5.2.2 Input control port----------

5.2.3 Output control port---s-s--d--------"--d--------"--d--------"--d--------"-----18 " d

5.2.4 baseq

1.2Main function

1.2.1 Design & function

In order to protect the welding position from oxidation, the protective gas should not have any harmful chemical reaction with welding material.
The protective gas must meet the Standard of ISO 8573-1:2010, Class 2.4.3 without impurity particles, water and oil. High purity protective gas will prolong the lifespan of protective window.

2 Technical parameter

Connector type QBH	Max power 1500W
Laser wavelength range 1070Ñ20	Collimating length 50mm
Focusing length 400mm	Swing frequency 0-200Hz
Gas Compressed air	Weight 1.12kg
Adjustable width 0-55mm	

It can be fit with various laser sources.

3. Installation & Connection

3.1 Safety Instructions

Any maintenance or fault survey should be conducted by professional trained personnel who must have got safety training and be aware of the possible danger and safety measure. Users should learn the related safety knowledge and prepare necessary safety devices before using.

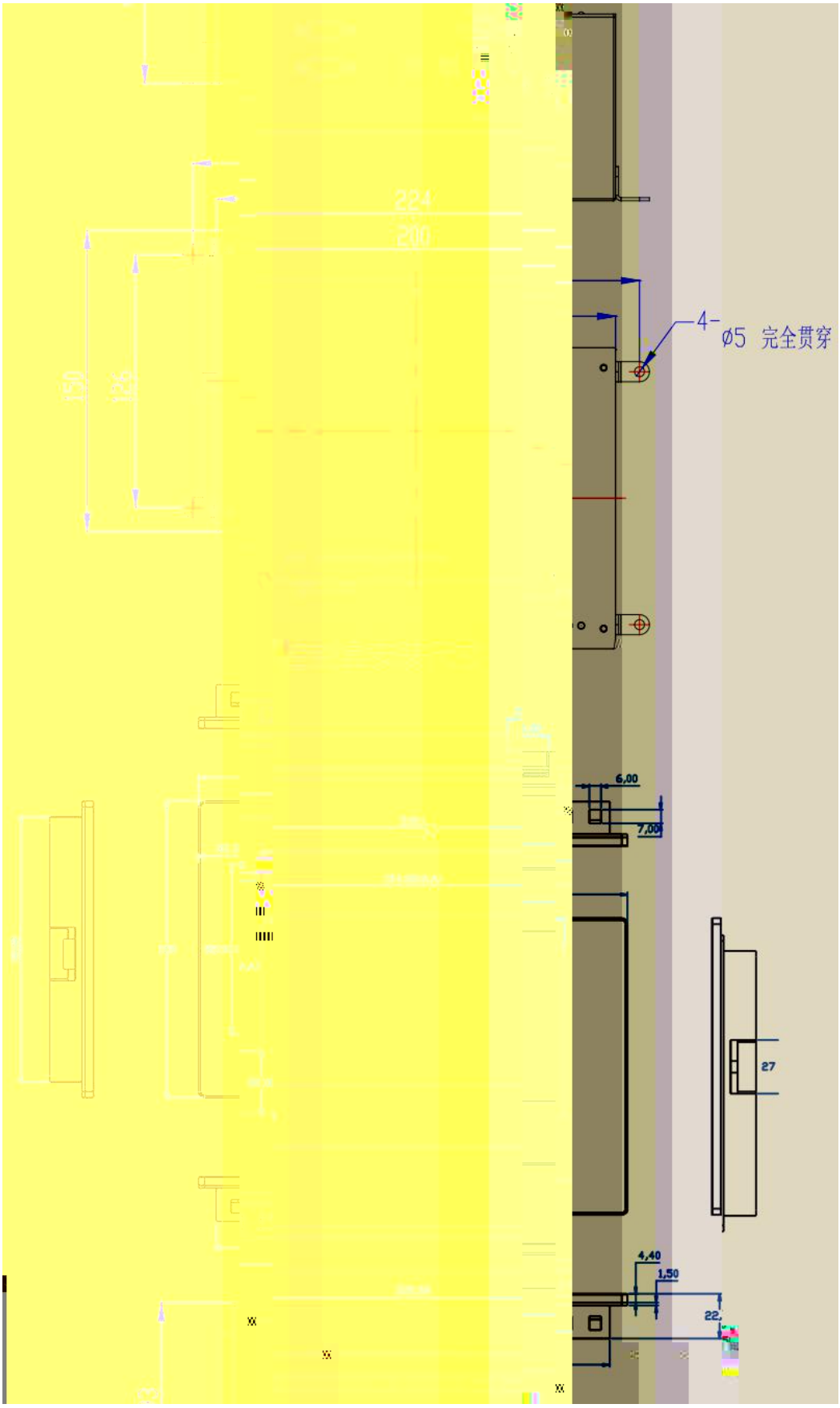




Caution - Hbooob x v



3.5 Structure and dimensions



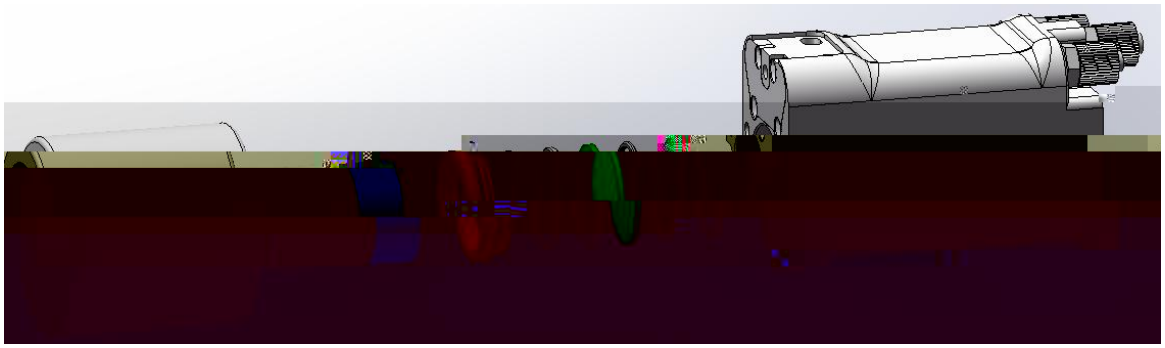
Display mounting dimensions

4 Maintenance

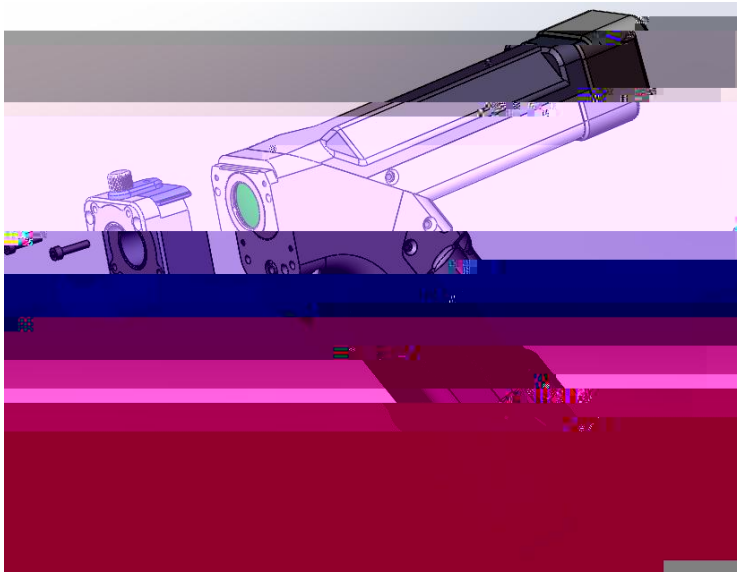
Clean and dust-free working environment is required.
Any laser circuit equipment fitted with a laser head must be carefully dedusted.
Assembly or rem ɣ lgr



S
1 ve 3 sc No .1) n the QB nd remove the QBH module (No.2)
2 M2.5*12 he ws (No.3) in the QBH conversion seat then the whole QBH com ent is separ rom the head
3 Remove the M2.5*12 r hexagon screws .4) in

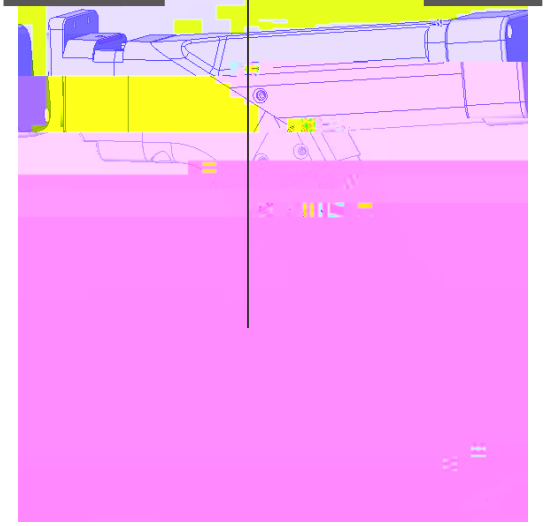


4.4Replacement of focusing lens



Step 1





1.Loosen the protective window screw, remove the protective window module;

2.Remove the pressure ring;

3.Remove the protective

4.6 Routine maintenance

1.Regularly check the protective glasses for no pollution, and replace them in time (daily inspection)

2.Regularly check the QBH connector for loosening (check every 3 days)

3.The connecting line can not have water access, pay attention to the protection interface part; check the water beads in the interface (such as aviation plug).

5.2.1 Laser control port

The position of the indicator starting from this end of the power supply is:

Power Indicator	This light is on when 24V power supply is normal.
Operation light	The light flashes when the input and output enable, otherwl

6. User Interface

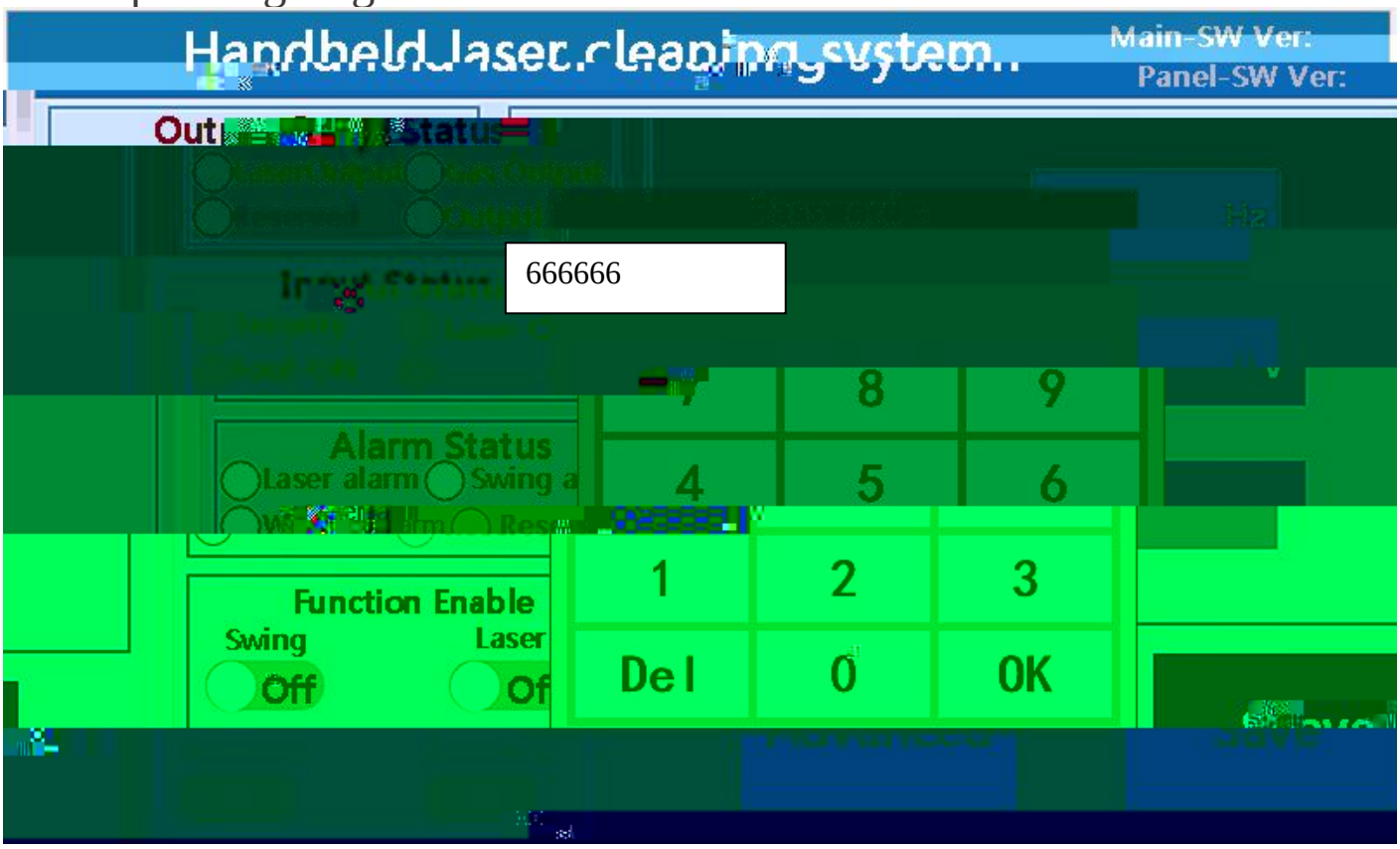
6.1 Main interface

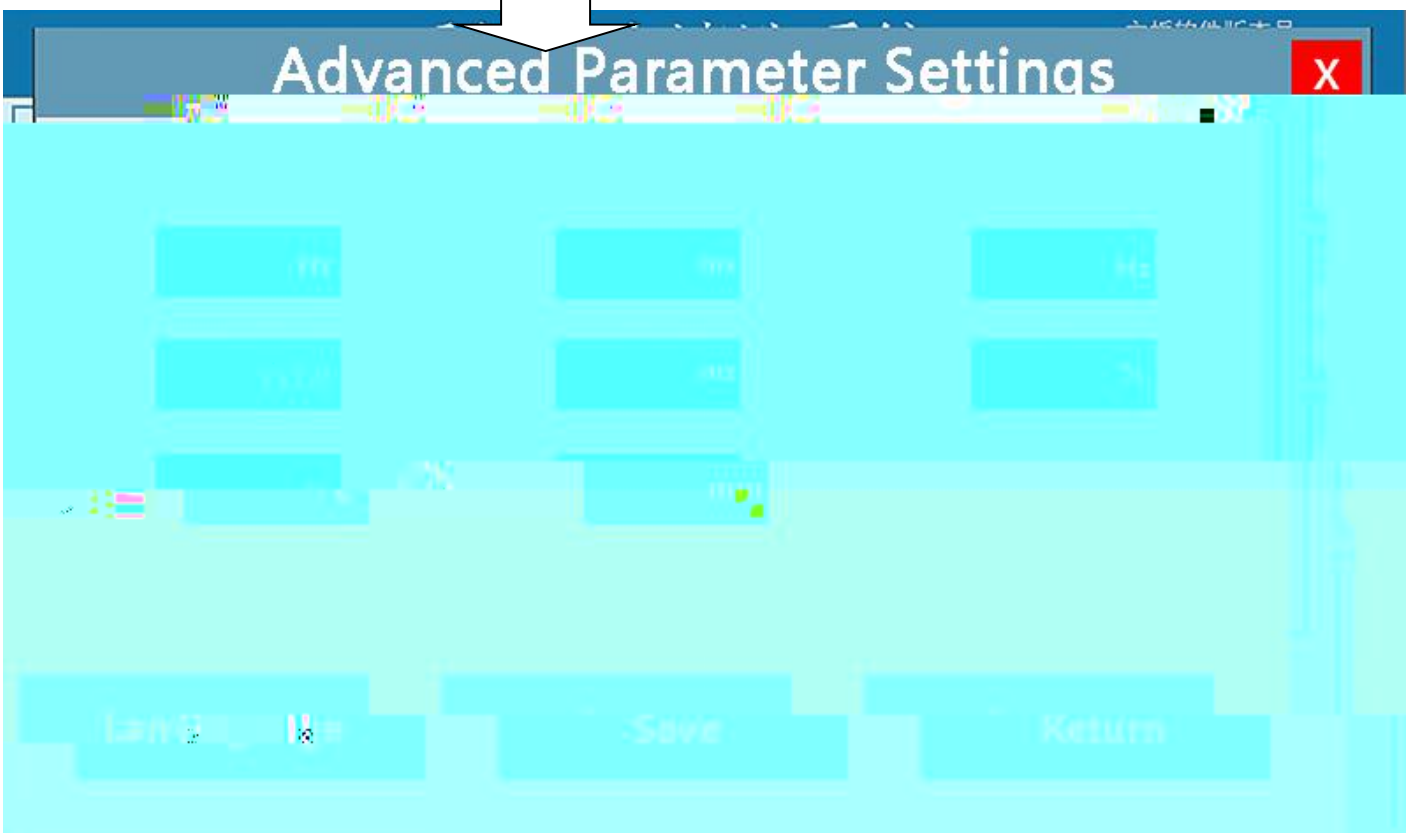


Corresponding English menu



Corresponding English menu:



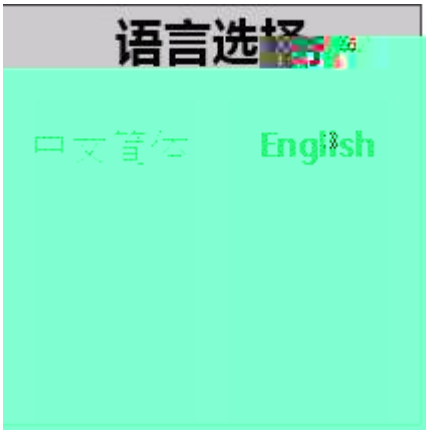


Advanced Parameters menu: Click the "Advanced Parameters" button in the main interface, enter the password input interface, set the corresponding parameters, and click "Save Parameters". Press "Back" to exit the interface.

Maximum swing speed: set the maximum swing speed, up to 250Hz;
Maximum swing coefficient: set the maximum amplitude of the oscillator swing, up to 12;
Laser maximum power: to set the maximum voltage required for the maximum laser power, up to 10v;

Gas on delay: set the delay time to laser output after protective gas output, up to 6000ms;
Gas Off Delay setting the delay time for turning off the gas, up to 6000ms;
Laser center correction: set the red light center position offset;
PWM-Freq Set the laser frequency, up to 10000Hz;
PWM-Duty Set the laser duty cycle, Range: 0~100%;

/Language for switching interface languages; interfaces as follows



Corresponding English menu

