Note: if not in accordance with the instructions, it is easy to damage the laser head because of improper operation

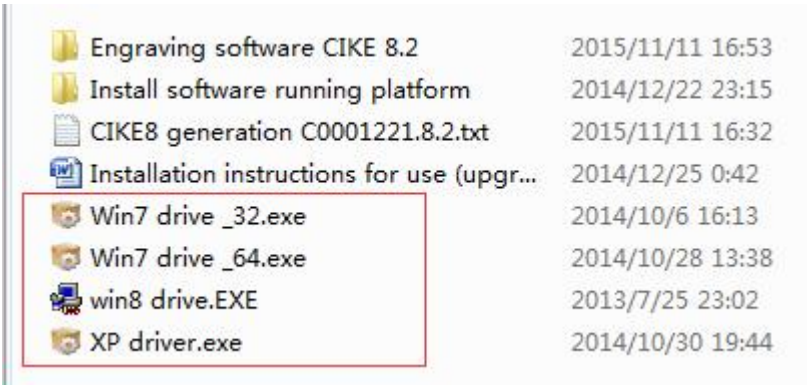
Please be sure to carefully read the instructions before use!!!

1 、the installation instructions

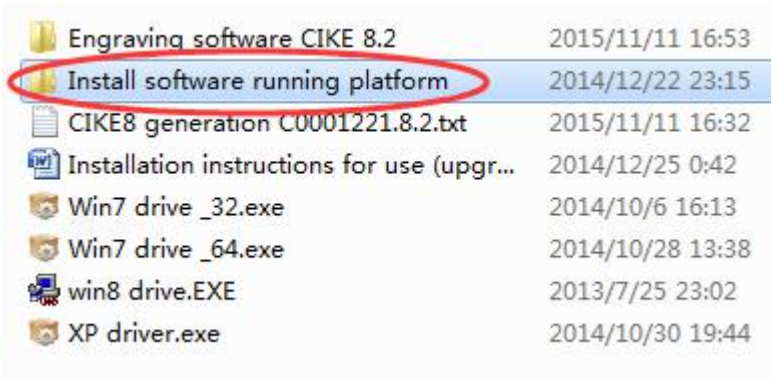
First exit anti-virus software before you install the software. Because anti-virus software program engraving machine will be mistaken for a virus to kill.

The USB line is connected with the computer first before installation, plug in the power

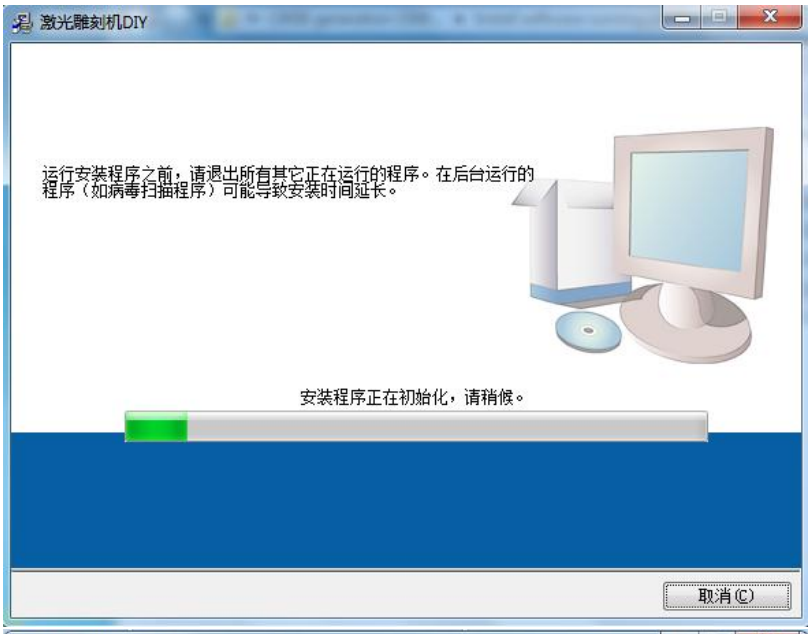
1. Install the driver, (and the choice of computer system corresponding driver to install) win10 computer systems already have drivers, so this step is omitted win10 system



2. Install the software platform



bin
2014/12/22 23:15
license
2014/12/22 23:15
supportfiles
2014/12/22 23:15
nidist.id
2014/7/14 13:27
setup.exe
2014/7/14 13:27
setup.inl
2014/7/14 13:27

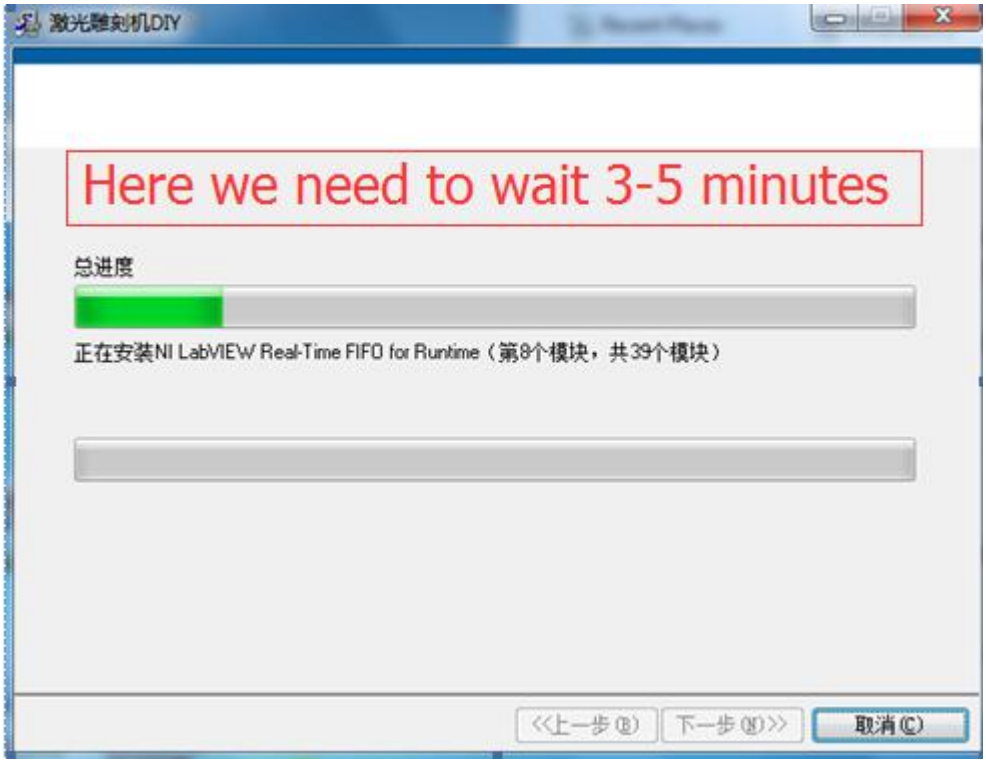

激光雕刻机DIY
运行安装程序之前，请退出所有其它正在运行的程序。在后台运行的程序（如病毒扫描程序）可能导致安装时间延长。
安装程序正在初始化，请稍候。
取消(C)

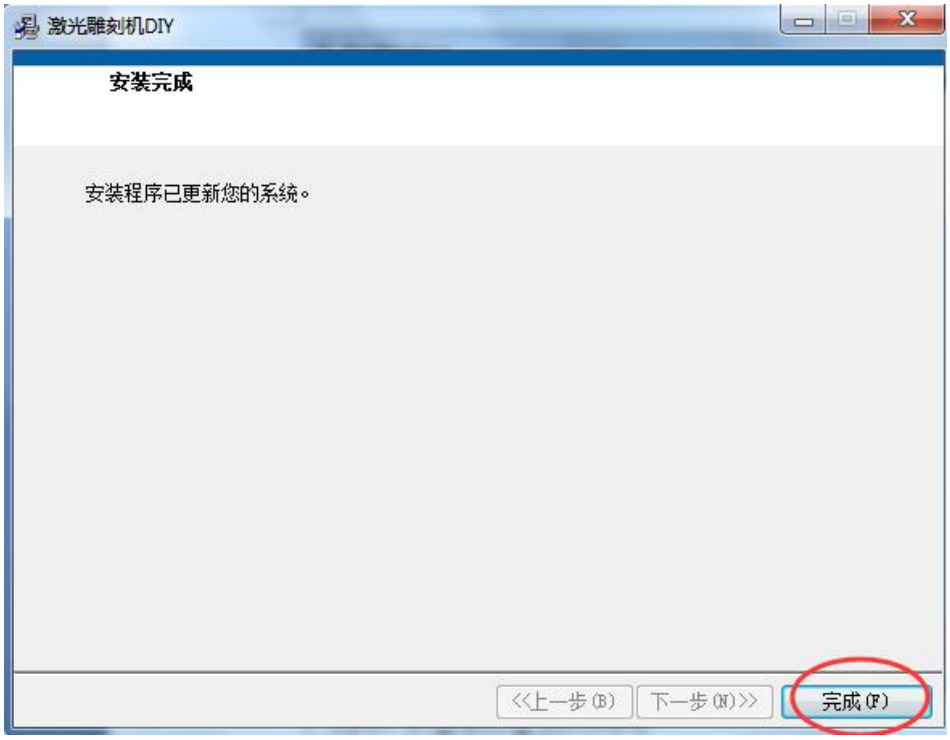
激光雕刻机DIY
目标目录
选择主安装目录。
所有软件将安装至以下目录。如需安装至其它目录，请单击“浏览”按钮并选择其它目录。
Delete
激光雕刻机DIY目录
C:\Program Files\激光雕刻机DIY\
浏览...
National Instruments产品目录
C:\Program Files\National Instruments\
浏览...
<<上一步(B)
下一步(N)>>
取消(C)

激光雕刻机DIY目录
C:\Program Files\DIY\
浏览...
National Instruments产品目录
C:\Program Files\National Instruments\
浏览...
<<上一步(B)
下一步(N)>>
取消(C)

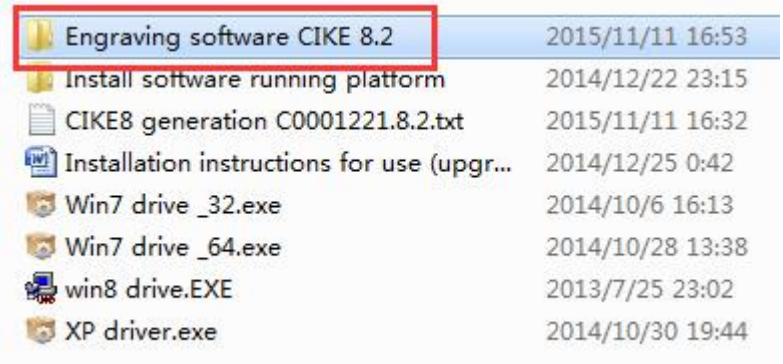
激光雕刻机DIY
许可协议
必须同意以下许可协议才可继续。
NATIONAL INSTRUMENTS SOFTWARE LICENSE AGREEMENT
INSTALLATION NOTICE: THIS IS A CONTRACT. BEFORE YOU DOWNLOAD THE SOFTWARE AND/OR COMPLETE THE INSTALLATION PROCESS, CAREFULLY READ THIS AGREEMENT. BY DOWNLOADING THE SOFTWARE AND/OR CLICKING THE APPLICABLE BUTTON TO COMPLETE THE INSTALLATION PROCESS, YOU CONSENT TO THE TERMS OF THIS AGREEMENT AND YOU AGREE TO BE BOUND BY THIS AGREEMENT. IF YOU DO NOT WISH TO BECOME A PARTY TO THIS AGREEMENT AND BE BOUND BY ALL OF ITS TERMS AND CONDITIONS, CLICK THE APPROPRIATE BUTTON TO CANCEL THE INSTALLATION PROCESS, DO NOT INSTALL OR USE THE SOFTWARE, AND RETURN THE SOFTWARE WITHIN THIRTY (30) DAYS OF RECEIPT OF THE SOFTWARE (INCLUDING ALL ACCOMPANYING WRITTEN MATERIALS, ALONG WITH THEIR CONTAINERS) TO THE PLACE YOU OBTAINED THEM. ALL RETURNS SHALL BE SUBJECT TO NI'S THEN CURRENT RETURN POLICY.
1. Definitions. As used in this Agreement, the following terms have the following meanings:
我接受该许可协议。
我不接受许可协议。
<<上一步(B)
下一步(N)>>
取消(C)

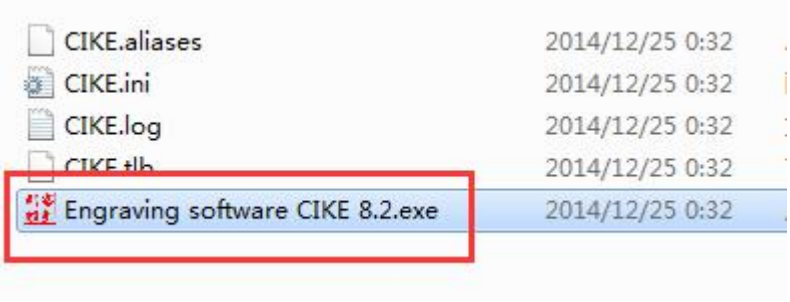
激光雕刻机DIY
许可协议
必须同意以下许可协议才可继续。
LICENSE AGREEMENT
BEFORE YOU CLICK ON THE ACCEPT BUTTON AT THE END OF THIS DOCUMENT, CAREFULLY READ ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT. BY CLICKING ON THE ACCEPT BUTTON, YOU ARE CONSENTING TO BE BOUND BY AND ARE BECOMING A PARTY TO THIS AGREEMENT. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS AGREEMENT, CLICK THE "DO NOT ACCEPT" BUTTON AND DO NOT DOWNLOAD AND/OR USE THIS INTELLECTUAL PROPERTY.
Readers of this document are requested to submit to Interchangeable Virtual Instruments, Inc. ("Licensor"), with their comments, notification of any relevant patent rights or other intellectual property rights of which they may be aware which might be infringed by any use of this intellectual property, software, or specification (the "Intellectual Property"), as
我接受该许可协议。
我不接受许可协议。
<<上一步(B)
下一步(N)>>
取消(C)

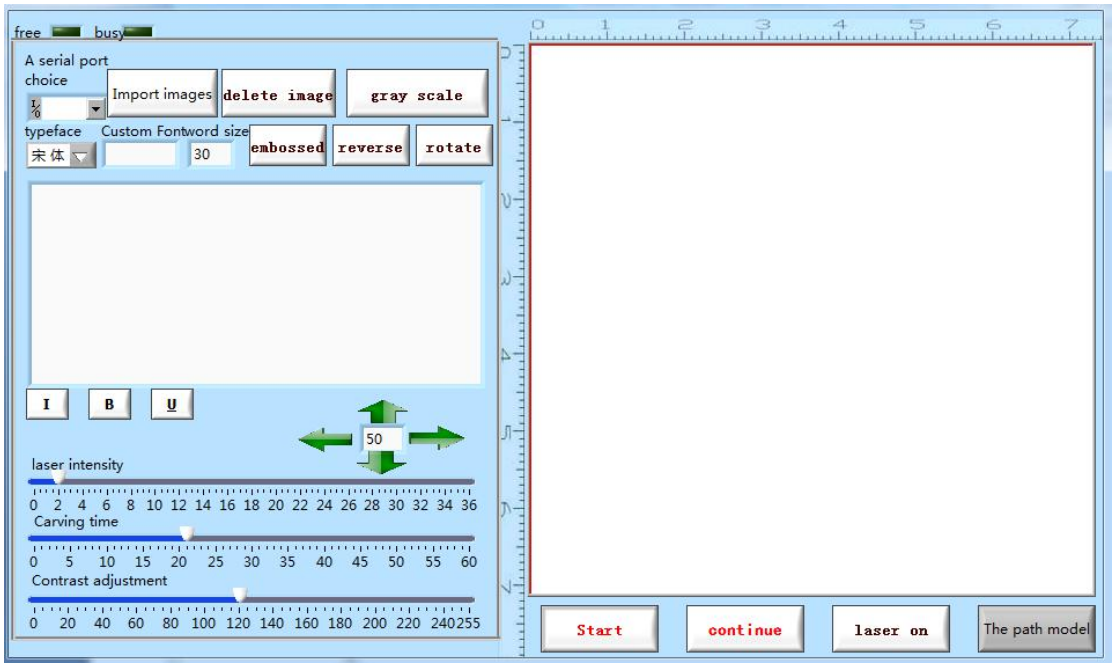

激光雕刻机DIY
Here we need to wait 3-5 minutes
总进度
正在安装NI LabVIEW Real-Time FIFO for Runtime（第8个模块，共39个模块）
<<上一步(B)
下一步(N)>>
取消(C)



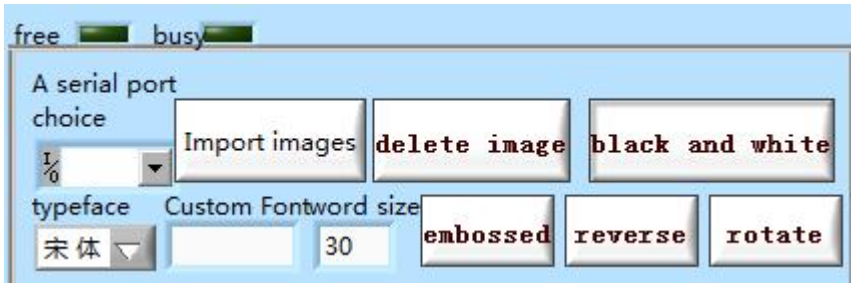
3. Open engraving software



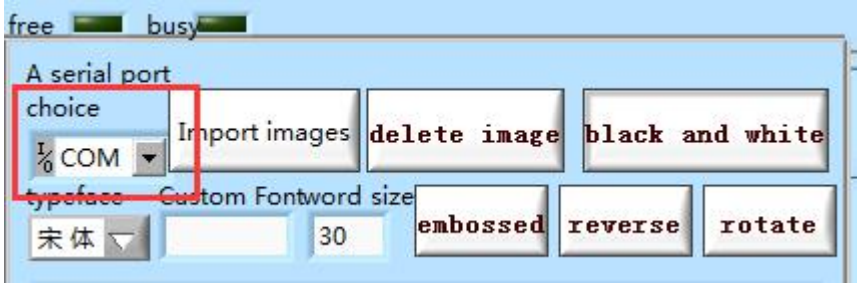




4、Select the serial port:

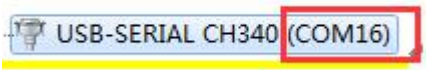


↓



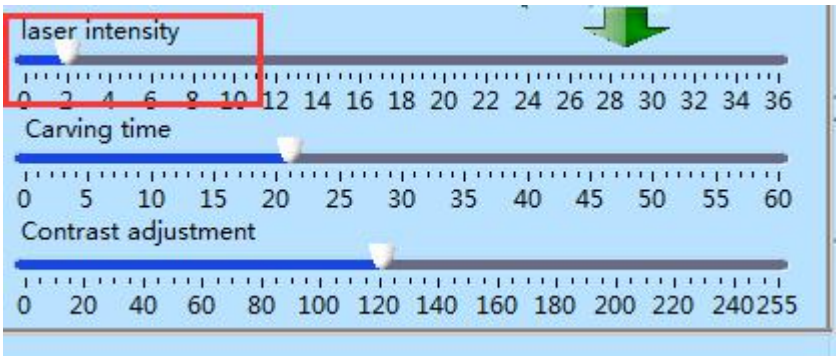
How to check the serial port is not correct:

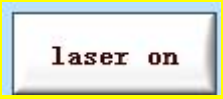
open the device manager. Point port. Can see



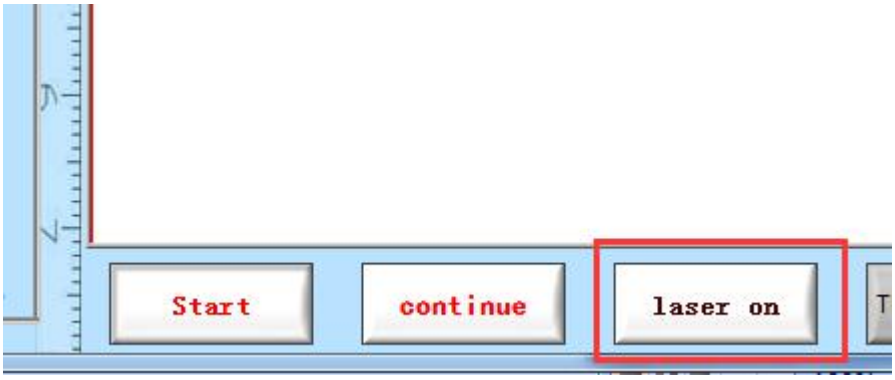
CH340 brackets after the display is the com software should choose the serial port

5、Weak light positioning: the laser intensity to 2-4



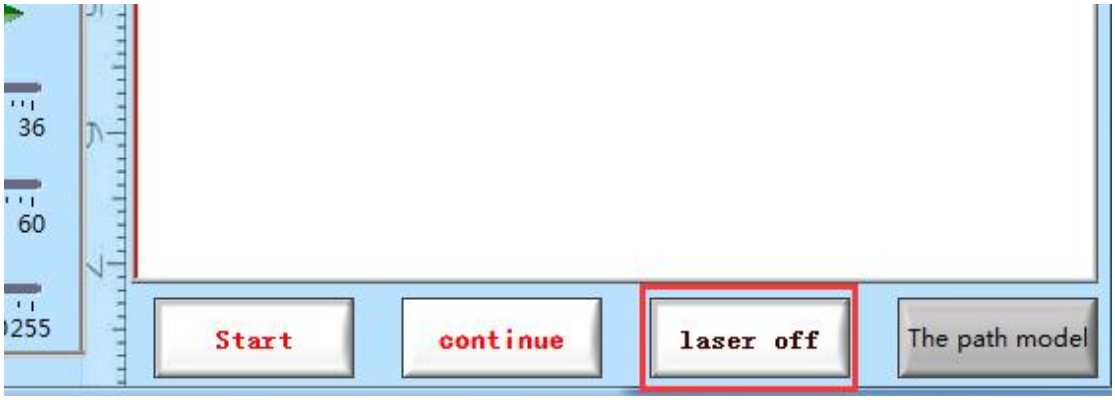
Click 

Open laser. When the laser is turned on, the laser will shine.

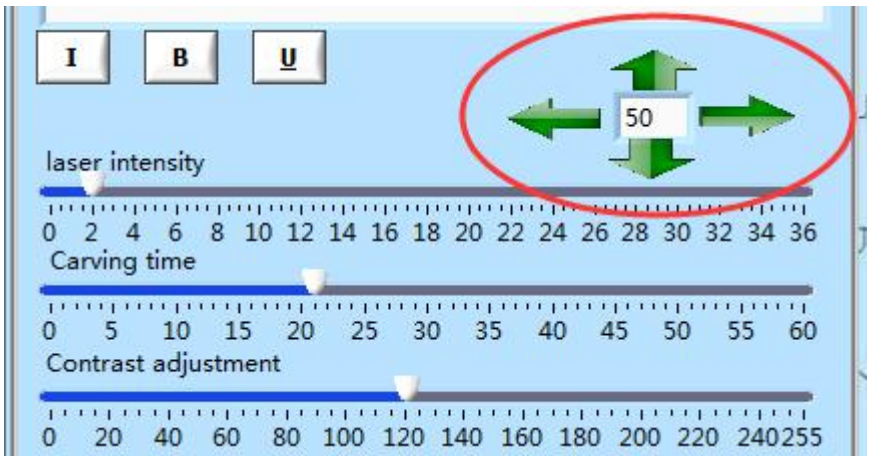


Laser light, with laser protection glasses, with the hand twist move the focus here, the light spot to the smallest appropriate

After adjusting the focus. Click Off the laser

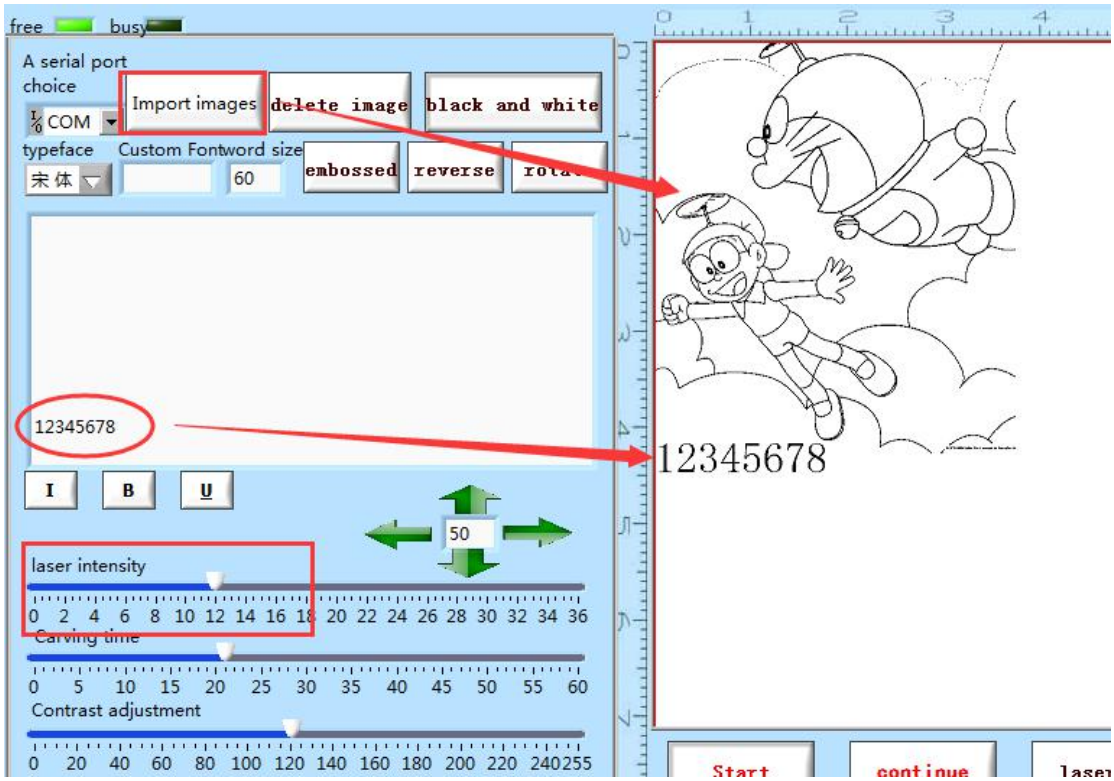


The number of keys in the direction of the arrow keys can be changed with the input of the keyboard. It represents the distance between the motor and the head of the laser head. The larger the number is, the greater the distance is.



Enter text and import pictures. The right side can display the effect diagram

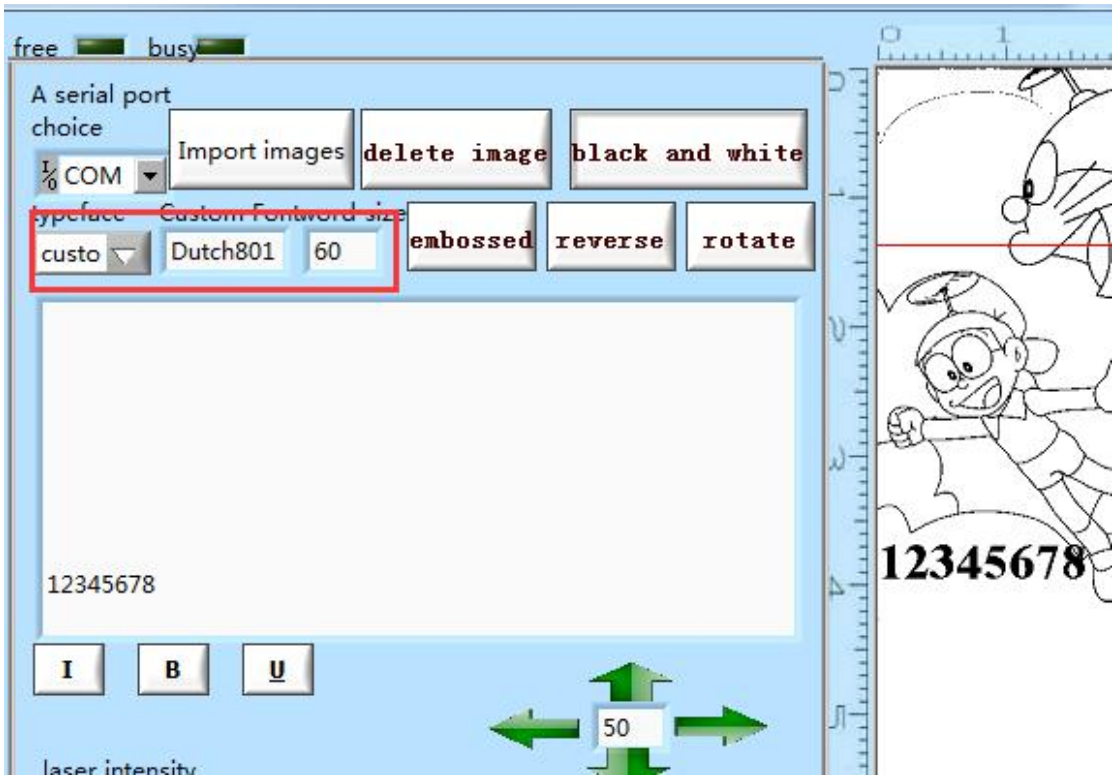
Text can be directly input, click the picture into the back of the window if you do not show the picture, in the bottom of the file format to select all the files you can



Set the intensity and time parameters, after the start of the sculpture button can be carved

(black and white regulation): do not understand please open the picture to select different parameters effect diagram changes.

6、Customize font: select the last item of the font custom, And then copy the font in the computer, the full name of the box, in the input box to hit the space bar, you can customize the font



How to copy the font name of the computer, there are many methods, we introduce one of the

Open word, Directly copy the font in the word to the right of the engraving software font on the right side of the box can be

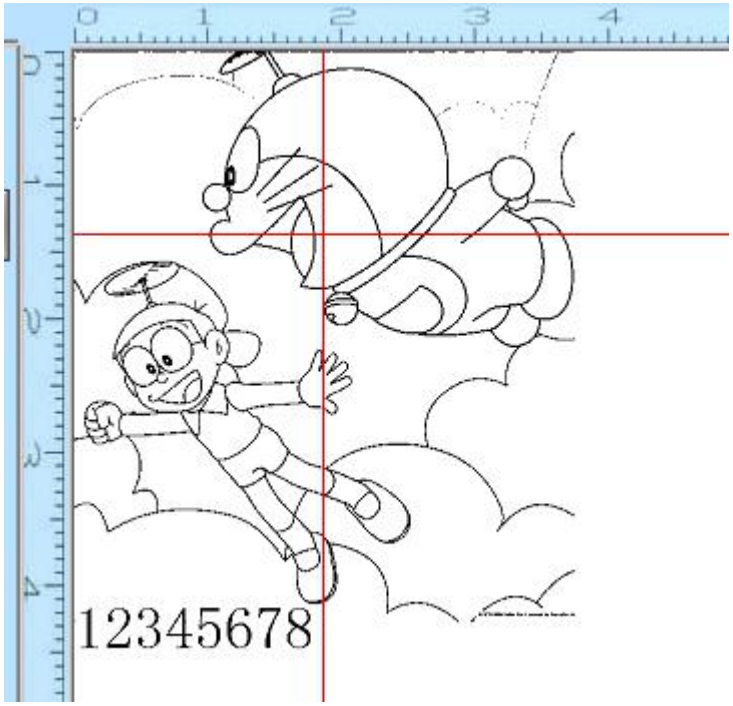
7、Laser intensity and burning and carving time reference: adjusted to a proper value, new laser head strength can not be more than 28, open to carving, specific settings as carving material and

8、hoose the way of carving, different ways of carving is different in different ways.

such as display is scanning mode, then click scan mode isswitched into a path model

9、fter the parameter set, can choose according to arbitrary origin on the right side effect diagram (Figure red cross intersection), then began to carve to.

Location: the cross center is the laser beam, the beginning of the engraving in the direction of the cross center, carved out of the actual position in which direction of the laser point



Note: If the input of the text is not fully displayed, the text is displayed in the back of the box to display the full

Use photo editing software to set the image size: *0.075=

effect picture pixelicon ruler (CM) = actual distance

The actual distance㎜	Effect of icon scale mm	Image pixels
10	10	133. 3333333
20	20	266. 6666667
30	30	400
40	40	533. 3333333
50	50	666. 6666667
60	60	800
70	70	933. 3333333

Black and white adjustment: open the picture black and white sculpture, black-and-white clarity (open the picture after adjusting the parameters, see the effect of map changes on the right)

Note: the use of procedures such as prompt communication error, please check whether the selected serial port