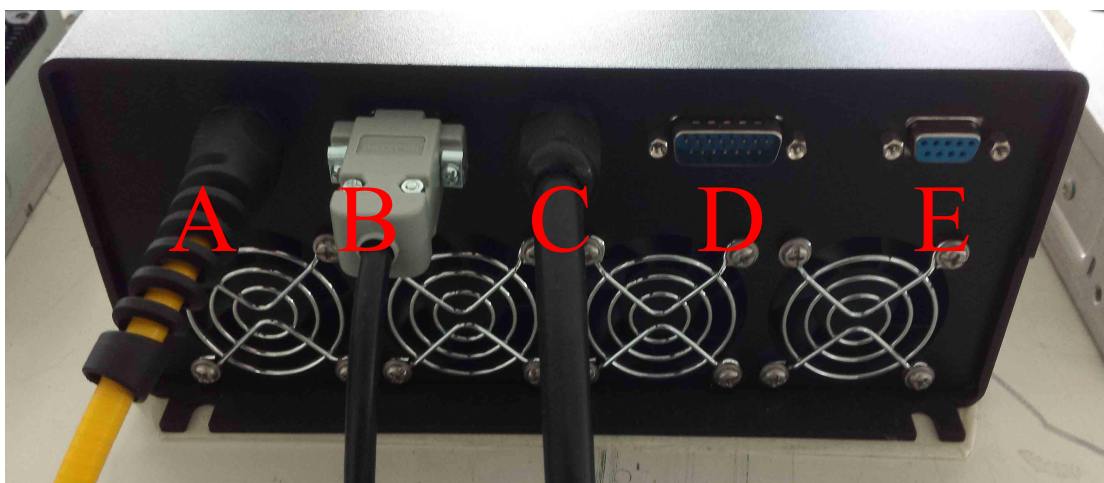


The connection diameter is 34.9mm



Using four fixed holes on the laser to fixed the power supply into right place.

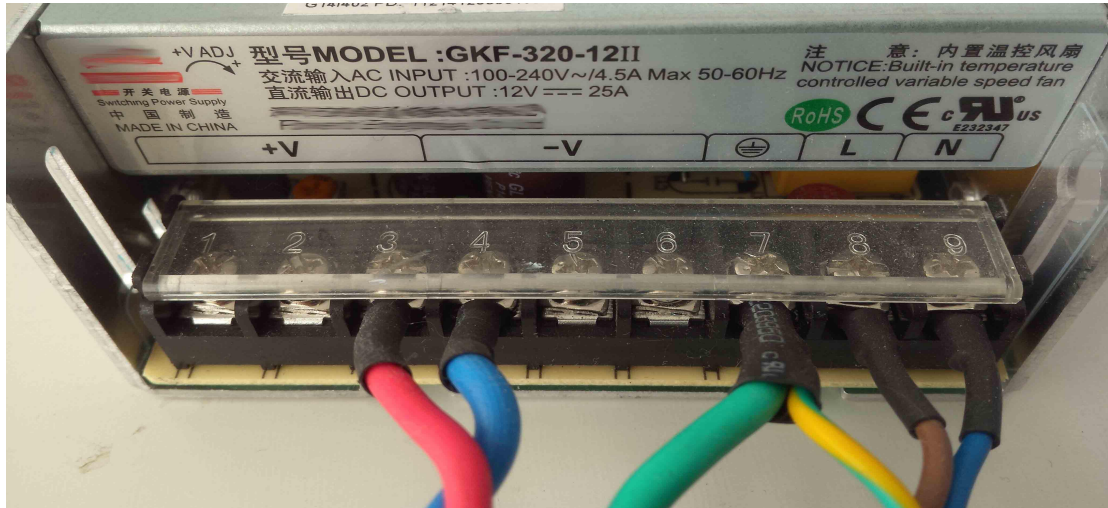
#### 4. The electrical connection in the associated with the laser and the software Settings



A: Power supply connected to the laser head, Used in laser and transmission, not removable.

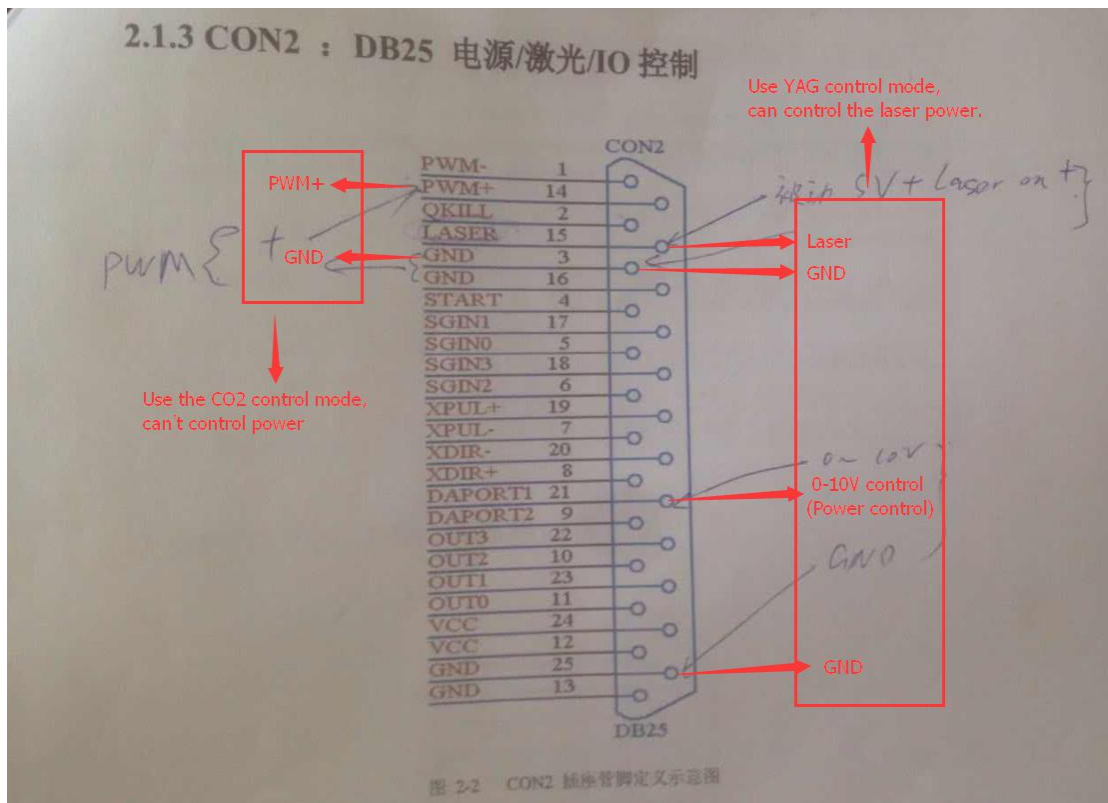
B: Power supply connected to control the fan of laser head..

C: Power supply connected to the 12V 25A switch power supply for laser power supply.



D: Power supply connected to the laser control card, for the modulation signal is used to control the laser output.

Modulation line connect to control card with "PWM +" and "GND" signal, software select "CO2" mode.



E : LED display module to show the LD current of laser.

