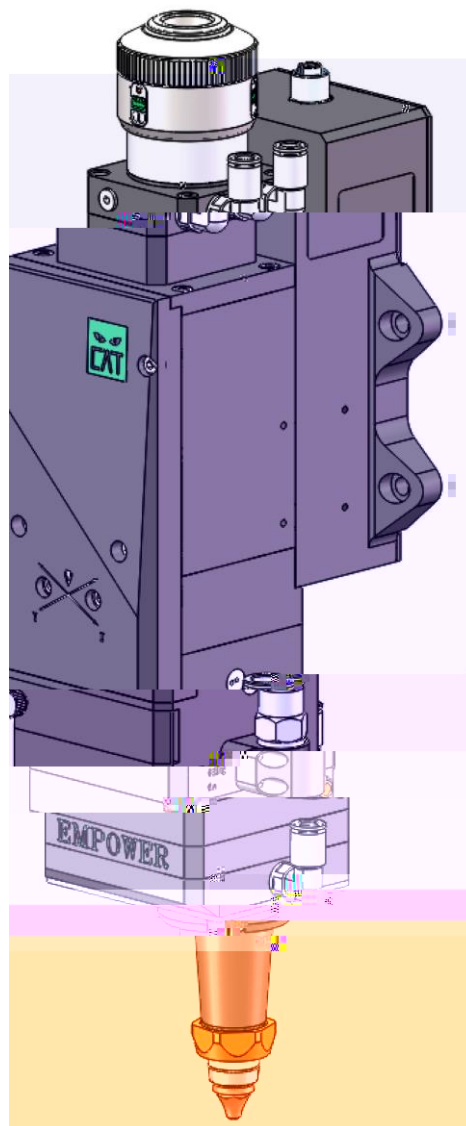


BS03K-CAT 3D

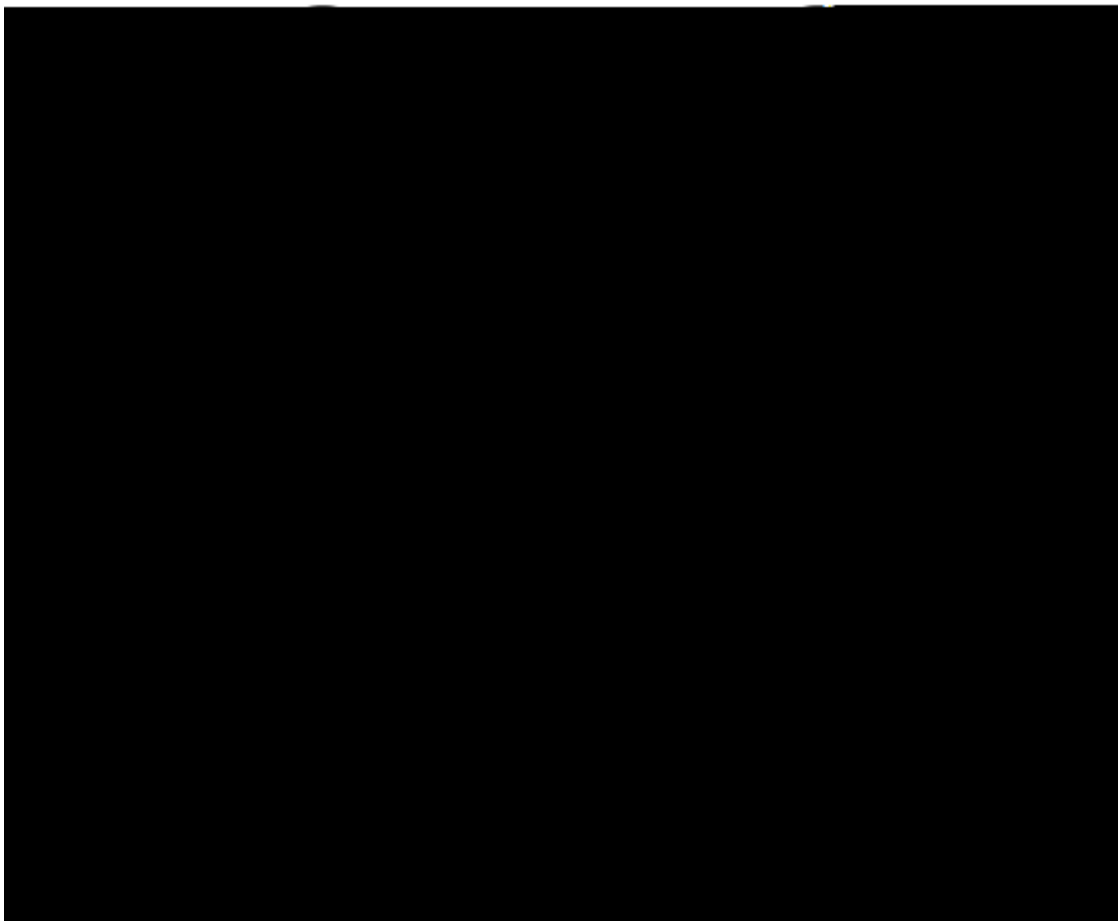


Safety Instructions

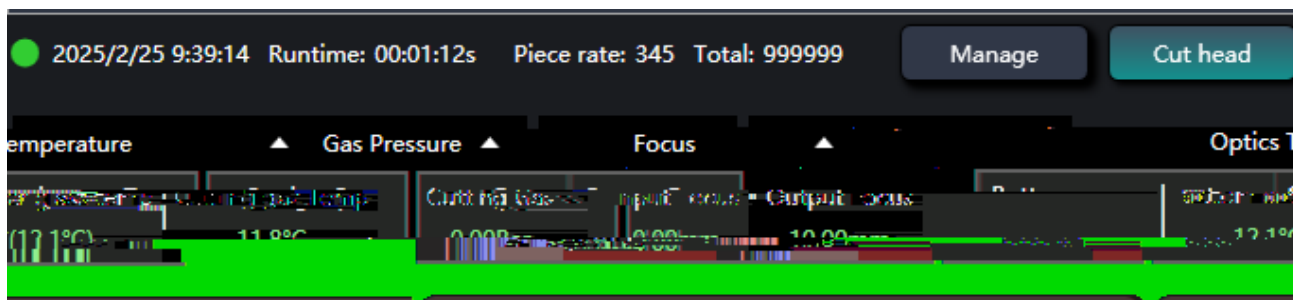
Prevent Electric Shock

1 Product Summary

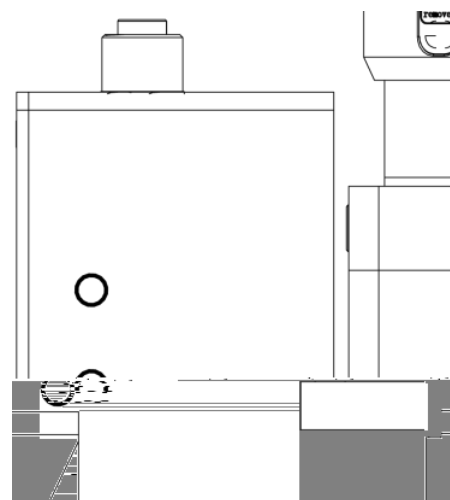
1.1 Structure (with QBH Interface)



1.2 Monitor

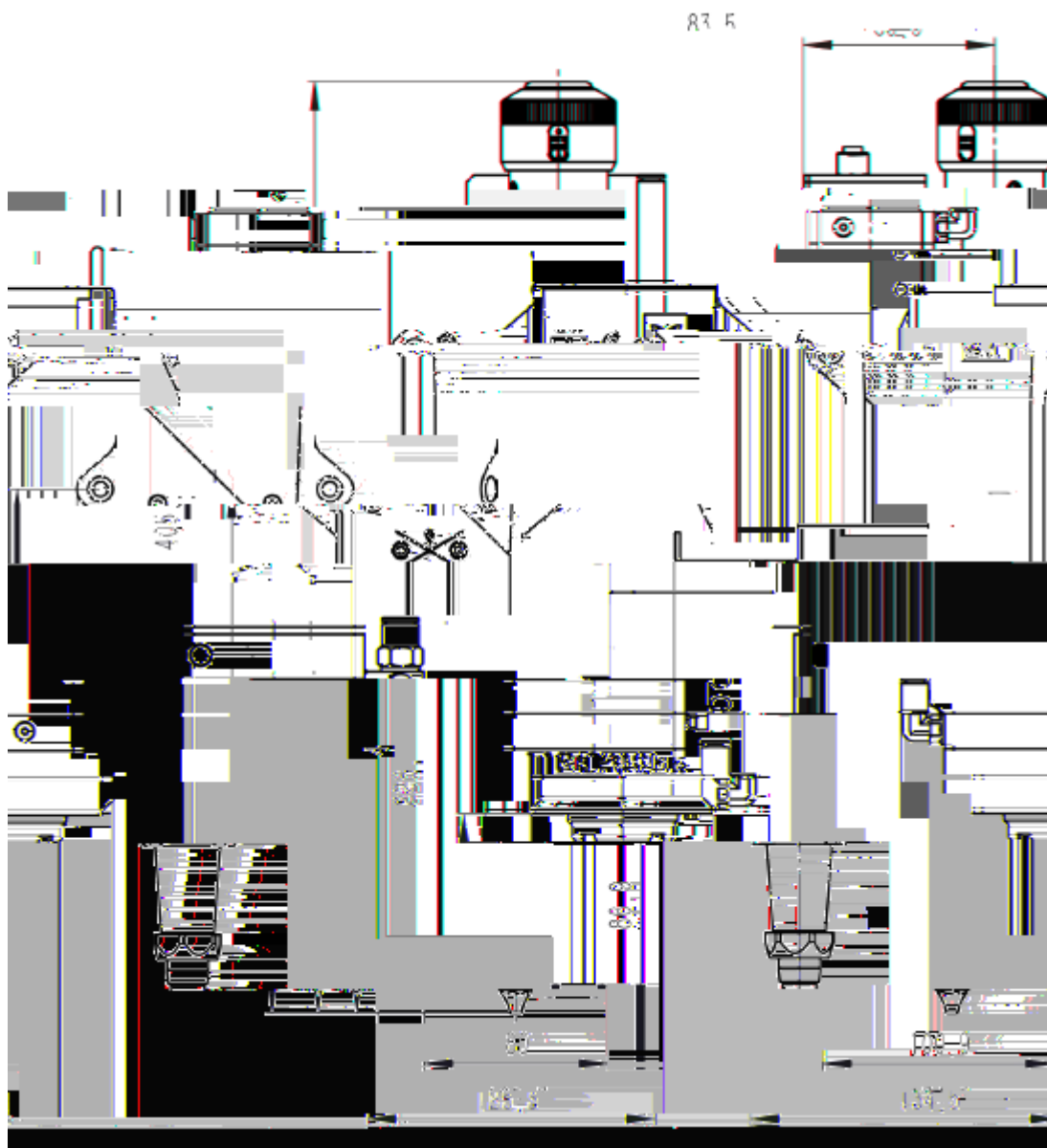


1.3 LED

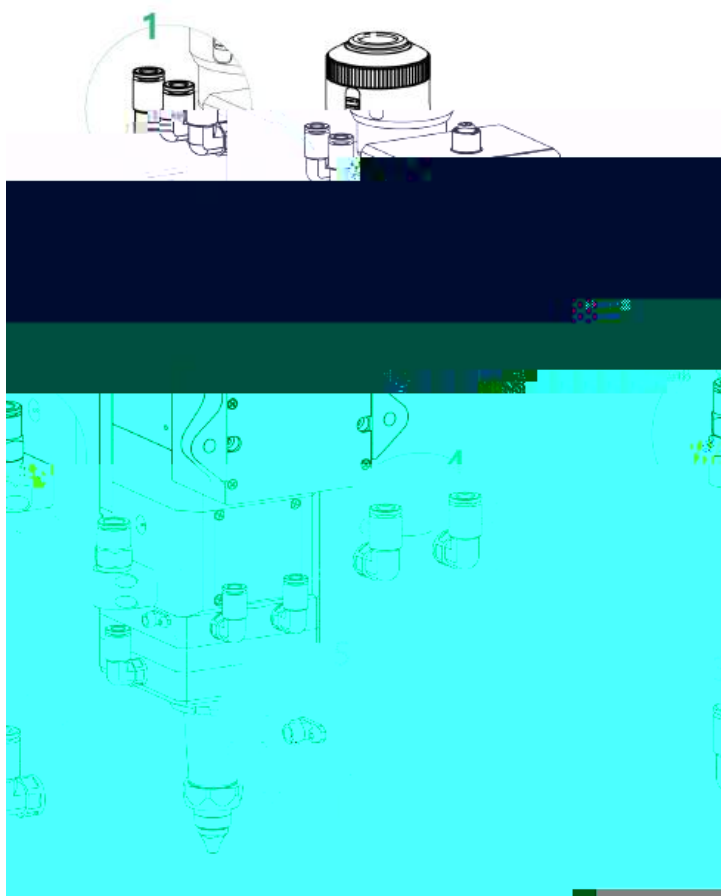


1.5 Mechanical Size

Optical Configuration: 100:200



1.6 Physical Interface

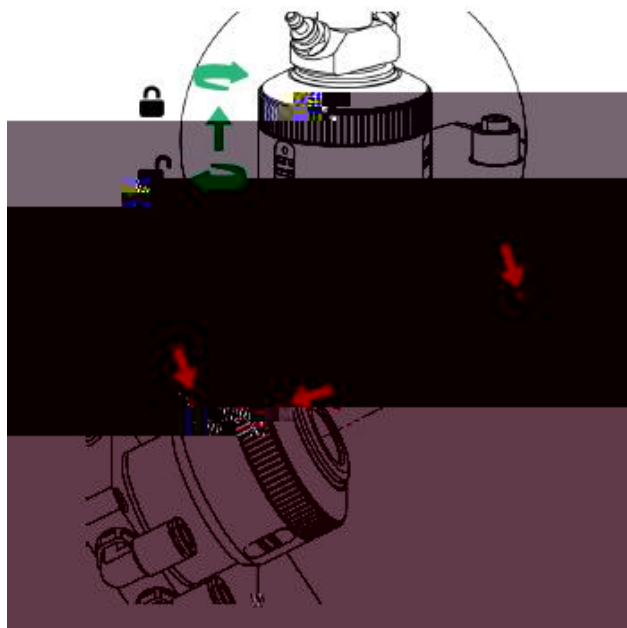


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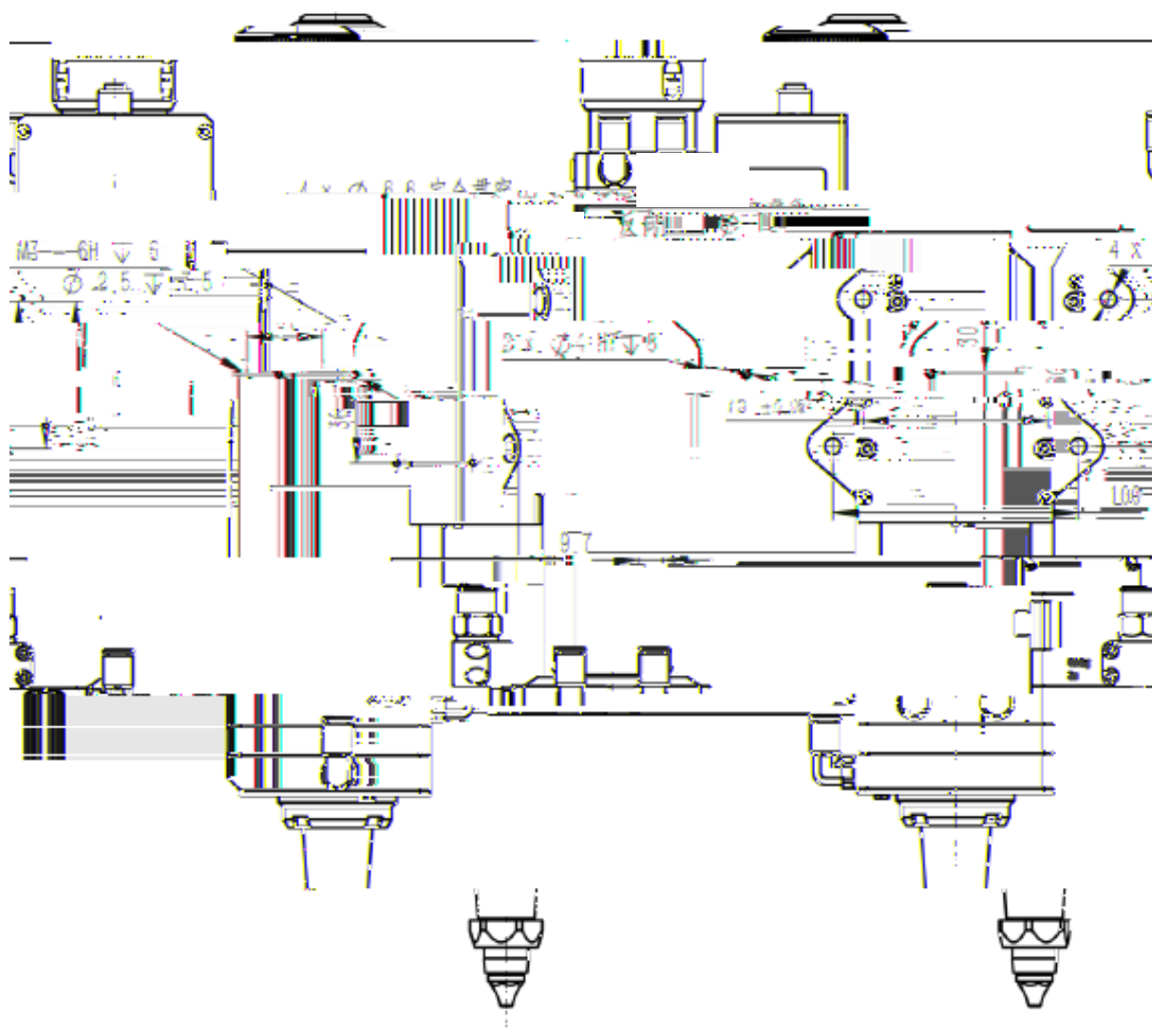
WARNING:

2.1.1

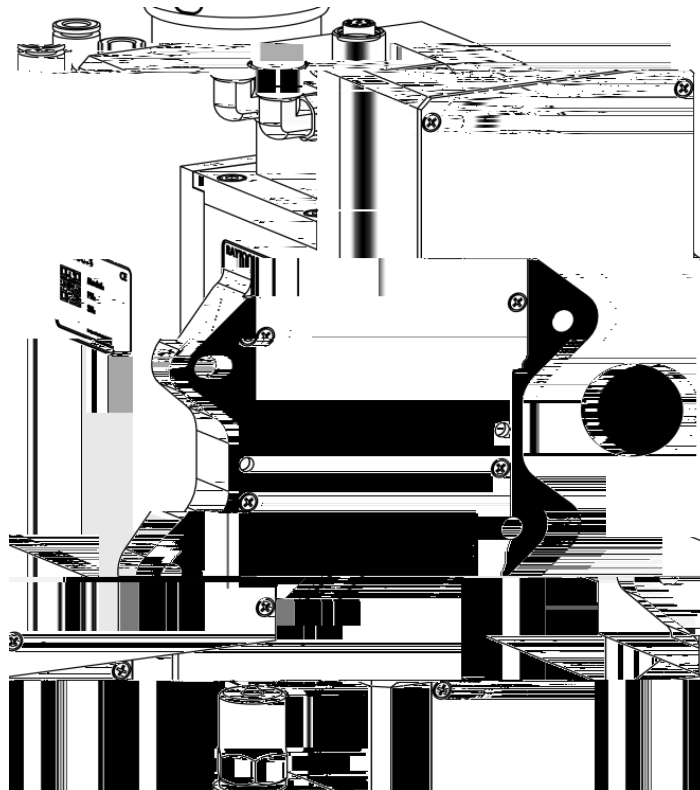


V1.0

2.2 Mounting of Laser Cutting Head

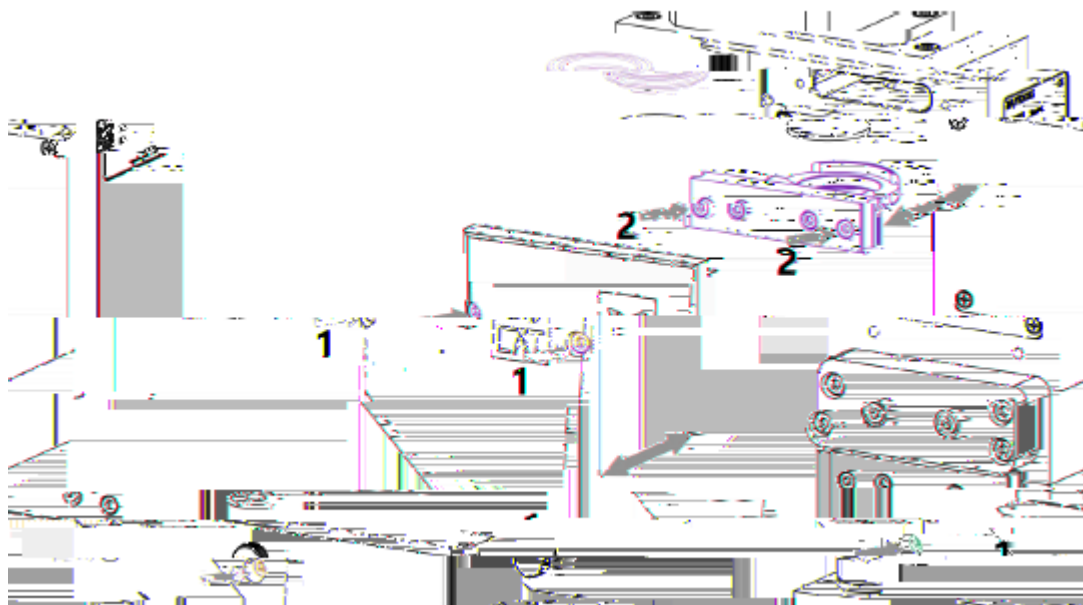


2.3 Earthing of Laser Cutting Head



2.4 Inspection of Top Cover Glass (1st Installation/Replacement of Fiber)

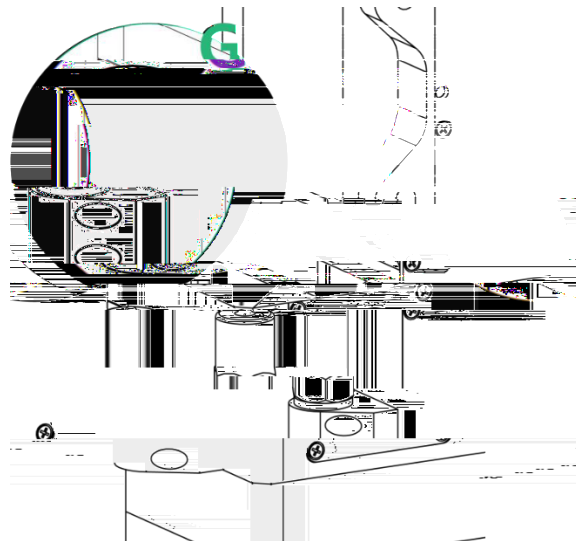
Maintenance or Repair shall be implemented at dust free workstation.



The cover glass shall be replaced if it cannot be cleaned or a damage happens.

2.5 Connection of Cooling Water and Assist Gas

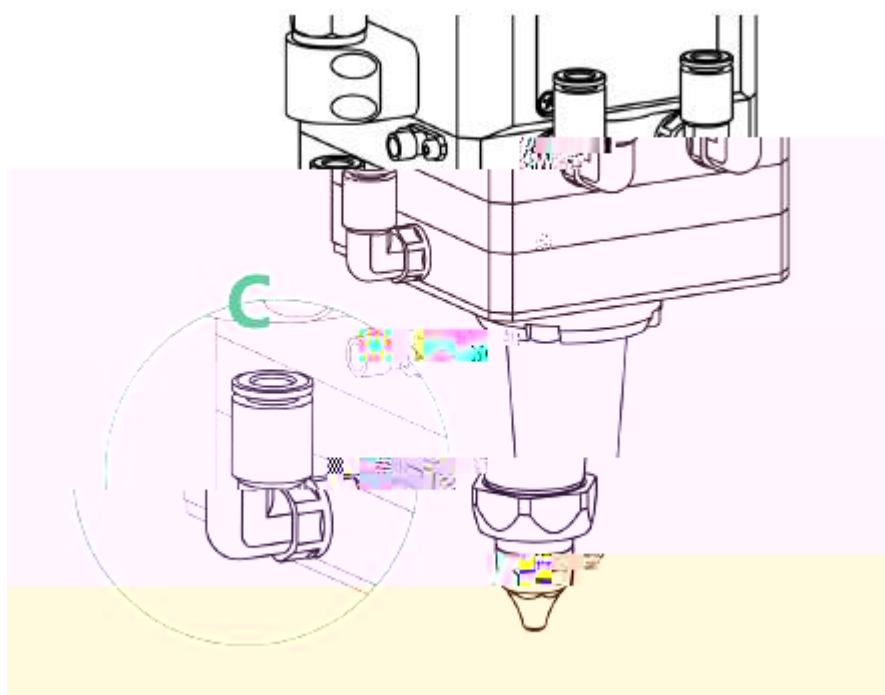
2.5.1 Connection of Cutting Gas



| | | |
|-----|--------|--|
| Gas | Purity | |
|-----|--------|--|

CAUTION: Gas interface cannot be replaced arbitrarily especially do not use PTFE TAPE. Otherwise the gas path will be blocked and cannot do normal cutting which will damage cutting head at the same time.

2.5.2 Connection of Nozzle Cooling Gas



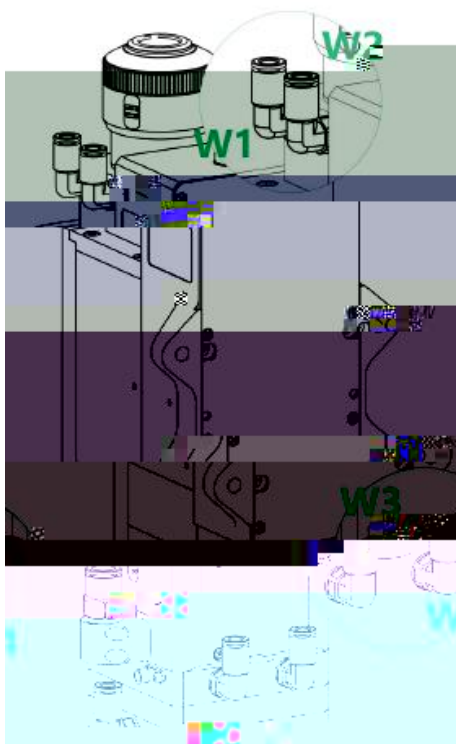
Dried N2 or fine filtered air is recommended for nozzle cooling. The O2 is prohibited for nozzle cooling.

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CAUTION: Gas interface cannot be replaced arbitrarily especially do not use PTFE TAPE. Otherwise the gas path will be blocked and cannot do normal cutting which will damage cutting head at the same time.

2.5.3 Connection of Cooling Water



W1 & W2: cooling pipe of fiber interface

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Laser head

Brand: [Dropdown] Focus adjmt: [Dropdown]

Model: RS03/06/12/20/40/60K-CAT Motor direction: Positive Homing mode: Increment

Speed: 8002 Focus control port/servo: Node 5:调焦Axis

Manual Speed: Manual feed: 0.60m/min

Auto Speed: Speed: 6.00m/min Acceleration: 1500.00mm/s² Acc time: 100ms

Protective mirror alarm temperature setting: Protect TempAlarm Temp alarm: 50.00 °C Temp increase warning: 14.00 °C

OpticalRatioAndVer: OpticalRa...: (1)100:200 ViewFirmwareVerAndCheckPar

Gas Pressure Parameter Setting: Detect gas Deviation allowable...: 70.00 % Deviation allowable...: 20.00 %

Scattered light alarm设置: Scattered light alarm Light threshold: 1950.00

DewPointAlarmSet: Dewpoint Temp000AlarmAndTempdewswVal...

Cavity Alarm Temperature Setting: Cav TempAlarm Temp alarm: 40.00 °C Temp increase warning: 50.00 °C

Restore default data

4 Beam Alignment

5

5.2 Removal and Installation of Lenses

5.2.1 Removal and Installation of Bottom Cover Glass/Protection Glass

5.2.2 Removal and Installation of Middle Cover Glass/Protection Glass



It is not allowed to pull out the edge of seal ring directly as it is very easy to damage the seal ring.
Please wear the clean gloves or fingertips.

5.3 Replace Ceramic Body and Nozzle