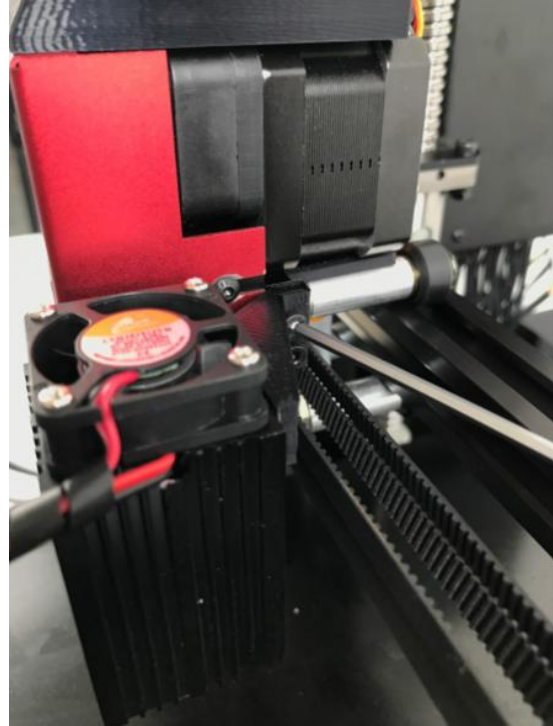


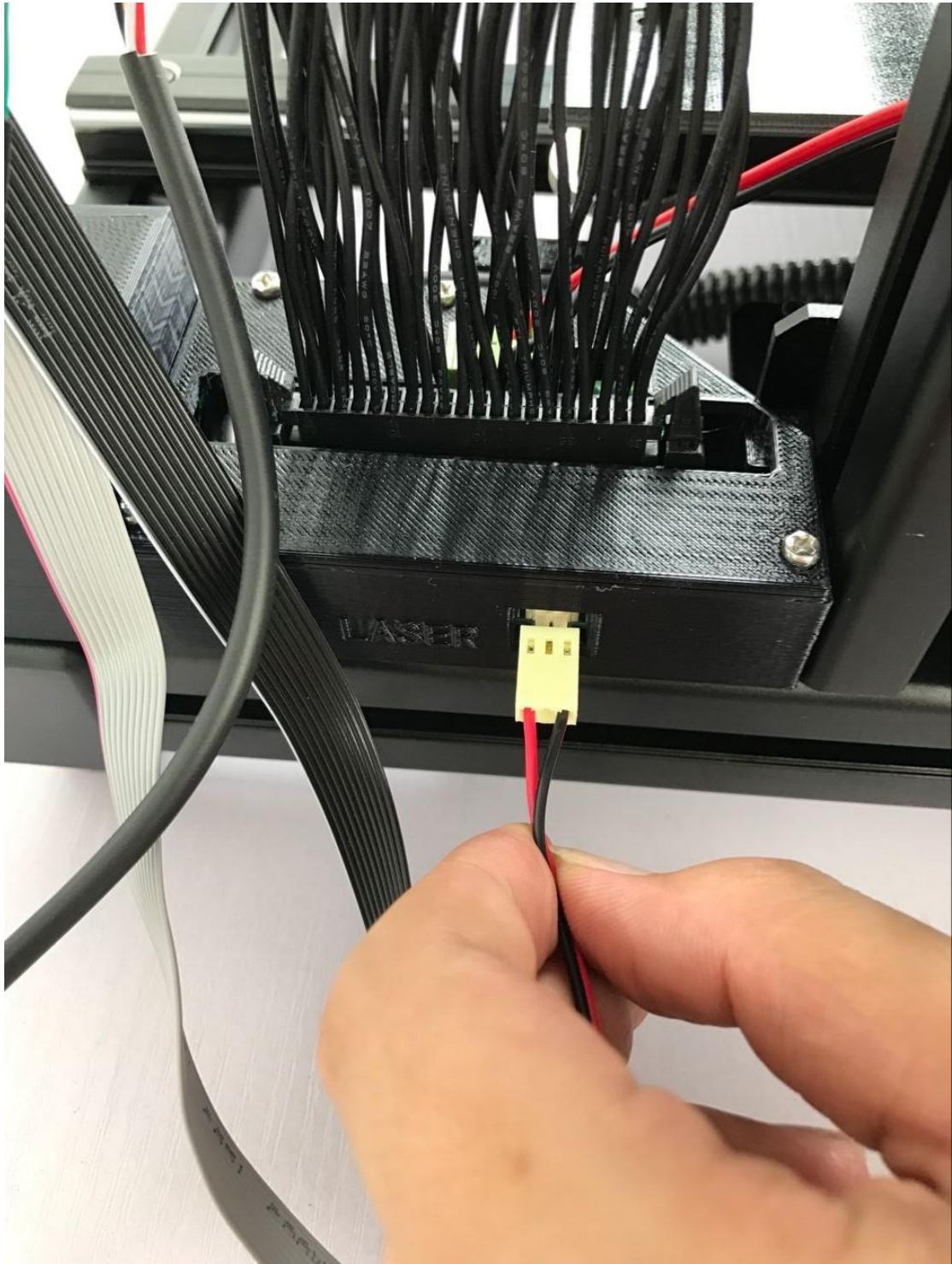
T-Rex 2+ adopts a powerful and stable TTL laser engraver, it has an independent power supply.

Manual of Assembly

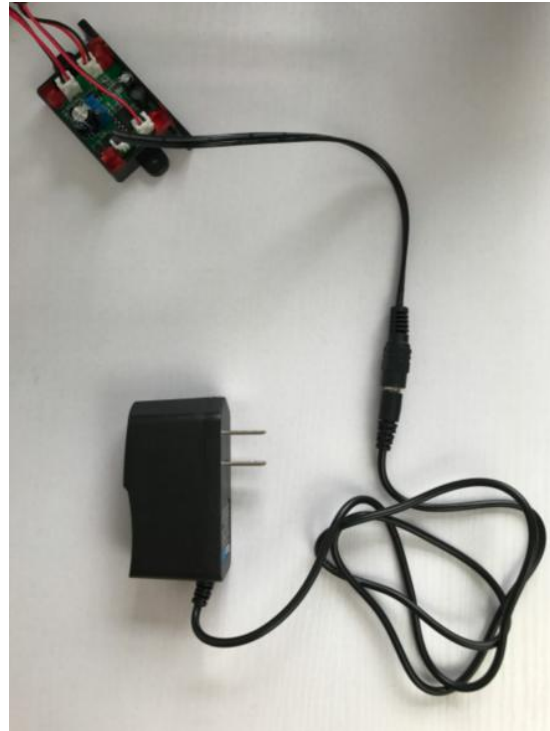
First, please fix laser engraver on the right side of left extruder.



Then connect TTL signal wire to printer.



Connect power supply.



Then rotate the lens of laser to adjust focal point. The smaller focal point, the better engraving performance.



Finally, please revise the file name from .nc to .gcode, then save it in SD card for printing.

Note: Please wear protective glasses before laser engraving. Or else, it'll cause damage to eyes. The power of laser is quite high, so it's suggested to work within 2 hours. Or else, it'll cause damage to engraver.

Manual of Software

We recommend two kinds of laser engraving software.

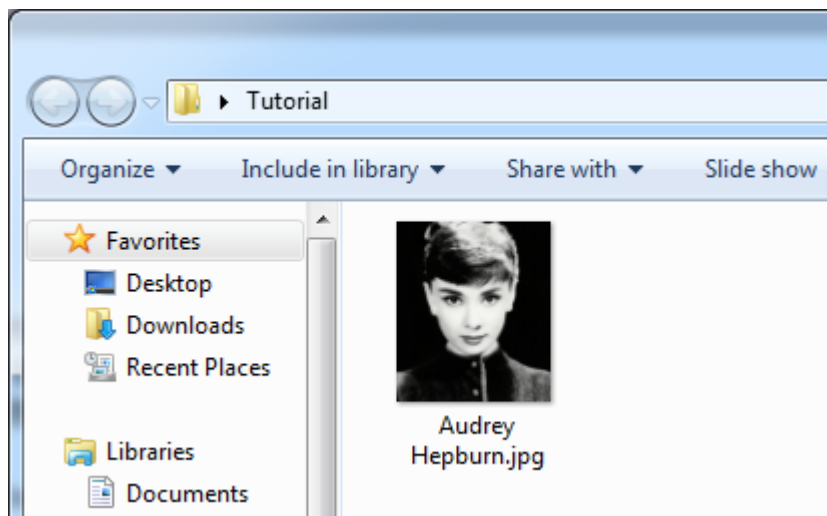
1. Dragonfly (developed by FORMBOT)
2. Inkscape (we will provide relevant plugins)

The Manual of Dragonfly

It's easy to use, but only supports Windows system.

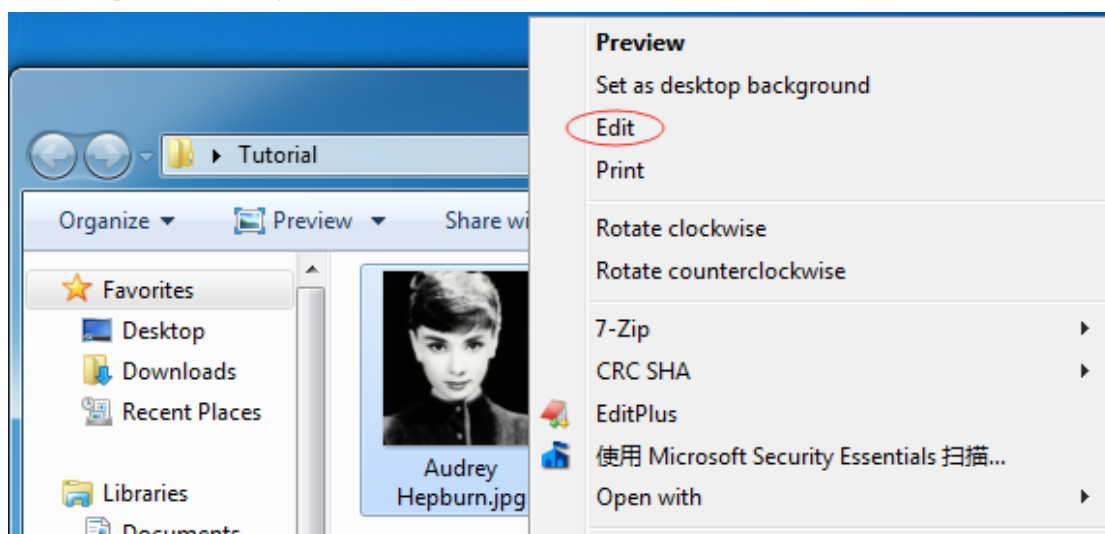
Image Engraving

For example, you have a picture of Audrey Hepburn, its format is jpg/jpeg/png and so on, now you shall transfer it to 24-bit bmp picture first.

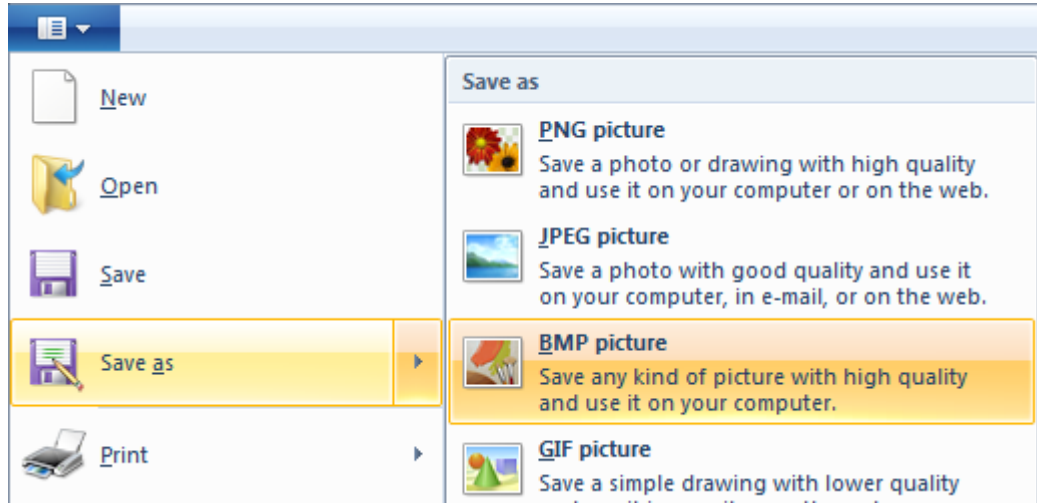
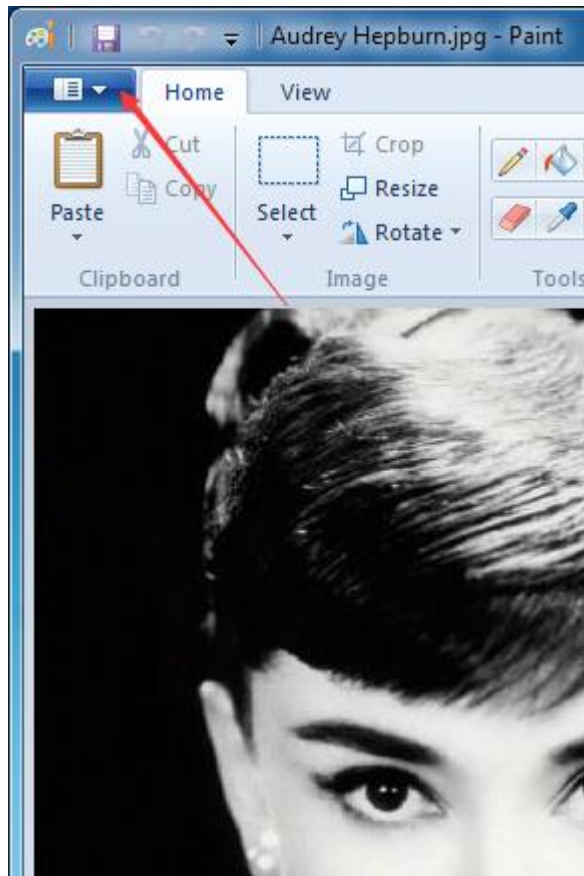


Windows has photo editing function, you can transfer pictures as below:

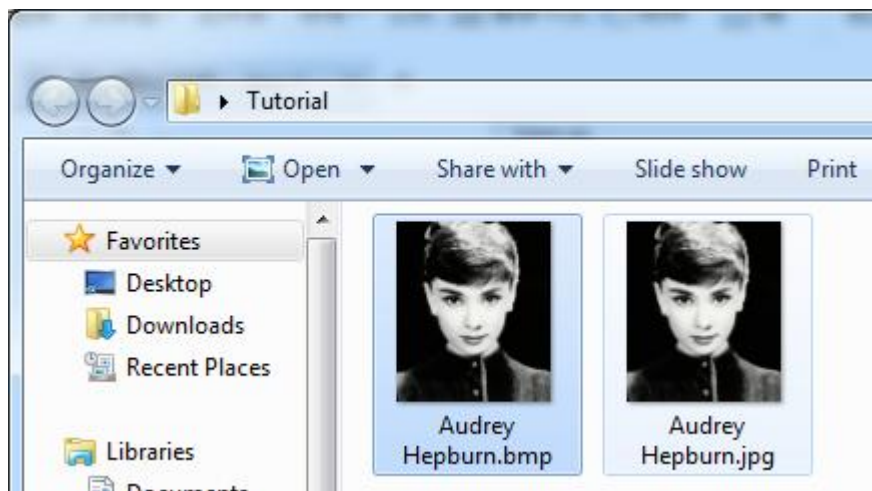
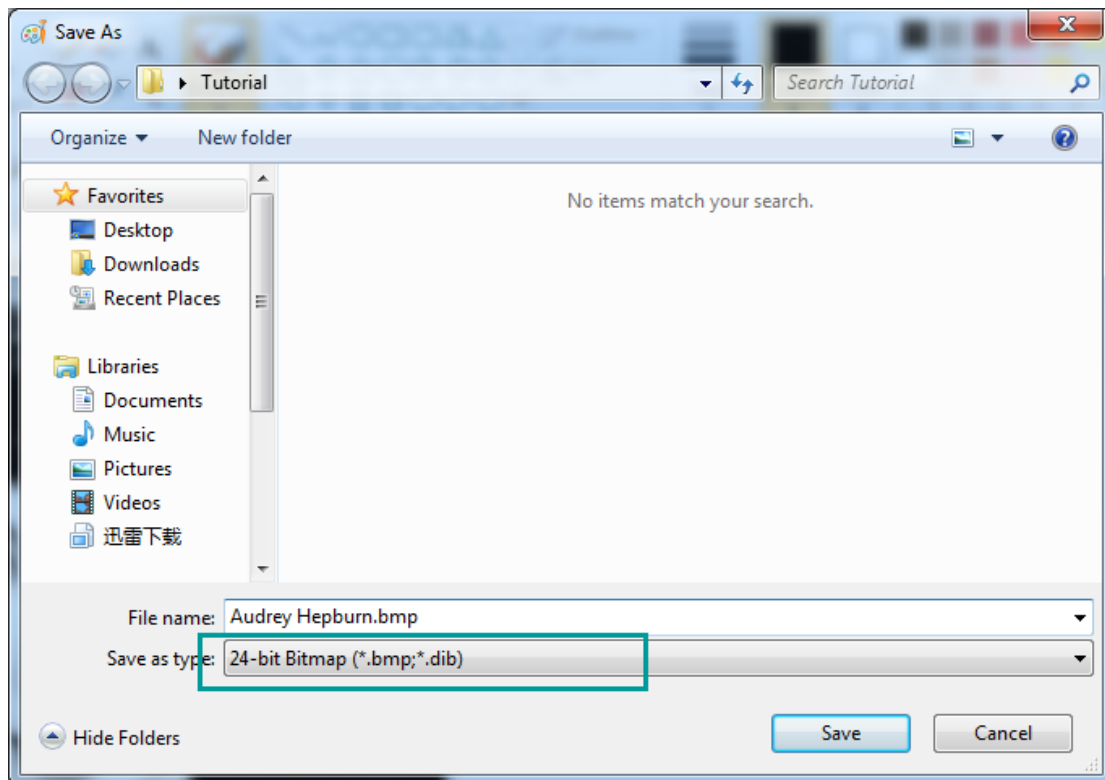
left click picture → right click → click “Edit”



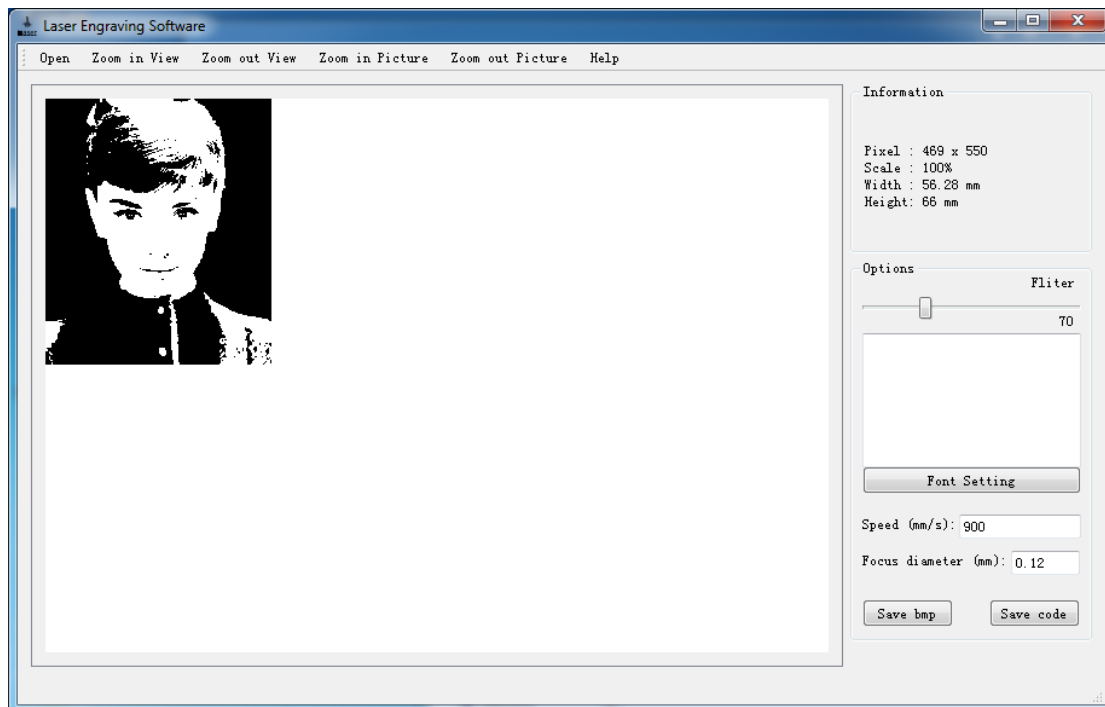
→ Choose “Save as BMP”



Then it'll be saved as 24-bit bmp picture automatically.



Then please open “Dragonfly.exe” and open above bmp picture in software.



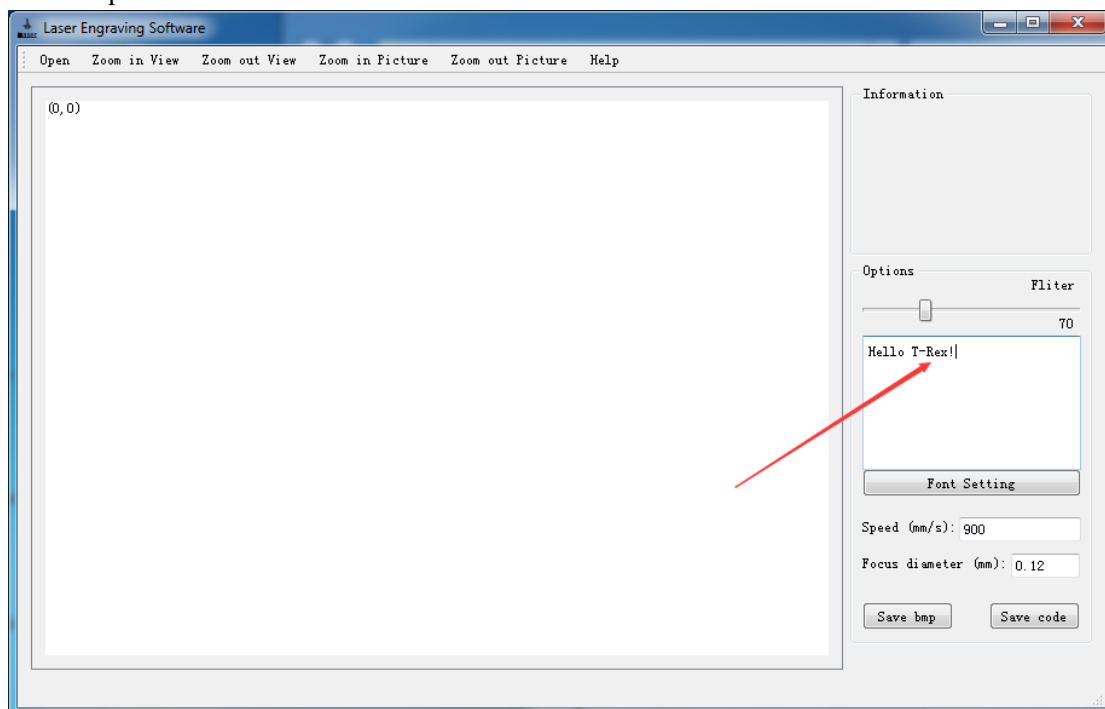
Please open “Help” in menu, which is specific introduction for functions.

You can click “Save code” to export engraving file.

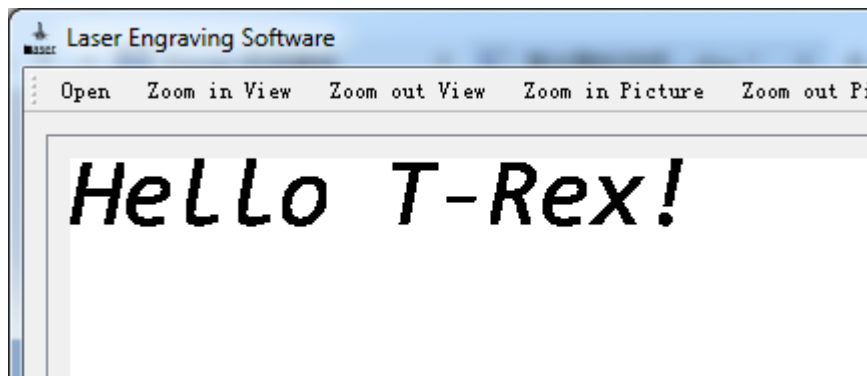
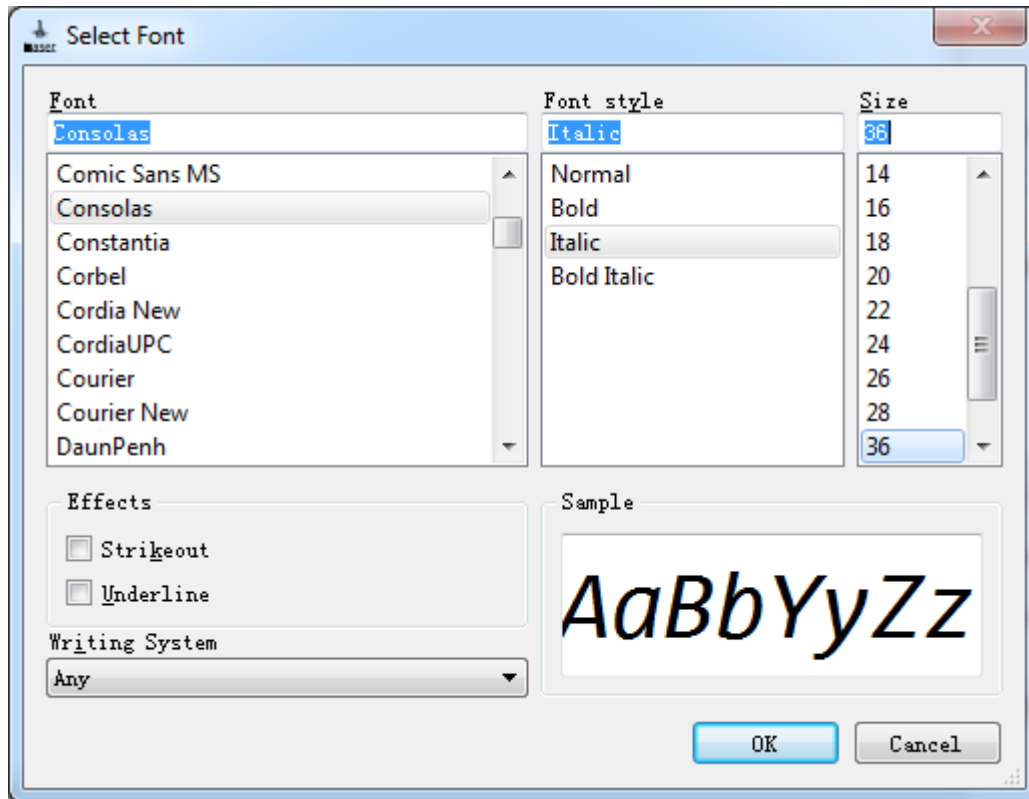
If you want to save picture, please click “Save bmp”, then it’ll be saved as 8-bit picture, convenient for next carving.

Characters Engraving

Please input some words here.



Then click “Font Setting” to choose font style and size as below:



Then set a certain value for speed and focus diameter. The lower speed, the deeper carving traces. Finally, click “Save code” or “Save bmp”.

The Manual of Inkscape

Please click <https://inkscape.org/en/download/> to download software and complete installation.

For example, my installation directory is D:\Program Files\Inkscape

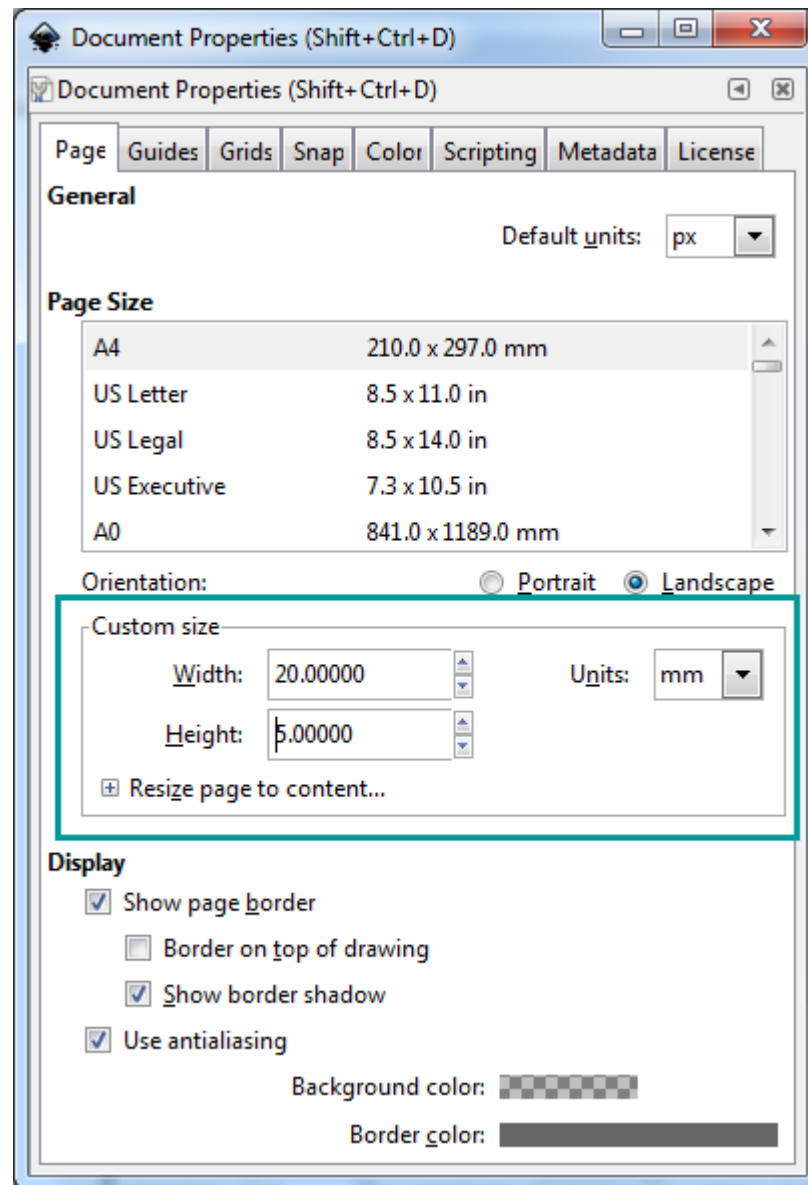
Then please copy 4 plugins(in the file of laserengraver) to below directory:

D:\Program Files\Inkscape\share\extensions\

Now you can use Inkscape software formally.

Step1.

Please open software → File → Document Properties, setting values as below.



Then close above window, slide mouse when pushing down “Ctrl” button, so as to zoom view.

Step2.

Click below Icon to input characters.



Hello T-Rex!

Step3.

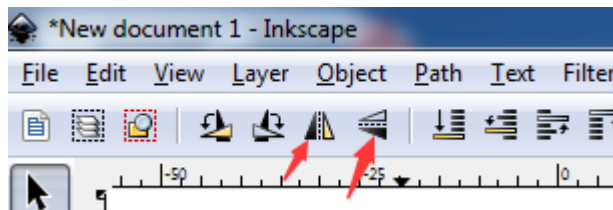
Click below Icon —> click characters.



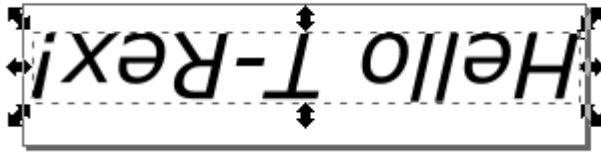
Hello T-Rex!

Step4.

Start to mirror.



Click above two Icons in turn, then you can get below result.



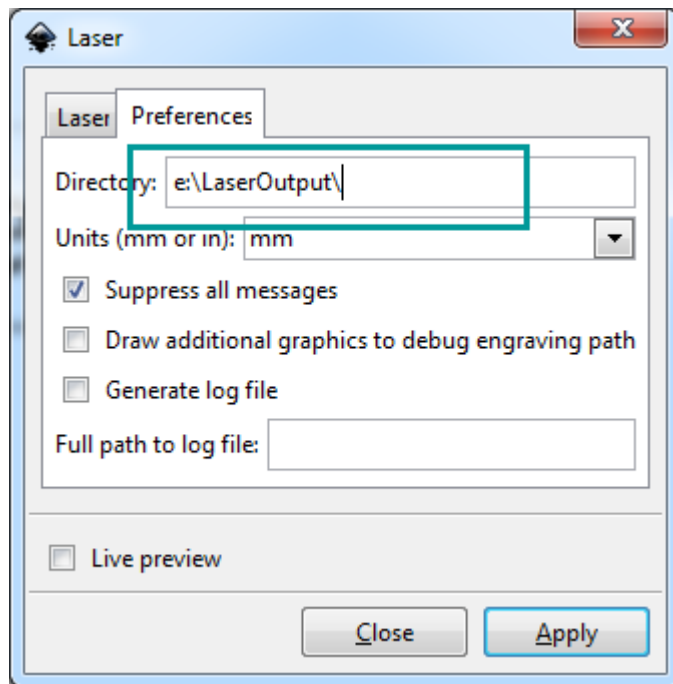
Step5.

Please click Path → Object to Path

Then click Extensions → Laserengraver → laser

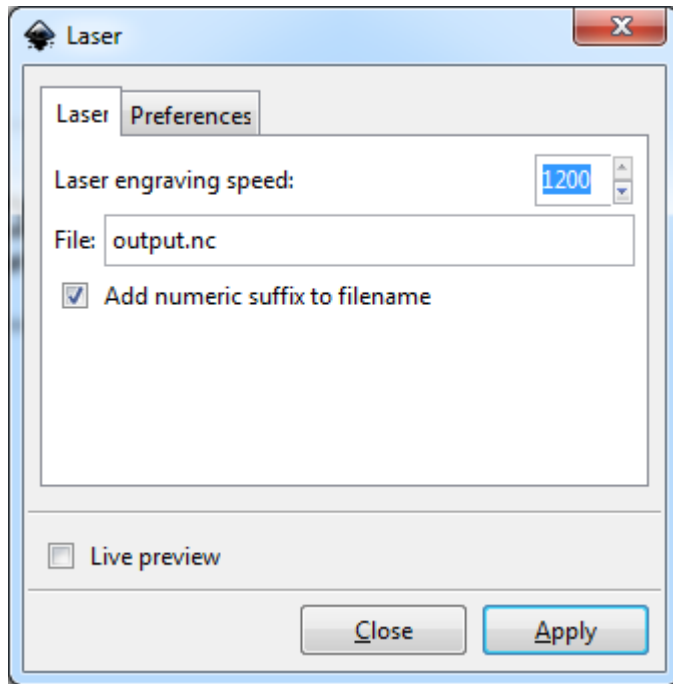
You shall create folder first, for example, we create a folder named “LaserOutput” in Disk E .

Then please type the path into Preferences → Directory as below:



Step6.

Please set a value for speed, then click “Apply”.



After a while, the engraving file will be saved in LaserOutput.

