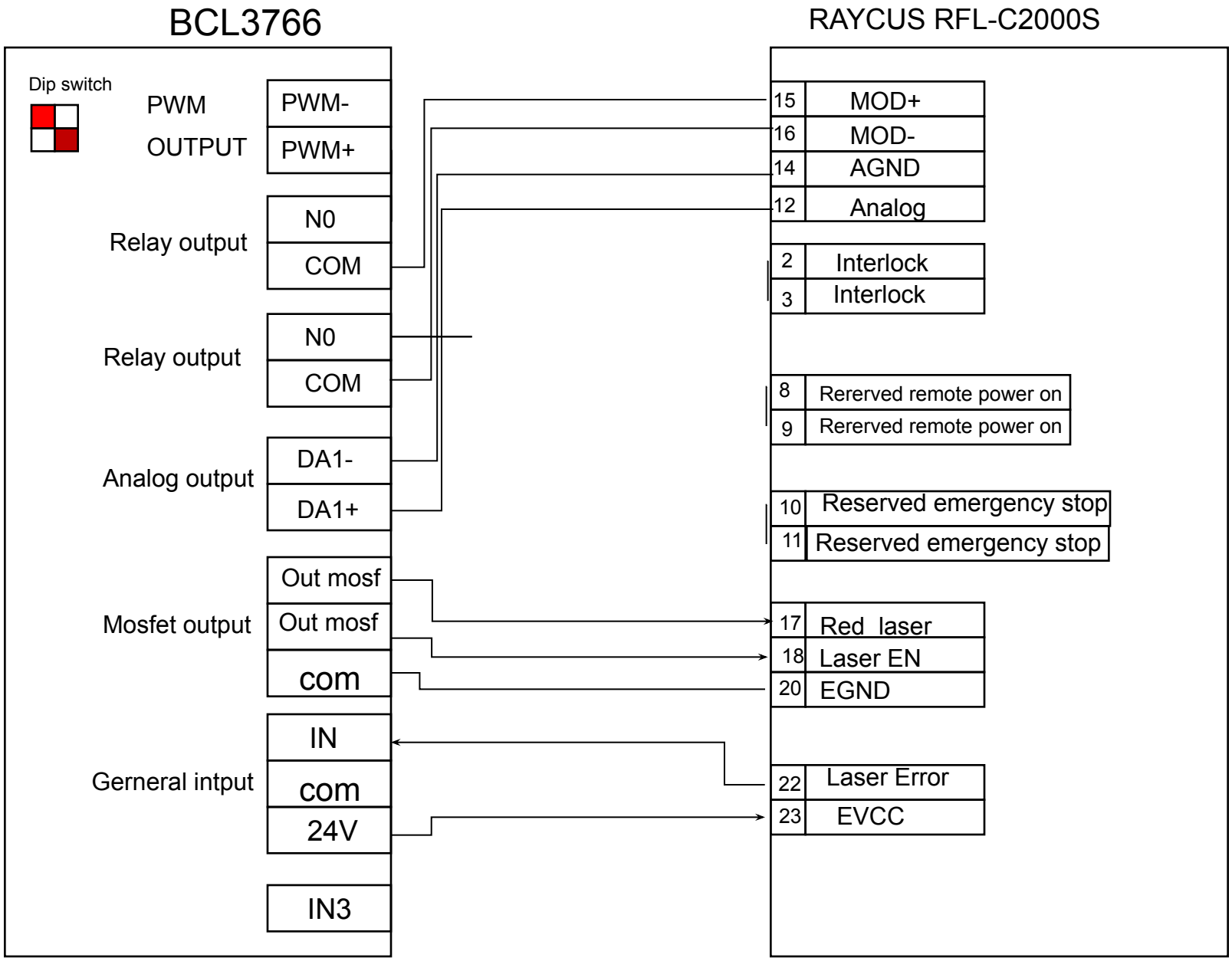
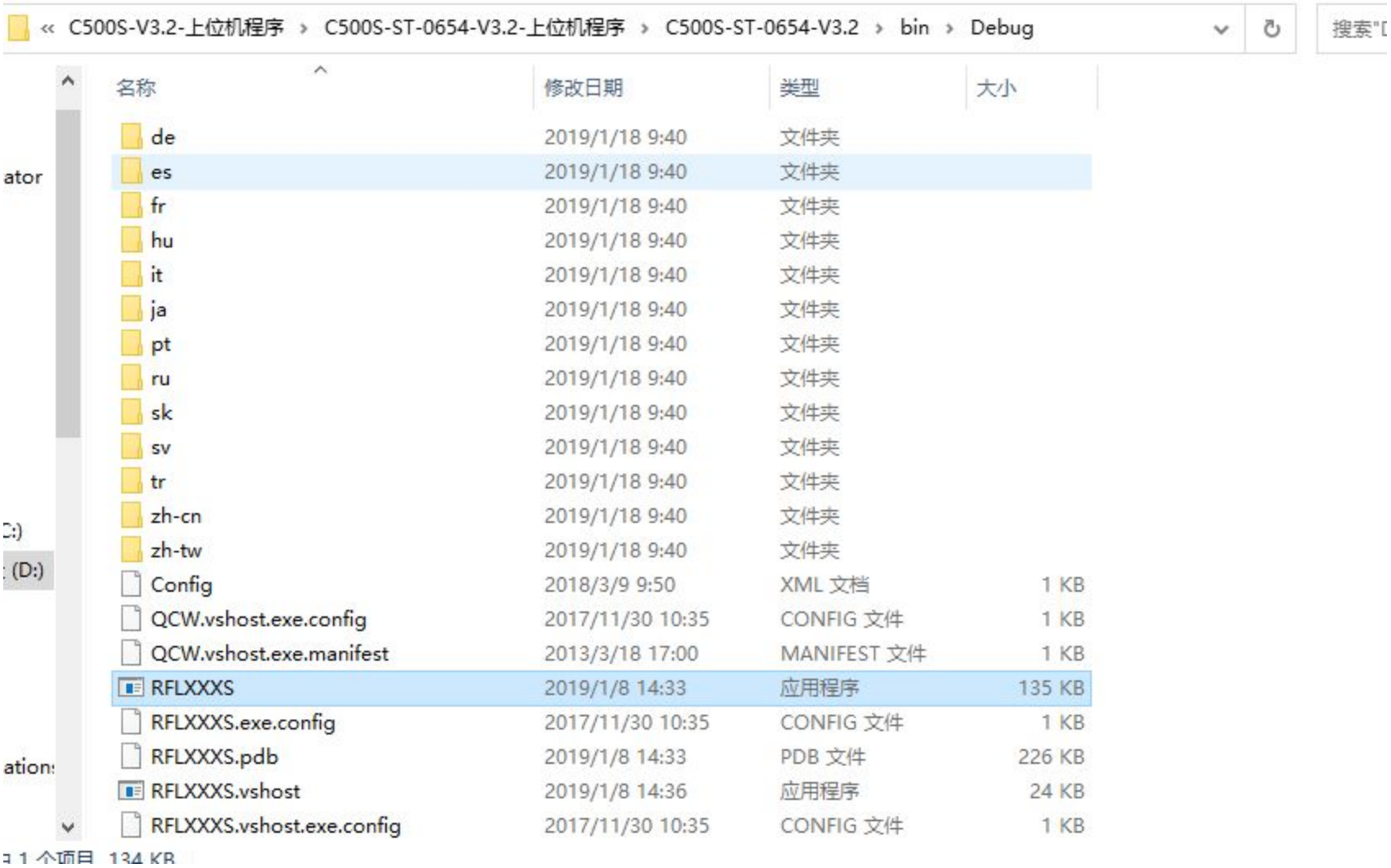
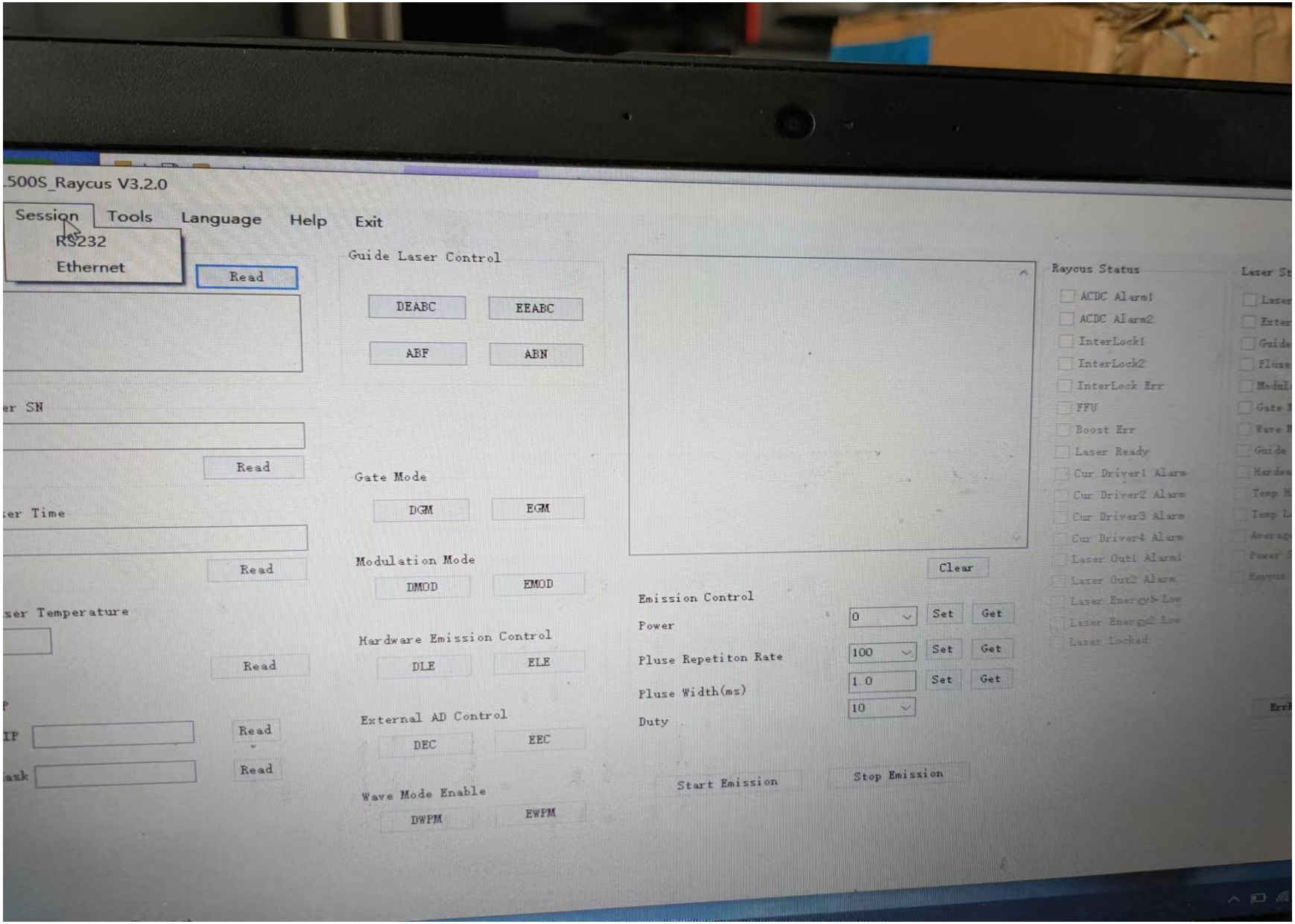
小体积RAYCUS

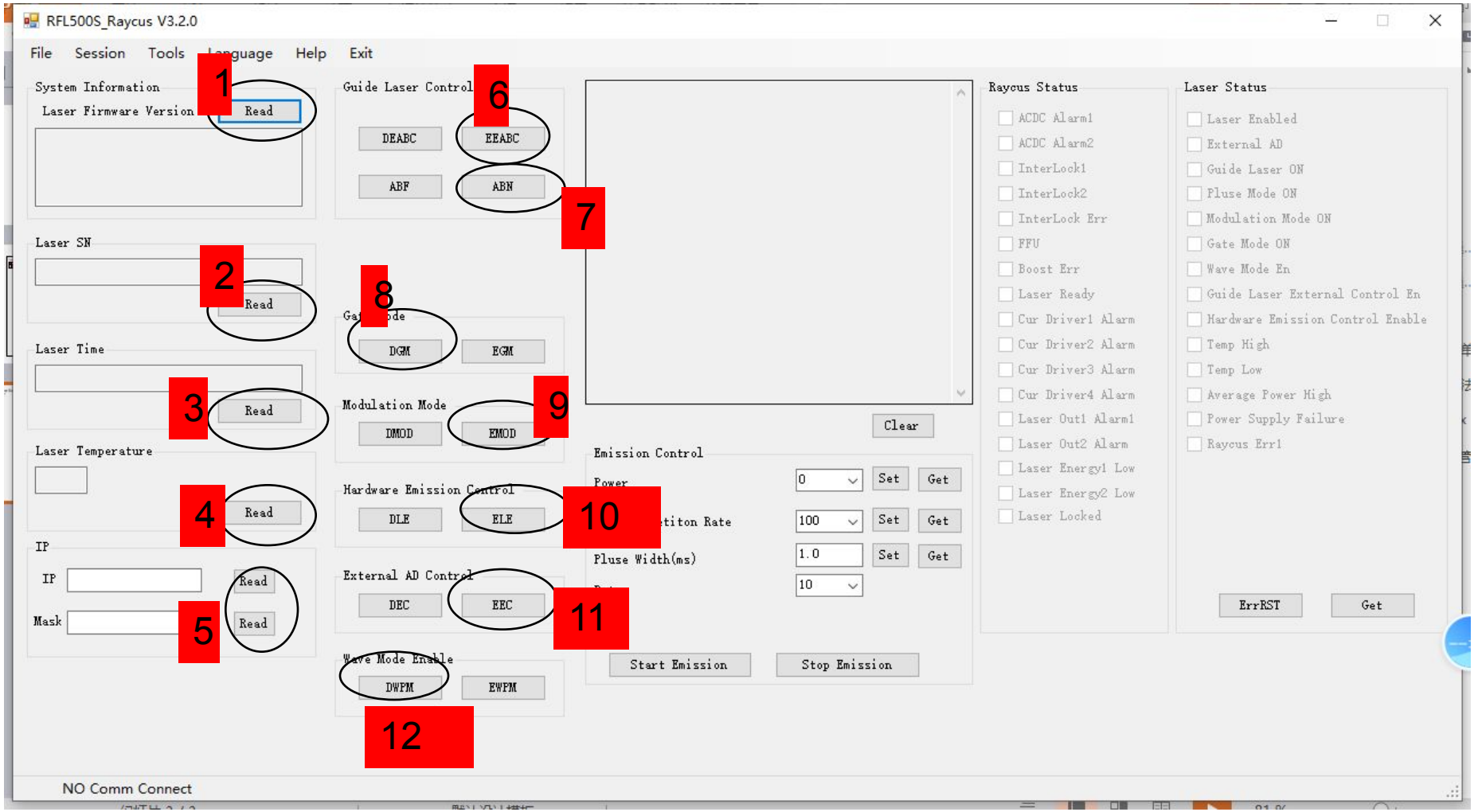
外部AD控制模式接线与设置


BCL3766
RAYCUS RFL-C2000S
Dip switch
PWM
OUTPUT
PWM-
PWM+
Relay output
N0
COM
Relay output
N0
COM
Analog output
DA1-
DA1+
Mosfet output
Out mosf
Out mosf
com
Gerneral intput
IN
com
24V
IN3
15 MOD+
16 MOD-
14 AGND
12 Analog
2 Interlock
3 Interlock
8 Rererved remote power on
9 Rererved remote power on
10 Reserved emergency stop
11 Reserved emergency stop
17 Red laser
18 Laser EN
20 EGND
22 Laser Error
23 EVCC

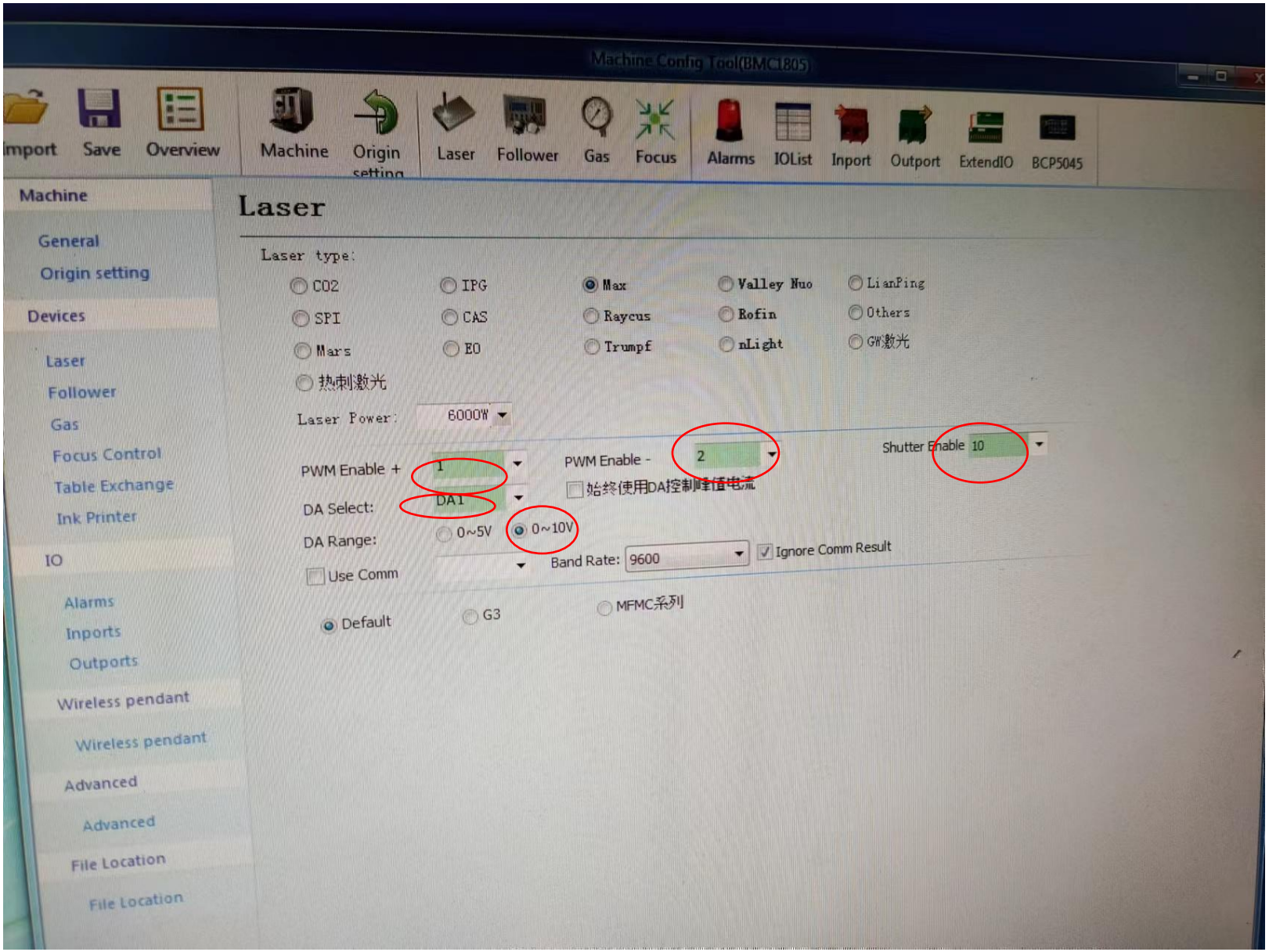
一.The first time you use it,you need to connect the laser software”C500S-ST-0654-V3.2” ,To set

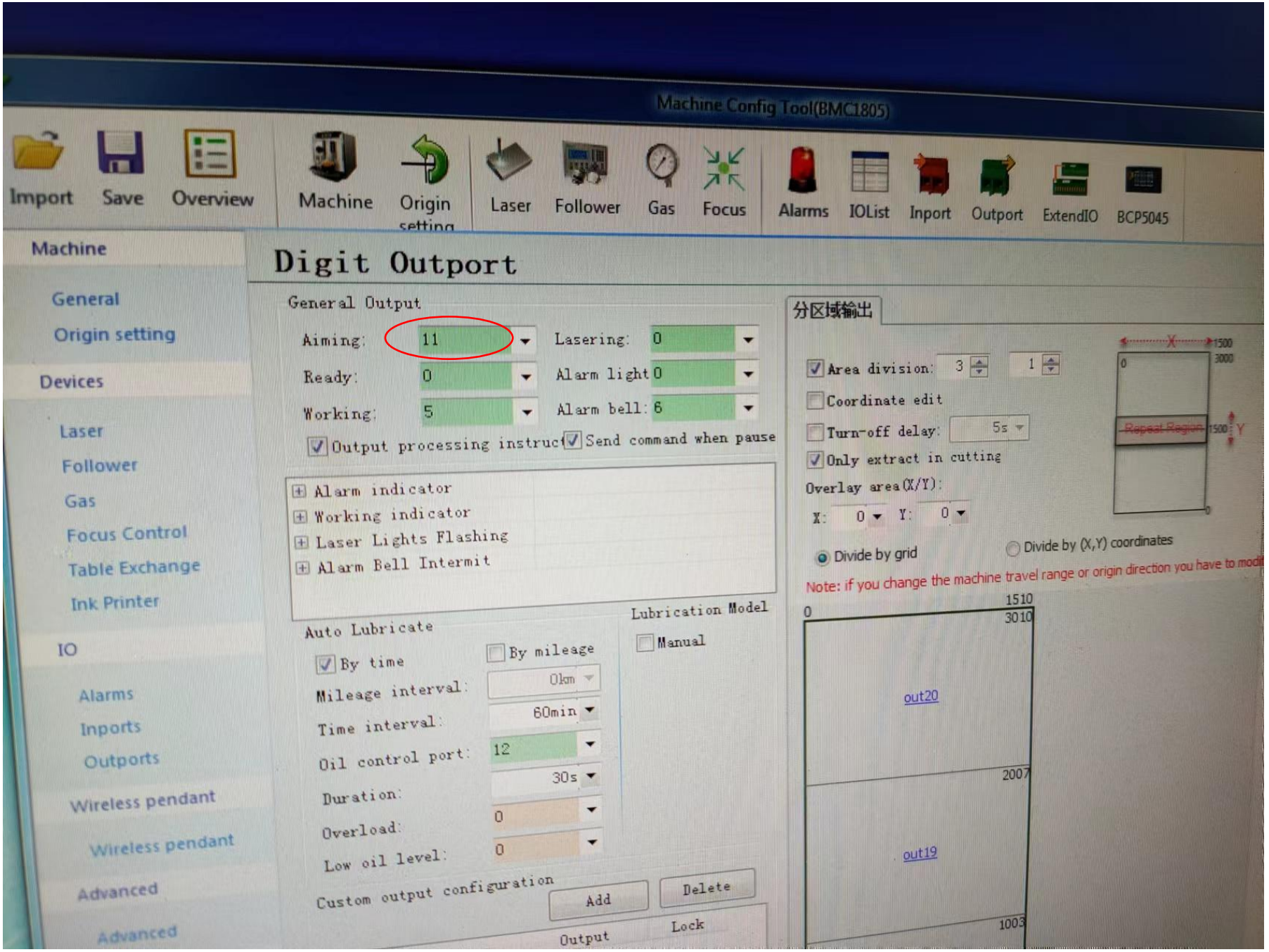


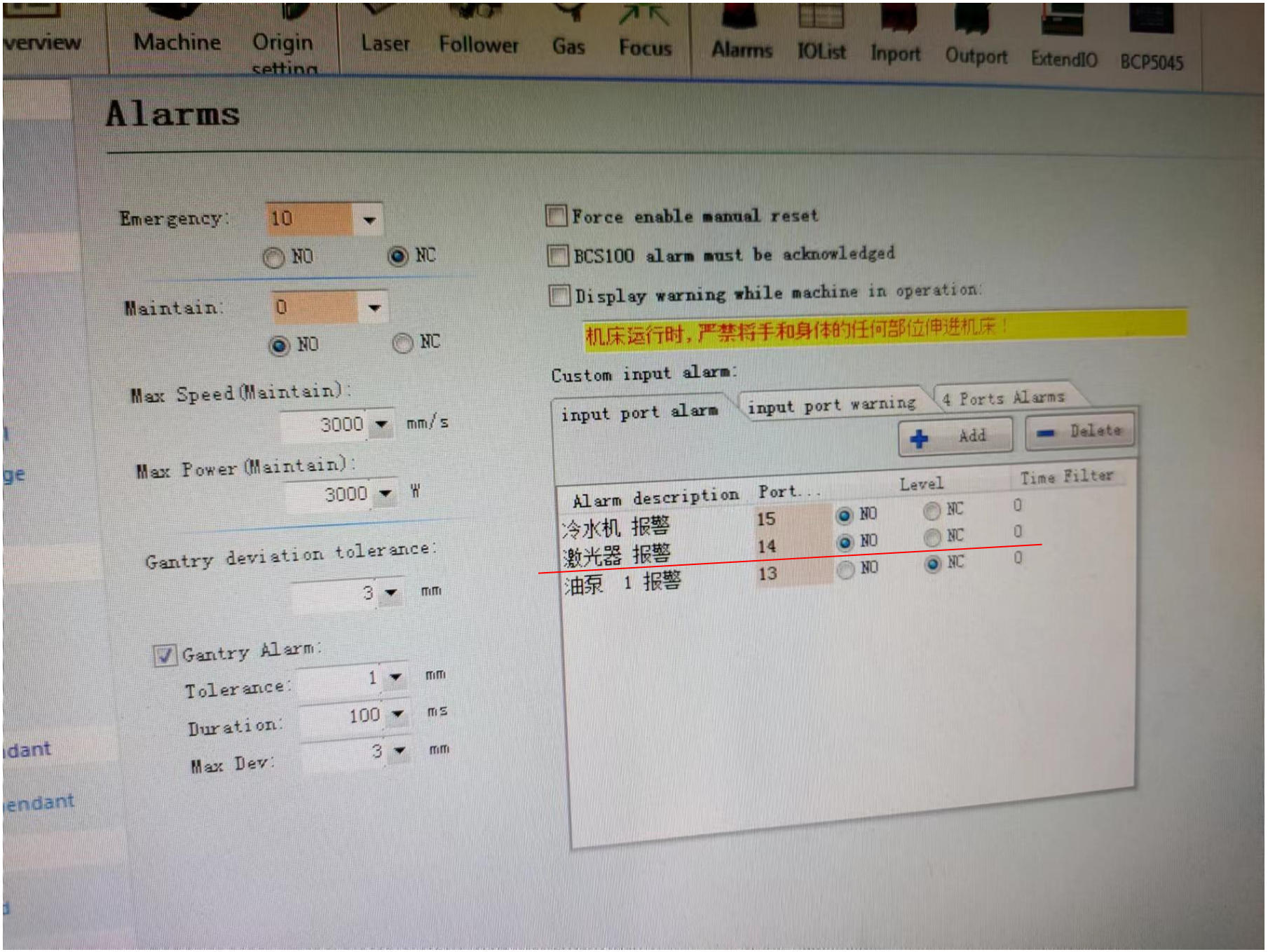

500S_Raycus V3.2.0
Session
Tools
Language
Help
Exit
RS232
Ethernet
Read
Guide Laser Control
DEABC
EEABC
ABF
ABN
er SN
Read
Gate Mode
DGM
EGM
er Time
Read
Modulation Mode
DMOD
EMOD
ser Temperature
Read
Hardware Emission Control
DLE
ELE
IP
Read
External AD Control
DEC
EEC
ask
Read
Wave Mode Enable
DWPM
EWPM
Raycus Status
ACDC Alarm1
ACDC Alarm2
InterLock1
InterLock2
InterLock Err
FFU
Boost Err
Laser Ready
Cur Driver1 Alarm
Cur Driver2 Alarm
Cur Driver3 Alarm
Cur Driver4 Alarm
Laser Out1 Alarm1
Laser Out2 Alarm
Laser Energy1 Low
Laser Energy2 Low
Laser Locked
Clear
Emission Control
Power
0
Set
Get
Pluse Repetiton Rate
100
Set
Get
Pluse Width(ms)
1.0
Set
Get
Duty
10
Start Emission
Stop Emission


RFL500S_Raycus V3.2.0
File
Session
Tools
Language
Help
Exit
System Information
Laser Firmware Version
Read
1
Laser SN
Read
2
Laser Time
Read
3
Laser Temperature
Read
4
IP
IP
Mask
Read
Read
5
Guide Laser Control
DEABC
EEABC
6
ABF
ABN
7
8
DGM
EGM
Modulation Mode
DMOD
EMOD
9
Hardware Emission Control
DLE
ELE
10
External AD Control
DEC
EEC
11
Wave Mode Enable
DWPM
EWPM
12
Clear
Emission Control
Power
0
Set
Get
100
Pluse Width(ms)
1.0
10
Start Emission
Stop Emission
Raycus Status
ACDC Alarm1
ACDC Alarm2
InterLock1
InterLock2
InterLock Err
FFU
Boost Err
Laser Ready
Cur Driver1 Alarm
Cur Driver2 Alarm
Cur Driver3 Alarm
Cur Driver4 Alarm
Laser Out1 Alarm1
Laser Out2 Alarm
Laser Energy1 Low
Laser Energy2 Low
Laser Locked
Laser Status
Laser Enabled
External AD
Guide Laser ON
Pluse Mode ON
Modulation Mode ON
Gate Mode ON
Wave Mode En
Guide Laser External Control En
Hardware Emission Control Enable
Temp High
Temp Low
Average Power High
Power Supply Failure
Raycus Err1
ErrRST
Get
NO Comm Connect

二.Open Platform configuration,to set




Machine Config Tool(BMC1805)
Import
Save
Overview
Machine
Origin setting
Laser
Follower
Gas
Focus
Alarms
IOList
Inport
Outport
ExtendIO
BCP5045
Machine
General
Origin setting
Devices
Laser
Follower
Gas
Focus Control
Table Exchange
Ink Printer
IO
Alarms
Inports
Outports
Wireless pendant
Wireless pendant
Advanced
Advanced
Digit Outport
General Output
Aiming: 11
Lasering: 0
Ready: 0
Alarm light 0
Working: 5
Alarm bell: 6
Output processing instruct
Send command when pause
Alarm indicator
Working indicator
Laser Lights Flashing
Alarm Bell Intermit
Auto Lubricate
By time
By mileage
Mileage interval: 0km
Time interval: 60min
Oil control port: 12
Duration: 30s
Overload: 0
Low oil level: 0
Lubrication Model
Manual
Custom output configuration
Add
Delete
Output
Lock
分区域输出
Area division: 3
1
Coordinate edit
Turn-off delay: 5s
Only extract in cutting
Overlay area(X/Y):
X: 0
Y: 0
Divide by grid
Divide by (X,Y) coordinates
Note: if you change the machine travel range or origin direction you have to modi
1510
3010
out20
2007
out19
1003


verview
Machine
Origin setting
Laser
Follower
Gas
Focus
Alarms
IOList
Inport
Outport
ExtendIO
BCP5045
Alarms
Emergency: 10
NO
NC
Maintain: 0
NO
NC
Max Speed(Maintain):
3000 mm/s
Max Power(Maintain):
3000 W
Gantry deviation tolerance:
3 mm
Gantry Alarm:
Tolerance: 1 mm
Duration: 100 ms
Max Dev: 3 mm
Force enable manual reset
BCS100 alarm must be acknowledged
Display warning while machine in operation:
机床运行时，严禁将手和身体的任何部位伸进机床！
Custom input alarm:
input port alarm
input port warning
4 Ports Alarms
Add
Delete
Alarm description
Port...
Level
Time Filter
冷水机 报警 15 NO NC 0
激光器 报警 14 NO NC 0
油泵 1 报警 13 NO NC 0