

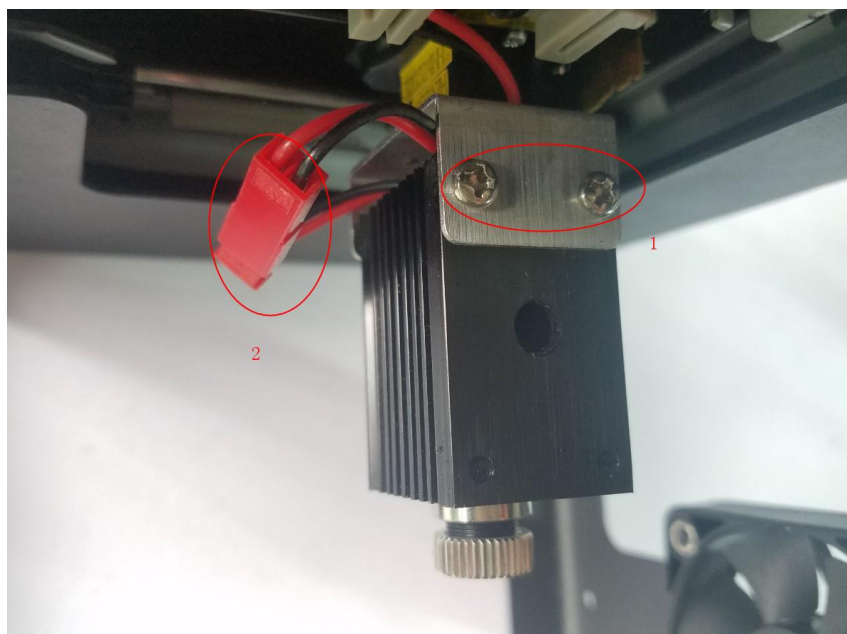
Miniature laser engraving machine

User manuel

Specifications

size	213*140*140mm
Package size	256*183*183mm
Net weight	1.5kg
Package weight	1.6kg
Shell material	Iron+aluminium alloy
Laser head	blue and purple light
Carving area	38*38mm
Packing list	1.Carving machine*1 2.Power cable*1 3.Data cable*1 4.Goggle*1 5.CD*1 6.Wood*2

Laser head setup instruction



After completing installation, move the laser head leftward and rightward to check the moving distance.

Notice

- 1.This is a desktop laser carving machine for home use , can not be compared with the machine for industrial use
- 2.Do not point the laser head at human or livestock,do not use it to illuminate eyes, the machine needs rest after running for around 25 minutes
- 3.Laser has power, body exposure to it is dangerous.
- 4.Limited kinds of objects can be carved, such as wooden objects, organic glass, corian, paper,double color board,leather,resin,metal spray etc
- 5.It should not be stopped while running, or else it might wear damage
- 6.Not suitable for kids under 14
- 7.Only support windows system
- 8.It is Acrylic product, do not throw it,or else it might rupture
- 9.The making of its shell employed laser cutting technology,its corner is sharp,please be cautious while placing it,for fear of leaving scratches.

Solution for possible problems

1.Machine doesn't operate

Disconnect power cord and data line , reconnect to computer. finally, open upper monitor and connect again.

2.Laser focusing

Rotate laser head focusing cap, so the spot will gather to make a small focusing point on the object surface.

3.No print on the object surface

Make sure the carved objects are incombustible metal or ceramics,then make sure if laser is correctly focused or if the time of burning is set appropriate.

4.Offline carving

If needs offline carving,please restart it after completing installation. Function button is only available under offline status, online status needs to be controlled by upper monitor.

5.Connected to host machine

Connect machine to computer as the first step,then work the upper monitor,if you have cutted the machine halfway and then try to reconnect it,please click connection- auto connect in the software(or restart the software).

6.Machine resets for repeated times or resets when carving

Check whether power line and USB wire are are plugged into 5v power properly,if no problems are found , then check the stability of power supply voltage , devices such as USB hub , inferior charger and low current charger pal may not be able to supply constant power.

Before carving

1.adjust laser beam to make a focusing point(should be refocused for objects of different height)



Make sure whether focusing is completed:

the spot diameter of the object surface measures less than 1mm
focus wheel and the internal black lens use split design ,if focus wheel separates from internal black lens, just unscrew black lens,combine it with the focus wheel,then reinstall both of them.

Note: the object must be fixed on the stage with a rubber band to prevent drift in the middle of engraving

2.Plug one end of data wire and power line on caving machine, the other on the computer



(1).Power provider includes computer USB, power bank,mobile phone 5v charger

(2).Carving can not be realized if attached to only one data wire, please plug the data wire into 5v power

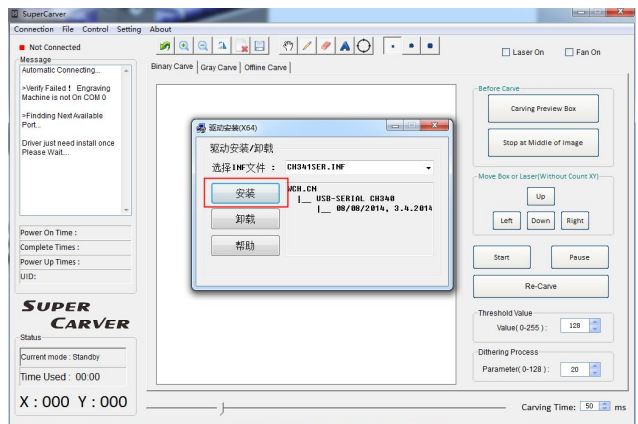
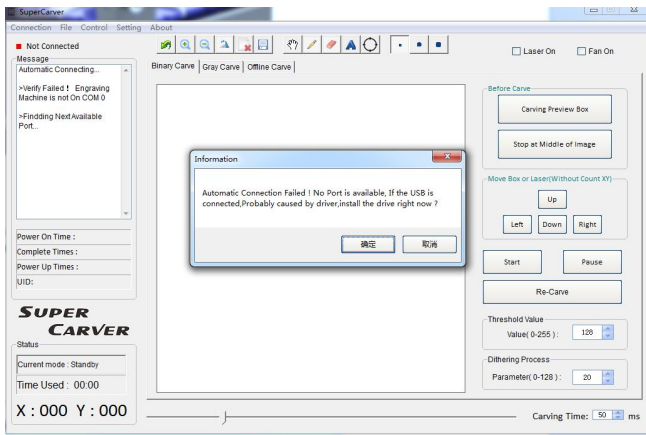
(3).If date wire is attached only, without plugging power wire , carving machine can not function

(4). Cannot be powered by USB hub.

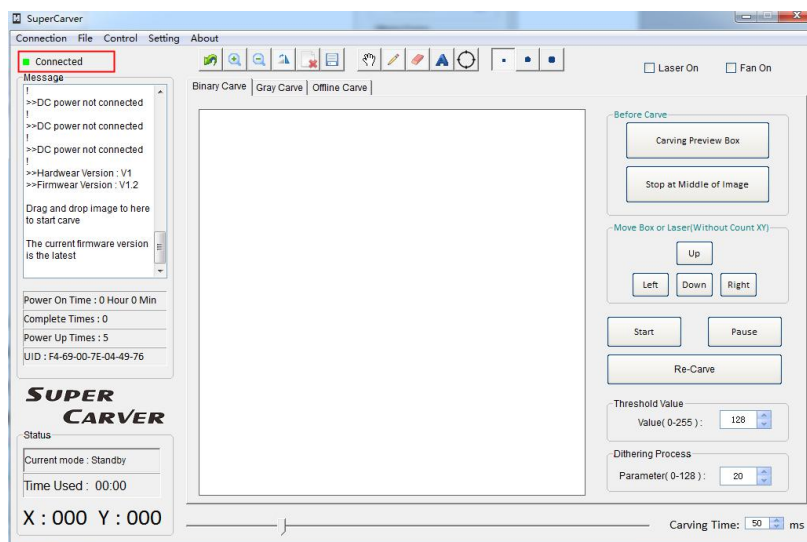
2. Open upper monitor

(1). If prime mover is not installed, software will hint about it, click yes to install

(If this dialog box still pops out after driver is installed, that's because carving machine is not connected to computer, you should choose no, driver only needs installation for once)

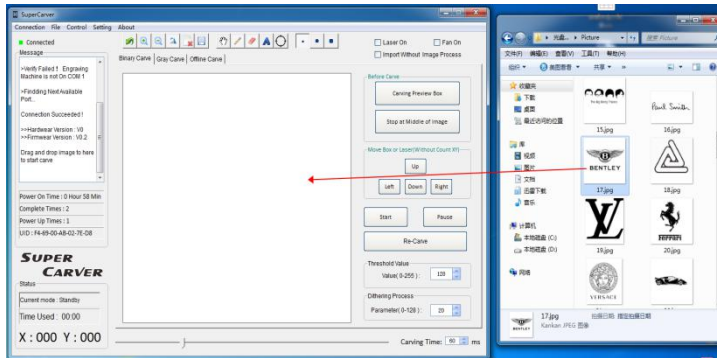


(2). Driver installation completed, successfully connected to software.

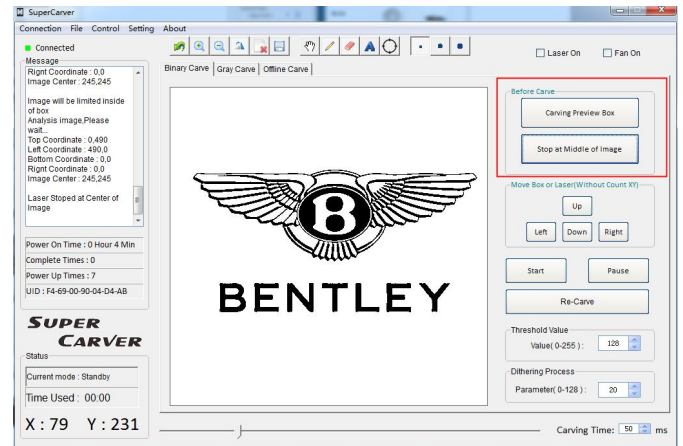


First. Carve a picture (monochrome)

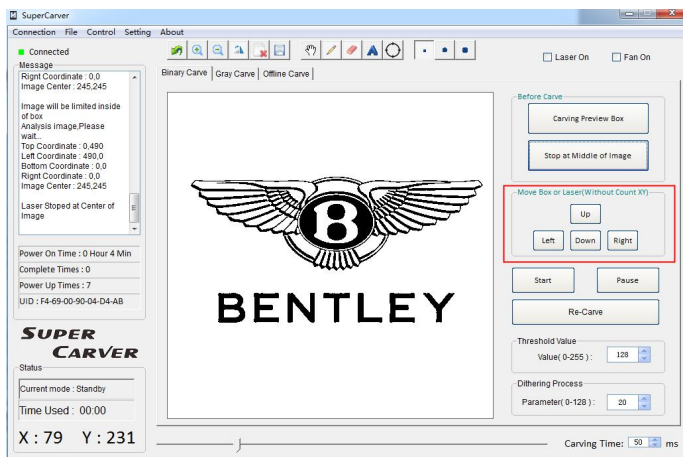
1. Drag one picture into white area under connection status.



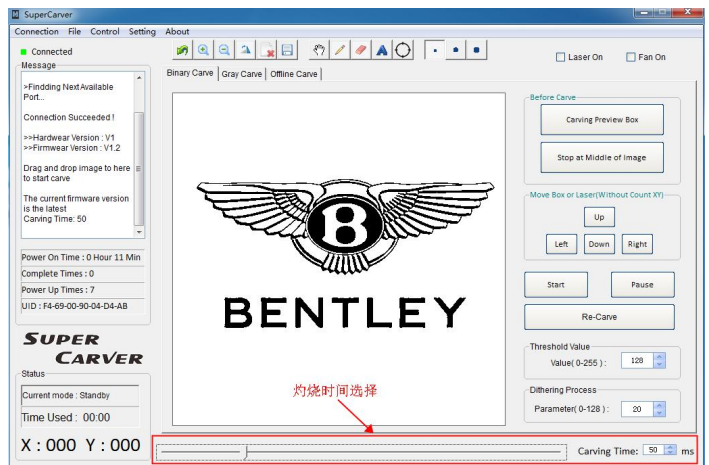
2. Click frame positioning or stop at middle of the image, observe carving process, show the carving location of picture.



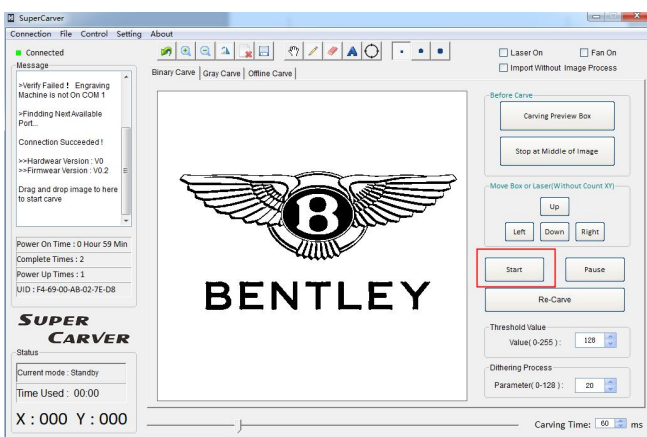
3. If not satisfied with picture location, press arrow keys for adjustment.



4. Choose the burning time for laser on every point, the more time is spent, the deeper the carving will be



5. Make sure the picture location and burning time, then click start to start online carving (connection should not be cut off while carving).

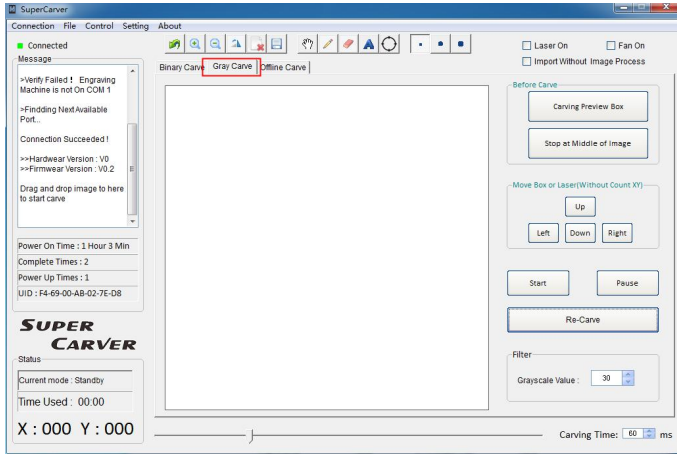


6. The carved-out products

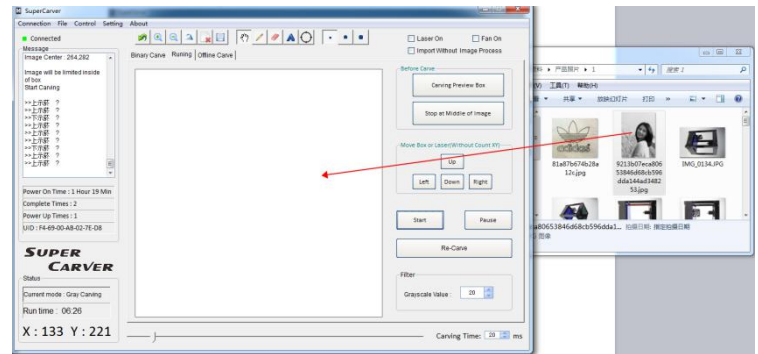


Second. Carve a picture (gray level)

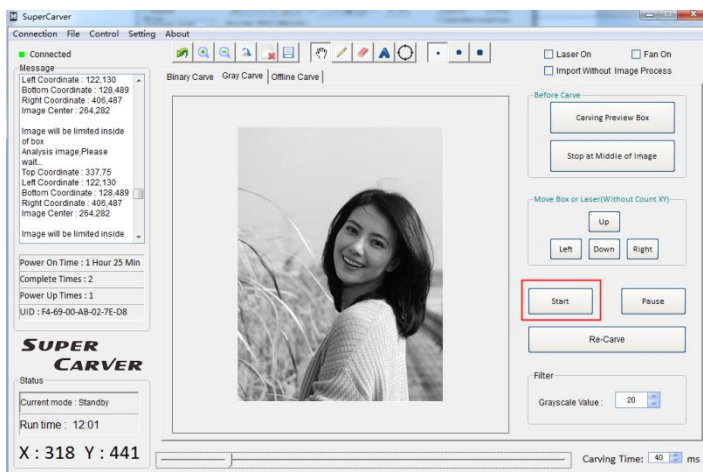
1. Select gray carve



2. Select a picture, drag it into the white area



3. Adjust picture location and burning time, then press start to start online carving



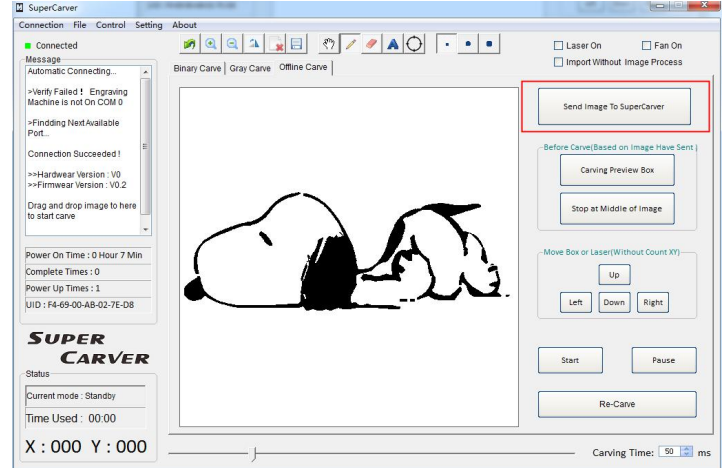
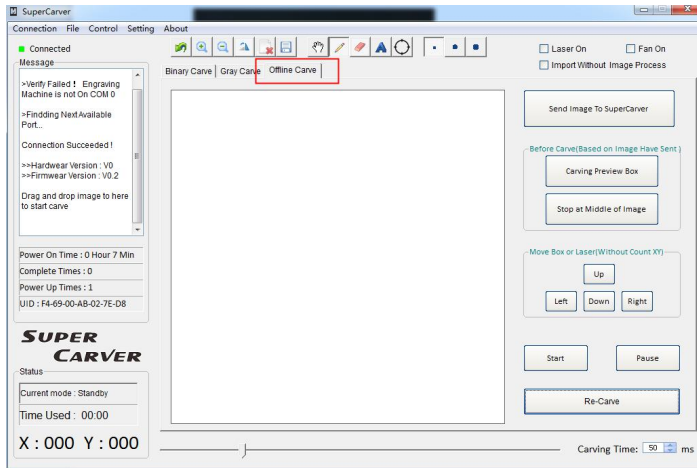
4. The carved-out products



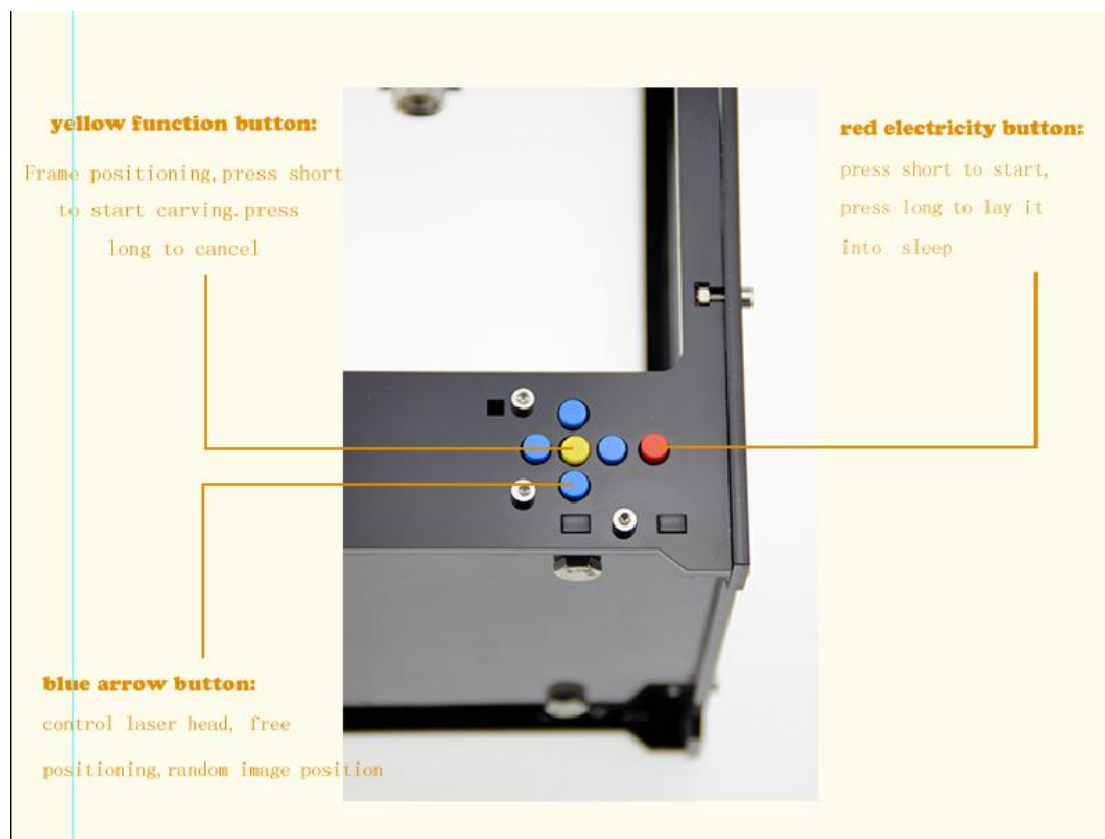
The time taken for gray level carving needs to be controlled by user, best burning time ensures the best carving effect

Third. Save a picture (monochrome) , carve offline

1. switch the column label to the carve offline page.
2. Drag in a picture that needs to be stored offline, then send file to the carving machine



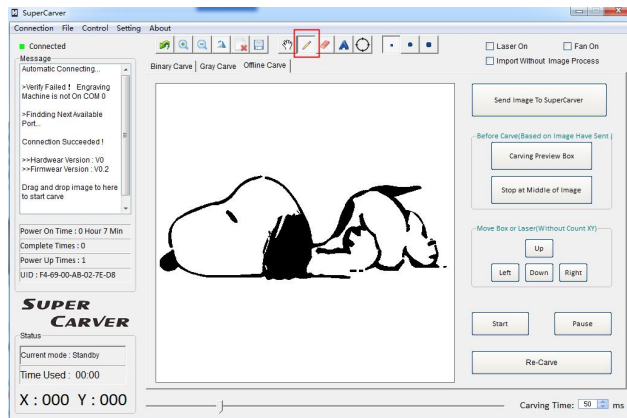
3. Offline production can be realized if the above steps are followed. external keys can be used to control production. (In the online mode, yellow button is invalid. After downloading programs in offline mode, it is necessary to disconnect the computer and restart.)



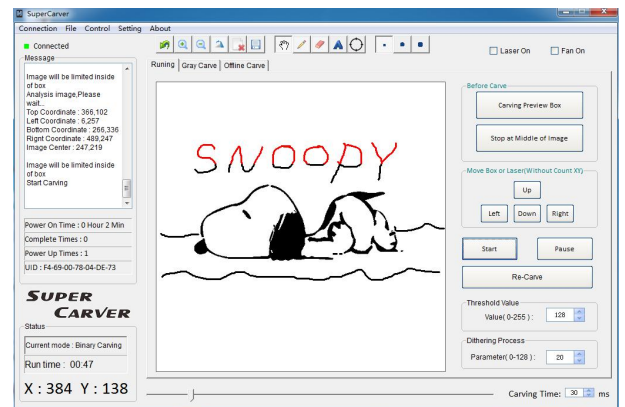
when carving or when it stops carving , press the up down key to set the time for burning on each coordinate.

Fourth.Graffiti function

1.Import a picture that needs graffiti,select painting brush.



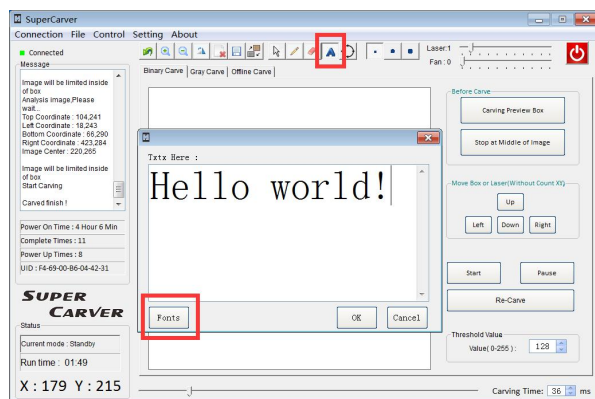
2.Paint on the picture, carve it directly after painting.



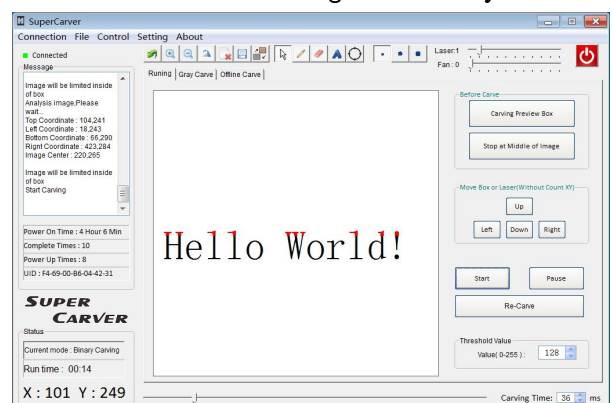
3.Effect drawing



1.Choose a character and put into the words (character can be random)



2.Position words in the frame, start carving when ready.

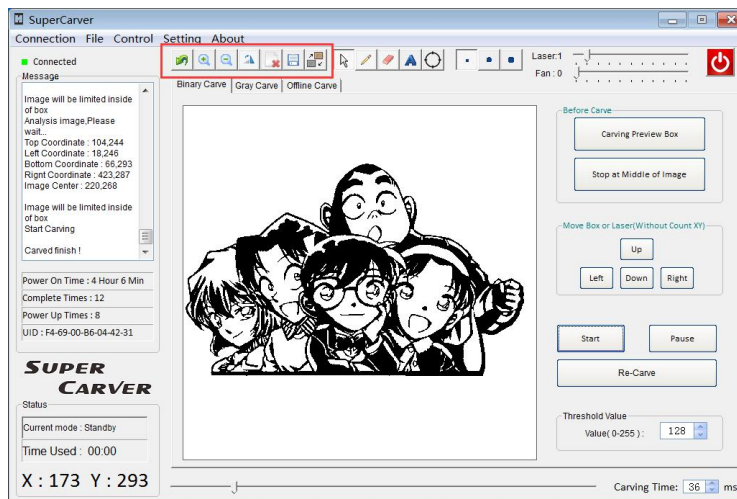


3.Effect drawing



Fifth. Picture -editing function

Pictures can be retrieved, enlarged, narrowed, rotated, expunged, reserved and used for carving seals in the Picture editing region.



Sixth. Online positioning picture carving

Choose the online carving function, move the laser with mouse, Press left button will open laser, online carving will start by moving the mouse.

