



PRECISION · ACCURACY

VULCAN

USER'S MANUAL

Software
FC-500VC

Contents

VulcanTecpro SIGNCUT PRO 2 USER MANUALContents 1

1. INSTALLATION, PREFERENCES, AND WORKSPACE 2

1.01 INSTALLING SIGNCUT 2

1.01.1 Selecting and Downloading the Software 2

1.01.2 Installing Your Cutter 2

1.01.3 Installing AI plugin 3

2. Design, Create contour, Create registrationmarks, send file to software 4

2.01.1 Design 4

2.01.2 Create contour 5-6

2.01.3 Create registrationmarks 7

2.01.4 send file to software 9

3. SignCut Pro 2 Screen,Setting contour by SignCut,Send file to machine 10

3.01.1 SignCut Pro 2 10

3.01.2 Setting contour by SignCut 11-14

3.01.3 Send file to machine 15-17

USB flash disk

USB cable

WI-FI connection

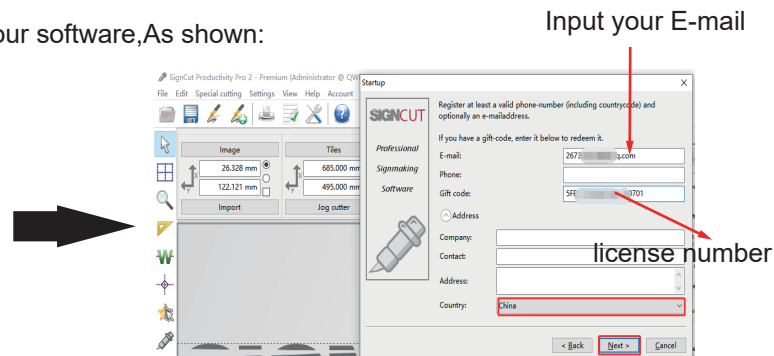
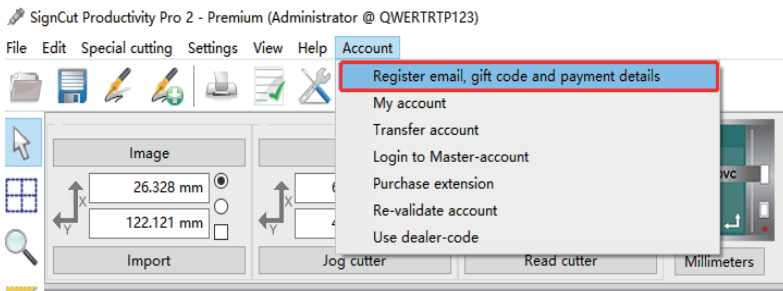
LAN cable

1. Installation, Preferences, and Workspace

1.01 Installing SignCut

1.01.1 Selecting and Downloading the Software

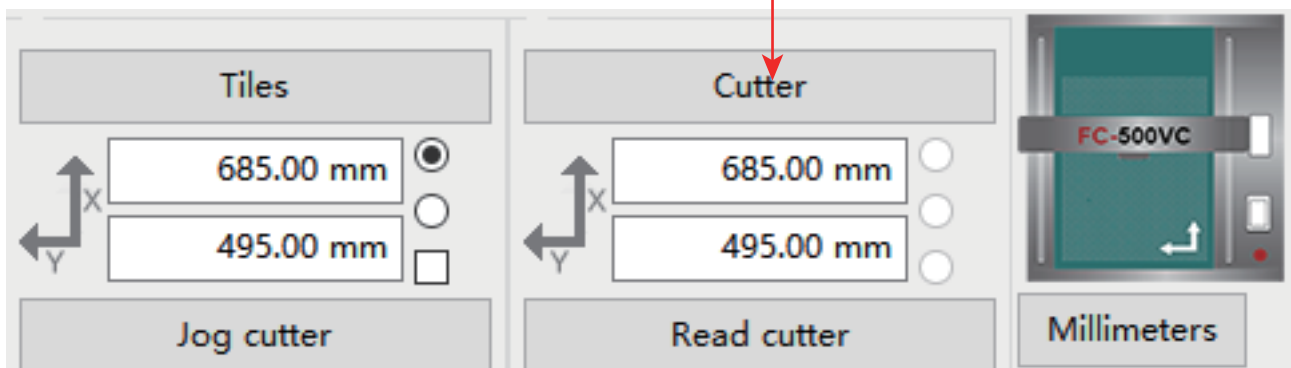
1. Please selecting SignCut Software from U-Disk and installing .
SignCut Pro 2 is perfectly up to date. Always adapted to the latest OS, Can be download from the following link:
<https://signcutpro.com>
2. In some cases, a virus protection software may warn users that there are potentially dangerous files. It is perfectly safe to install this program so temporary changes or disabling of your virus protection program may be required. After installing SignCut Pro 2, you can reestablish your virus protection.
3. The program can be used without purchase for three weeks, as long as SignCut2 has not been previously installed on that computer.
4. Note that three programs will be installed: SignCut Pro 2 (the program you will use for cutting), SignCut Draw (a program you can use for designing) and, optionally, SignCut Spooler (a program you can use for managing completed jobs). You can also import a range of vector file formats into SignCut Pro 2 if you prefer to design in a different vector program.
5. Please find license number from U-disk. Then activate your software, As shown:



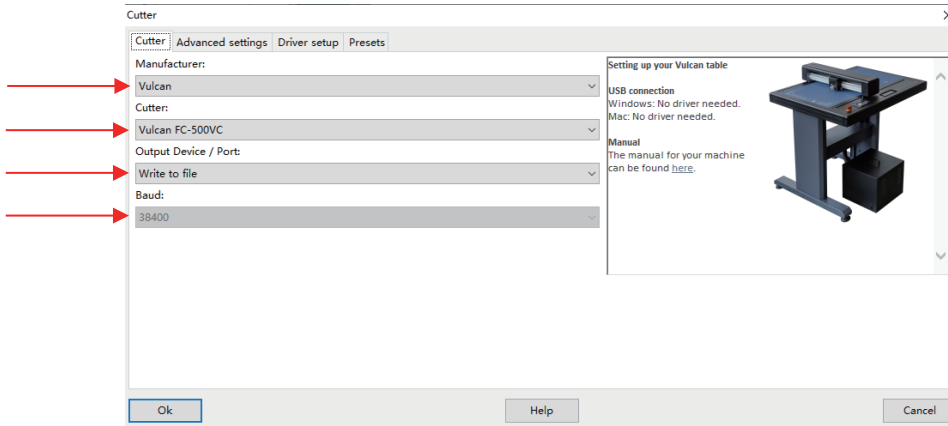
1.01.2 Installing Your Cutter

Click on Cutter

1. Open SignCut Pro 2 and click on the **Cutter** button near the top of the screen (or go to **Settings>Cutter**):



2. The **Cutter** window will open. From each drop-down menu, select the **Manufacturer**, **Cutter model**, **Output Device/Port**, and **Baud** rate (when applicable) as follows:



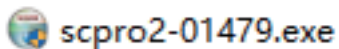
3. Note the following regarding the options under **Output Device / Port**:

- **USB001:** Choose this option for true/direct USB connectivity.
- **TCP/IP:** Choose this option for wireless connectivity and a window will pop open in which you will then need to enter the **Host/IP Address** assigned to your cutter and the **Port** assignment.
- **Write to File:** Choose this option if you are always exporting the file as a **PLT file**. You can copy this **PLT file** to **U-disk** (Drive the machine).

4. After entering your connection information, click on **OK**. Note that you can return to this window at any time to change your connection preferences.

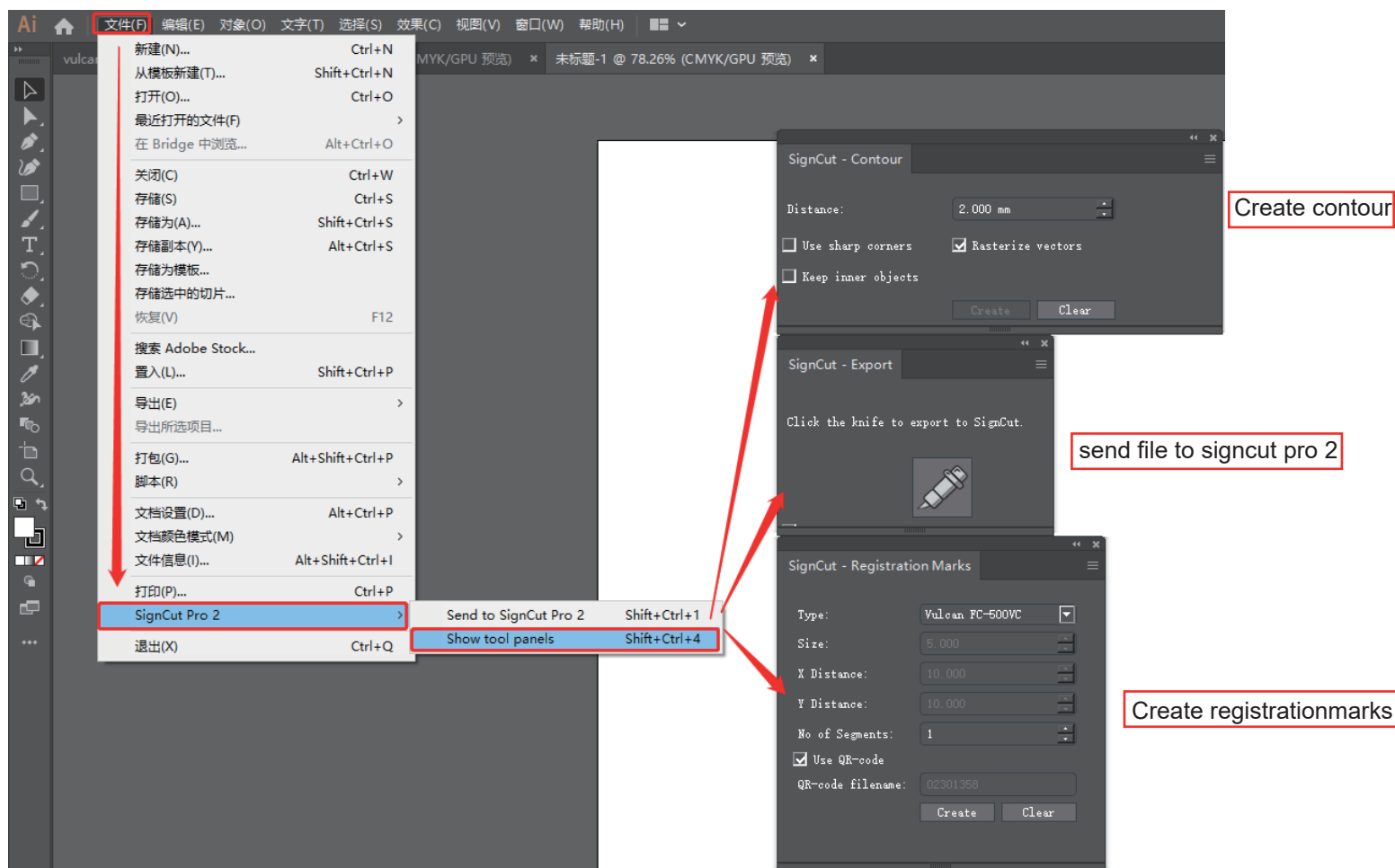
1.01.3 Installing Your Software Plugin

1. Open this EXE file from U-disk.



2. Click this .exe file and installing Software, Then plugin will be installed automatically. (P.S: When you installing, please close Coreldraw and AI).

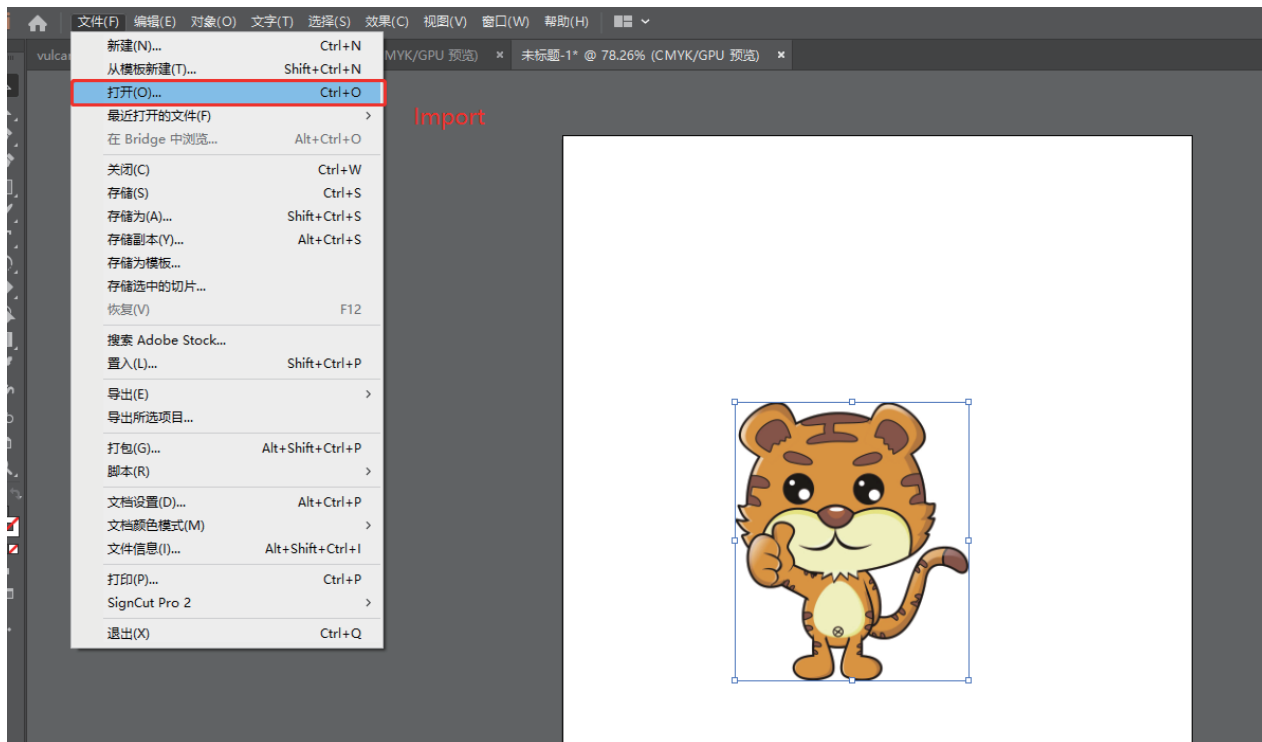
3. Open your AI software. As shown



2.Design,Create contour, Create registrationmarks, send file to software

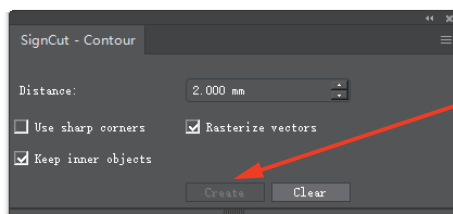
2.01.1 Design

1.Import your file to AI software or Design by AI software.



2.01.2 Create contour

1.Click the “Create”button and automatic create contour.



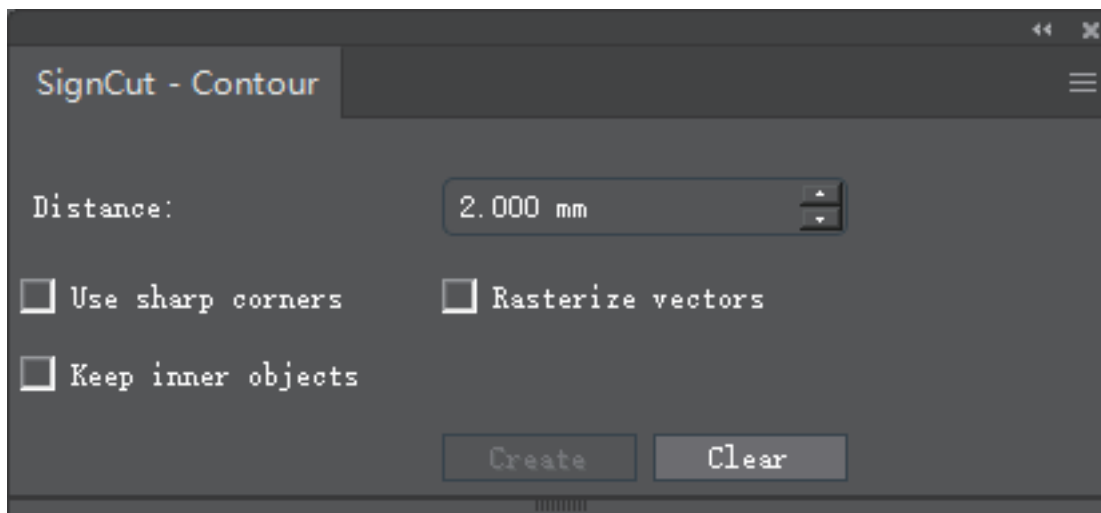
Select “Create”



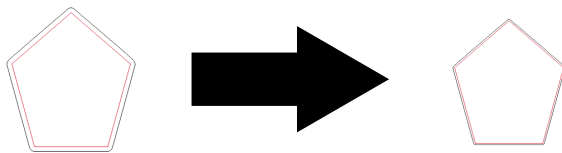
Contour

You can increase or reduce the cutting line and creasing line.

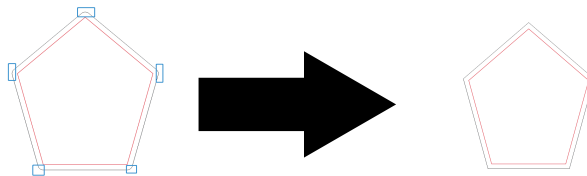
PS.Cutting line and creasing line must be different color.



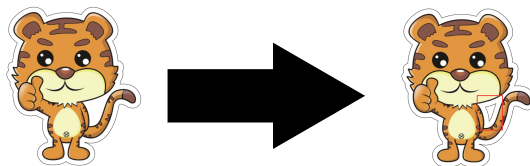
- **Distance:** The outer contour line and the distance from the original image. As Shown:



- **Use sharp corners:** The software default: rounded. Rounded to Acute Angle. As Shown:



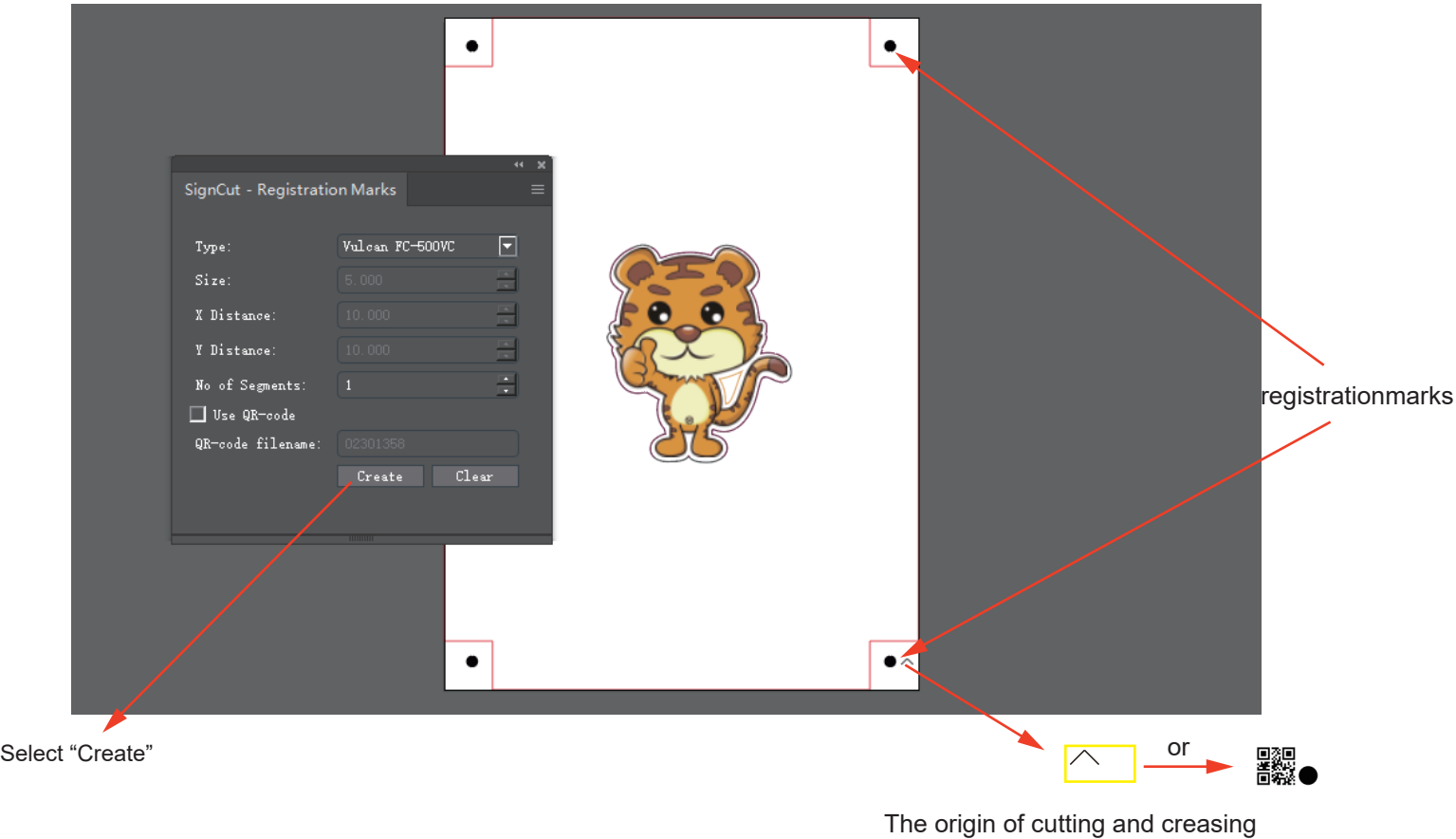
- **Keep inner objects:**



- **Rasterize vectors:** Make the contour Rasterize vectors.

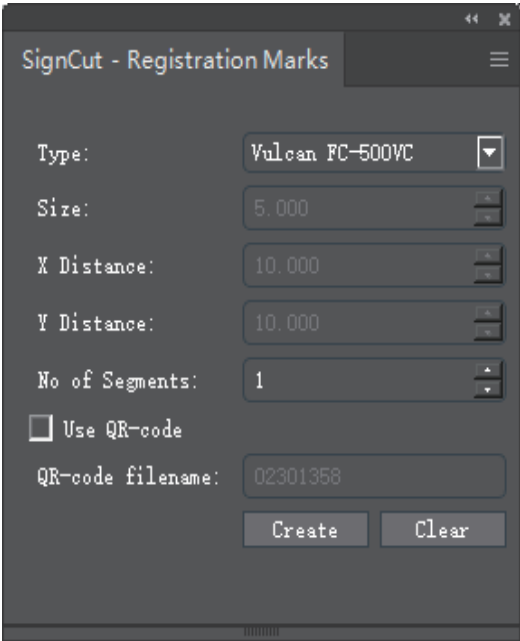
2.01.3 Create registrationmarks

1.Click the “Mark”button and automatic create registrationmarks.



Select “Create”

The origin of cutting and creasing



- **Type**: Choose the machines model:Vulcan-500VC or Vulcan SC-350.
- **Size**:default
- **X Distance/Y Distance**:default
- **No of segments**:software default is 4 **Marks**,you can increase number of **Marks**.
- **Use QR-code**:your file will be save to QR-code.
- **QR-code filename**:Software random generation.

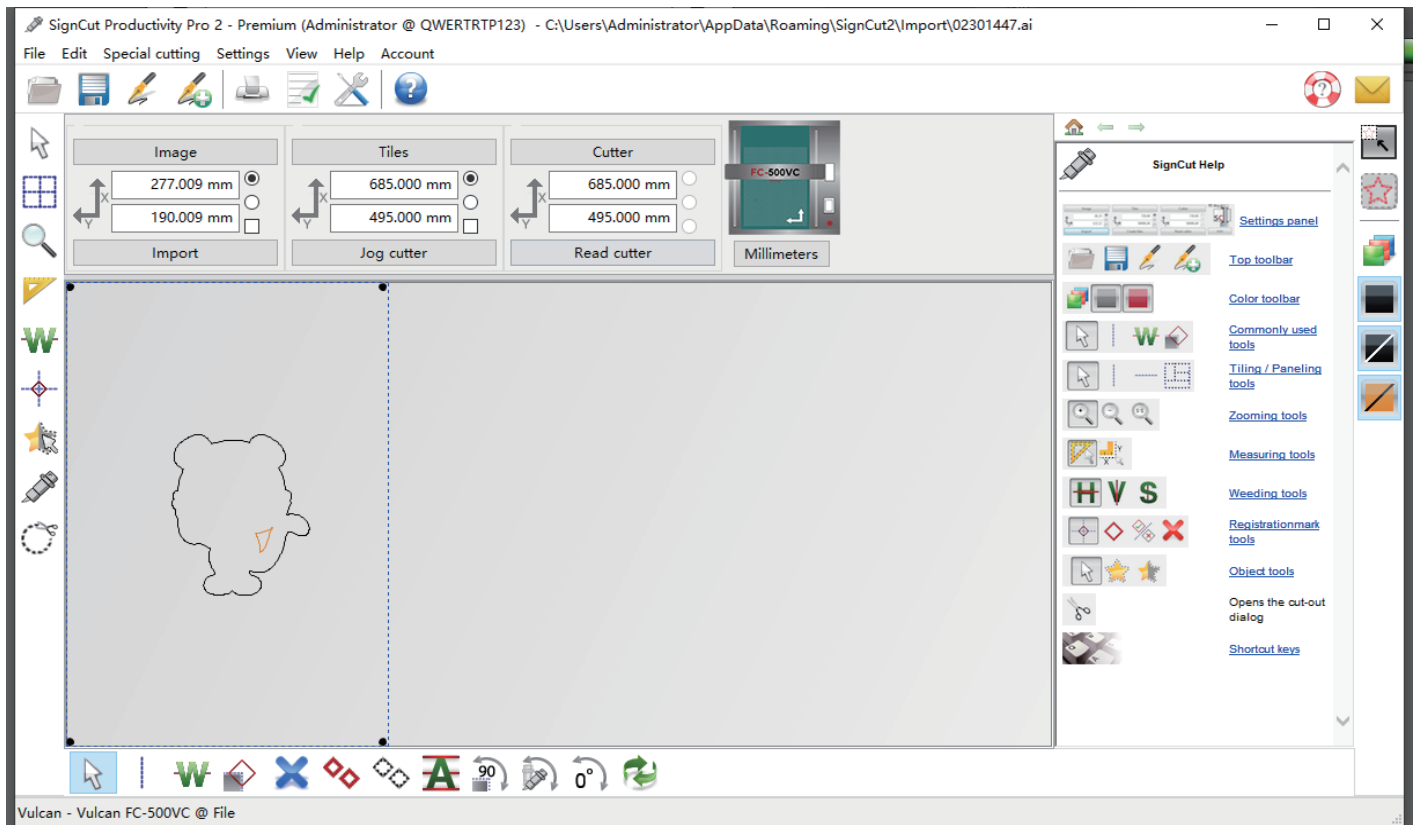
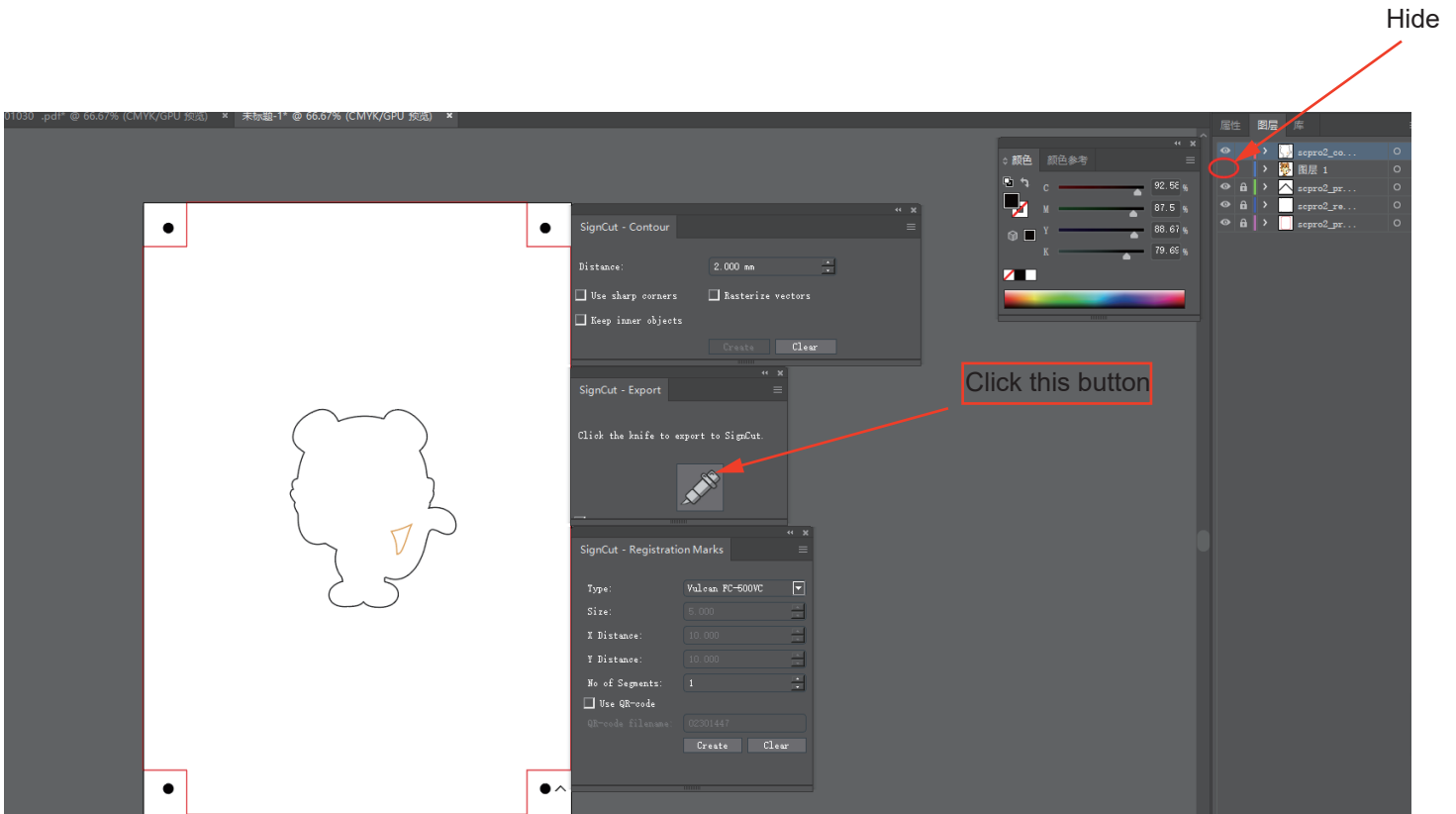


Then you can print it directly by AI software.



2.01.4 send file to software

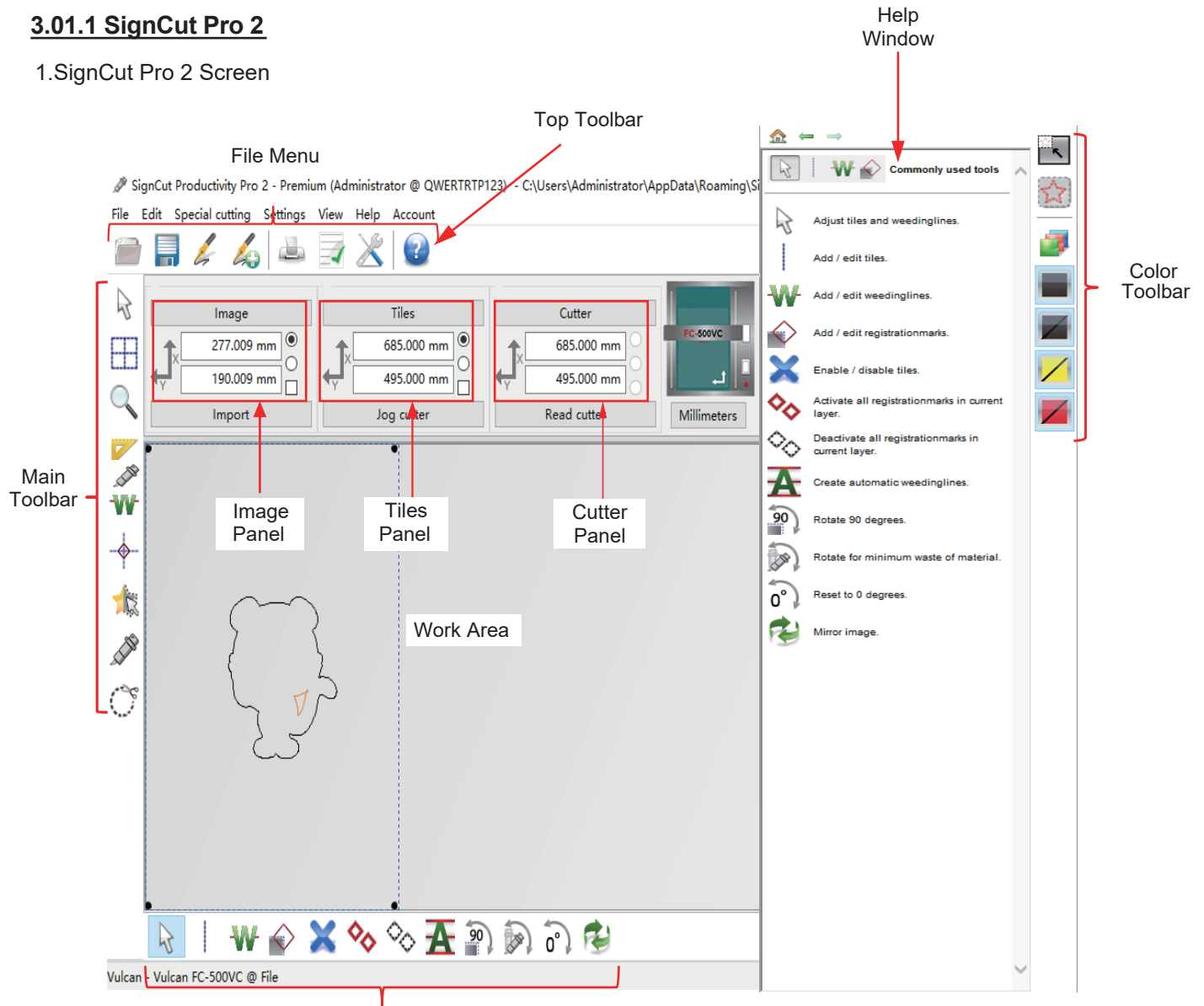
1.Hide your design files,Then Click the “Blade tool”button and send contour to signcut pro 2 software .



3. SignCut Pro 2 Screen, Setting contour by SignCut, Send file to machine

3.01.1 SignCut Pro 2

1. SignCut Pro 2 Screen



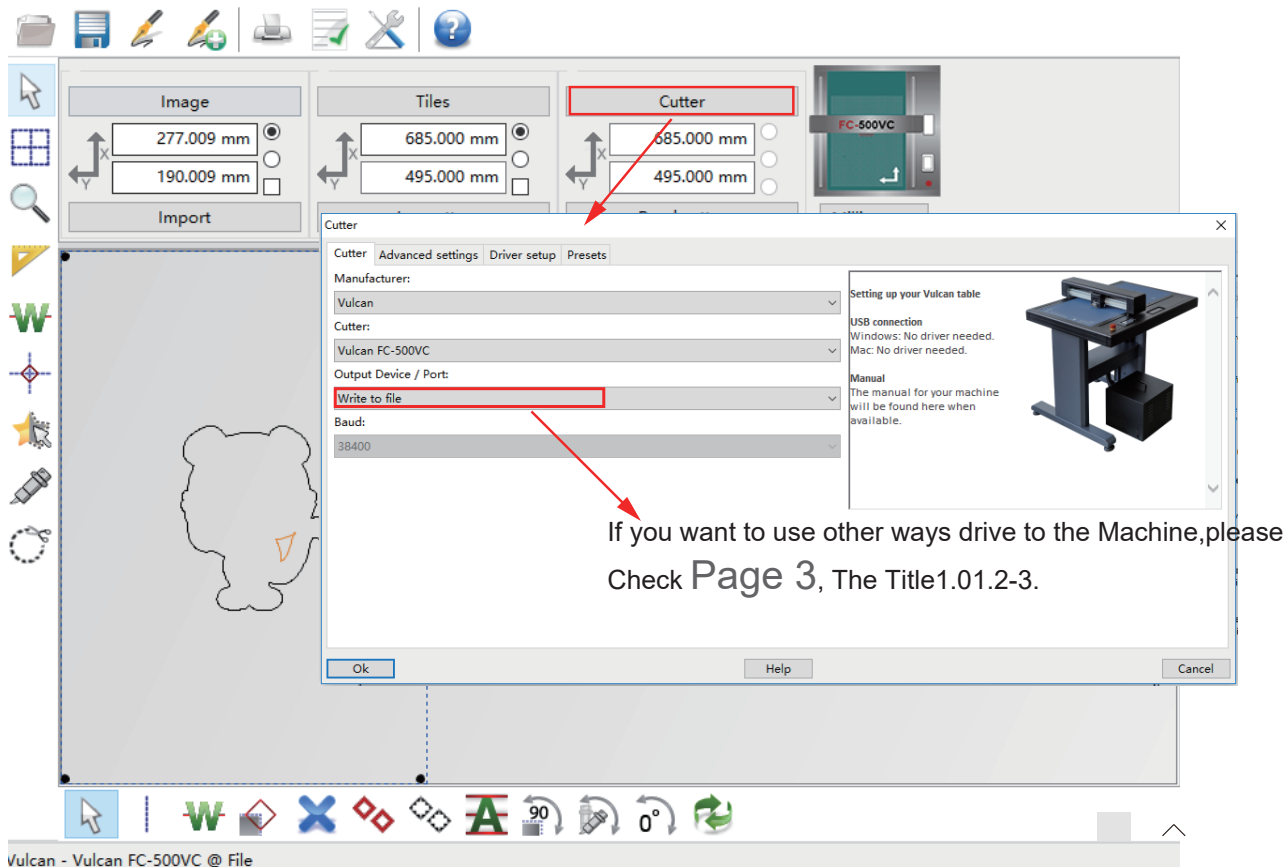
Sub-toolbar – icons change depending on which tool is activated on the **Main Toolbar**



- Hovering your mouse over most of the screen icons will pop up the icon's name and available shortcut.
- On the **Main Toolbar**, the shortcut keys (top to bottom) are in the same order as the top row of alphanumeric keys on your keyboard (left to right: **Q, W, E, R, T, Y, U, I, O**).
- On the **Sub-toolbars**, the shortcut keys are in the same order as the bottom row of alphanumeric keys (left to right: **Z, X, C, V**, etc.). I think this has been replaced with toggling of the Q,W,E ... keys. There is a number method as well? I mean Q,W,E ... + number.
- This manual also presents information by topics versus location on the screen. If you need to look up all the functions on one particular bar, panel, or menu.

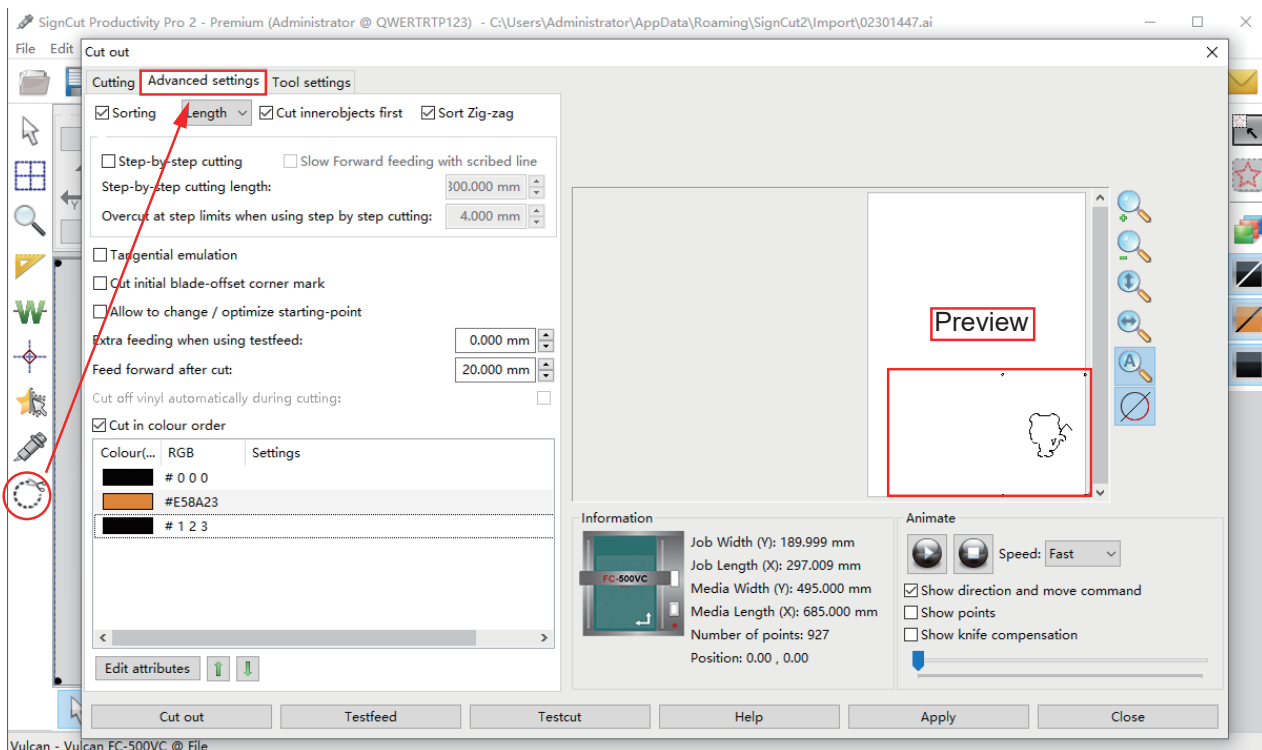
3.01.2 Setting contour by SignCut

Setting U-disk file(Plt file)

1. When you click “Cutter” button, Then select “Manufacturer(Vulcan)” “cutter model(Vulcan FC-500VC)” “Output Device/port(Write to file)”.

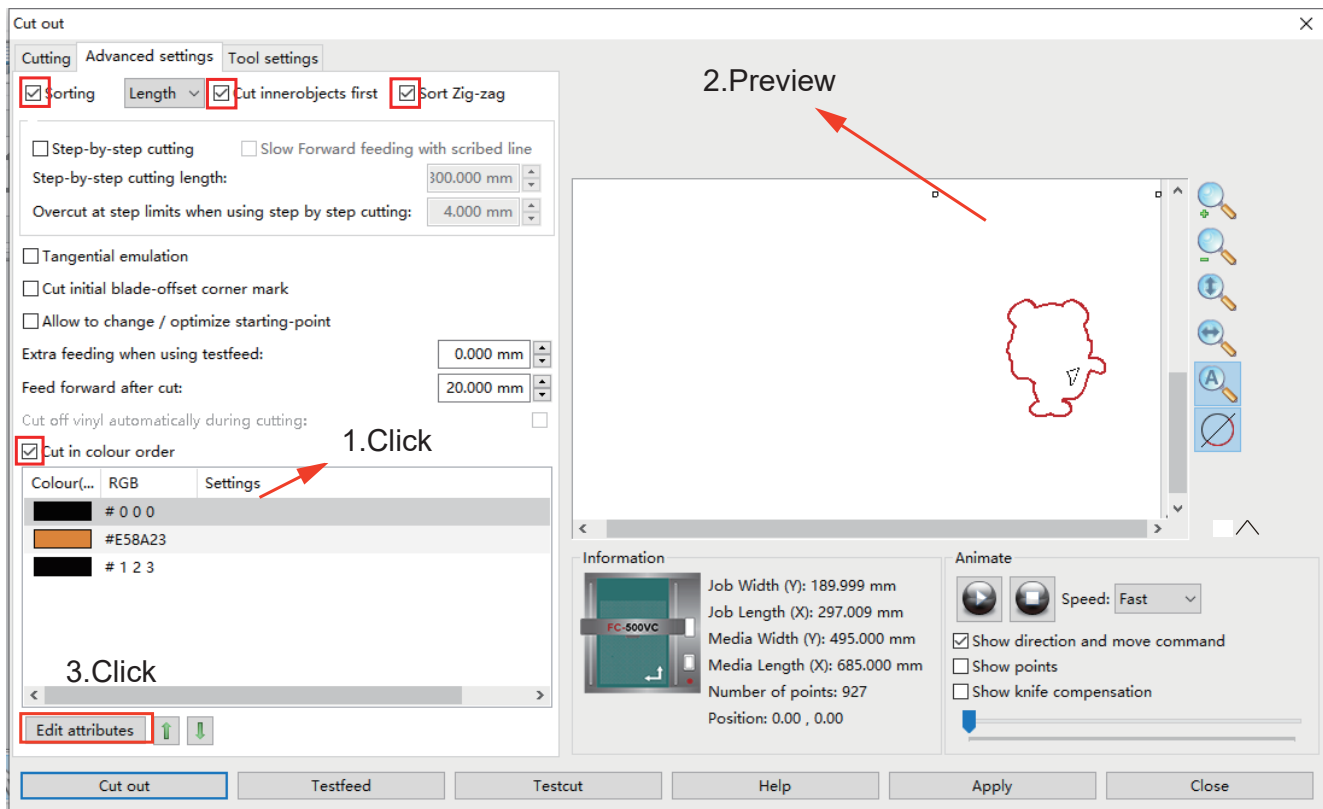


2. Click  button (contour cut with scan registration marks), Then select “Advanced settings” to setting Tool 1 and Tool 2 parameter. Click  button (contour cut doesn't need registration marks), Then select “Advanced settings” to setting Tool 1 and Tool 2 parameter.

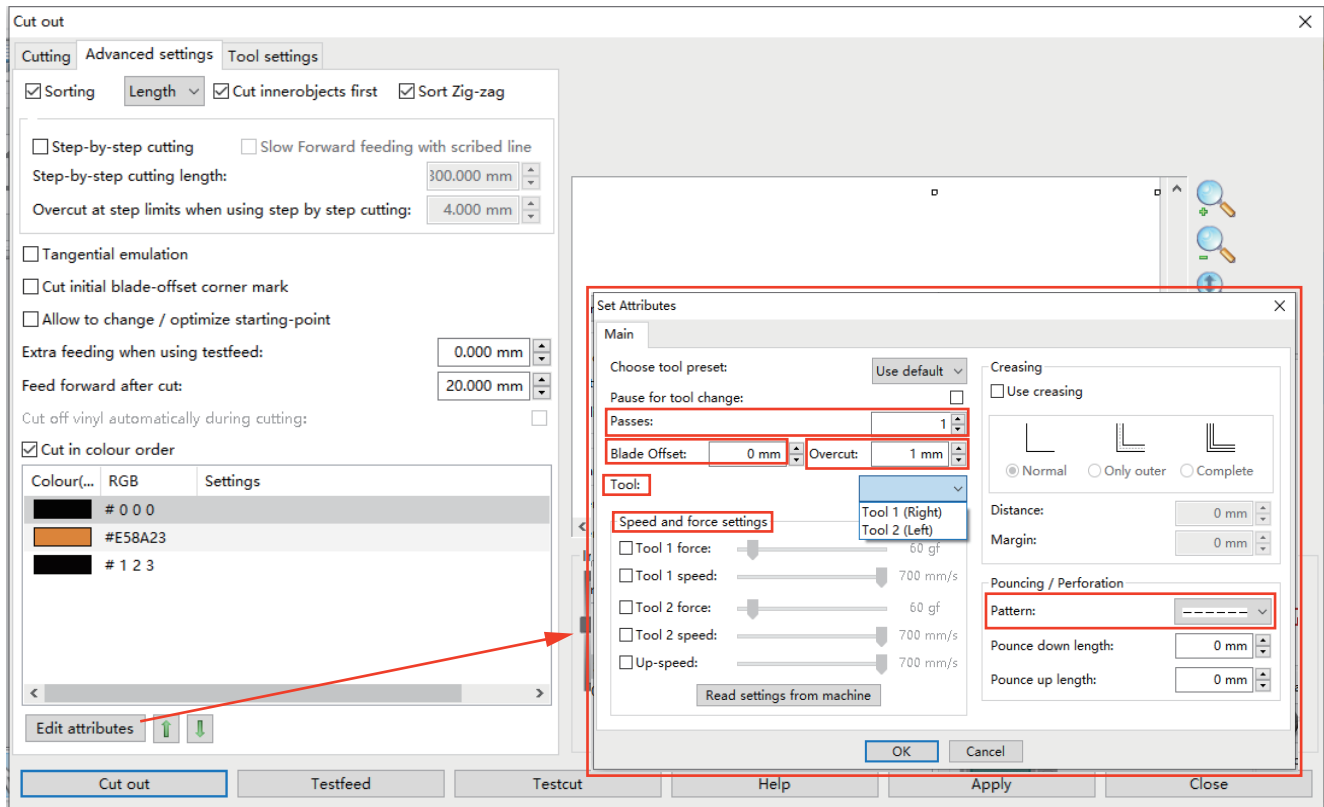


3. please Select edit the line(creasing line and cutting line).

- Select “Sorting”: This is to activate “Cut innerobjects first”.
- “Cut in colour order”: after creasing tool run first and the cutting tool running.



4.After preview first and the enter “Edit attributes”.



- “Passes”:Repeat running(creasing tool and cutting tool).

- “Blade Offset”: ☐ → ☐

This is according to thickness of the materials.≤200GSM,Blade offset:0.3mm. ≥350gsm, Blade offset:0.5-0.65mm.

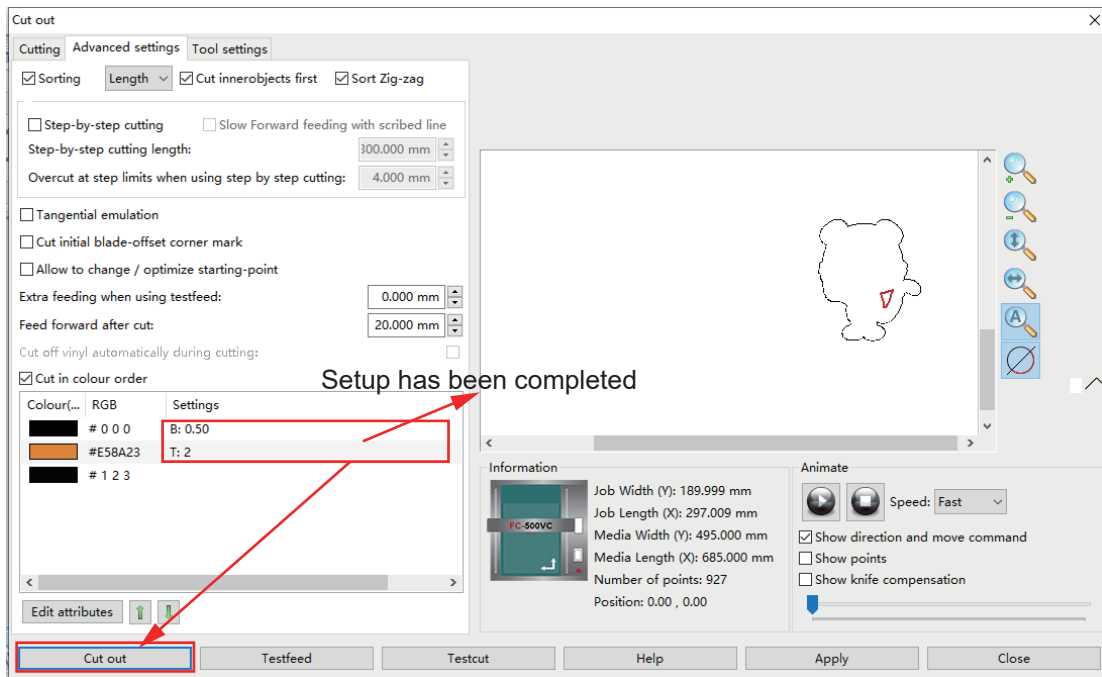
- “Overcut”: ☐ → ☐ Just for Cutting Tool.

- “Tool”:According to the color of the line selection tool.Tool 1(Right):Cutting tool. Tool 2(Left):Creasing tool.

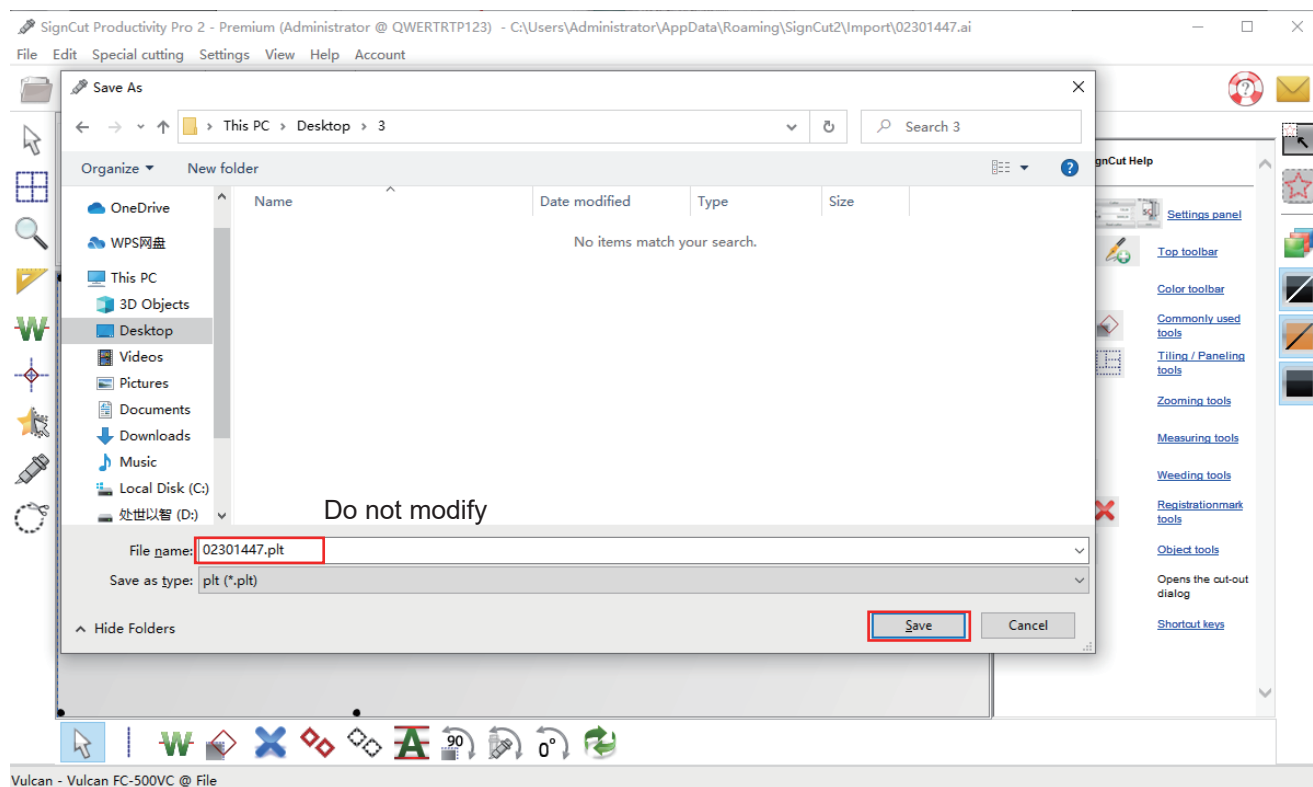
- Speed and force settings:Preset tool 1/2,speed and force or you can “Read setting from machine”.

- “Pattern”:Create dotted line.

5. Save this contour file and copy to U-Disk.



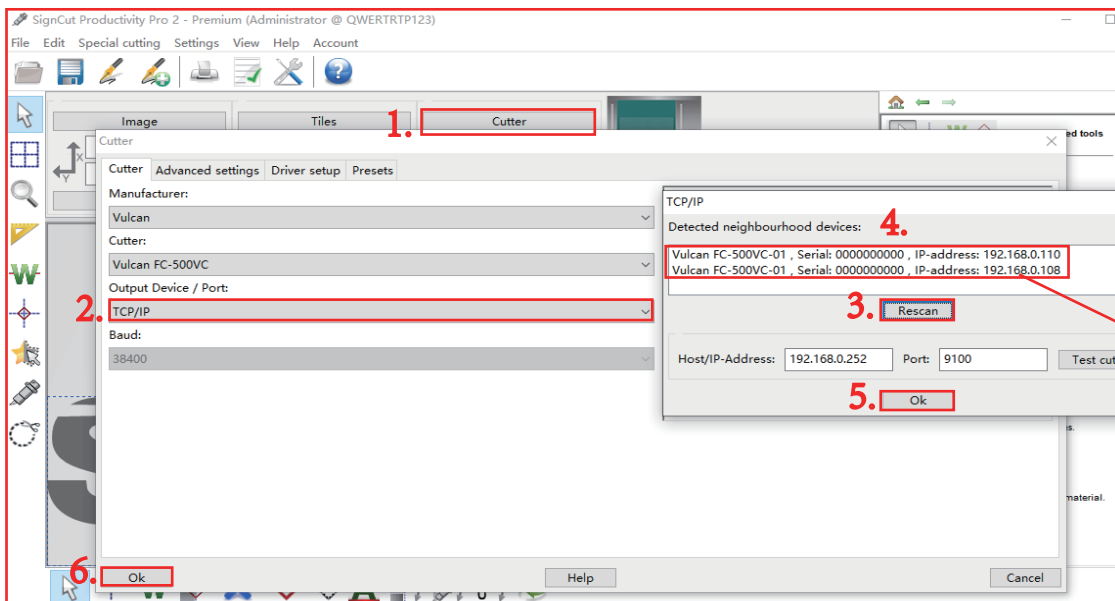
- When the Setup has been completed, then click “Cut out” to save as your PLT files.



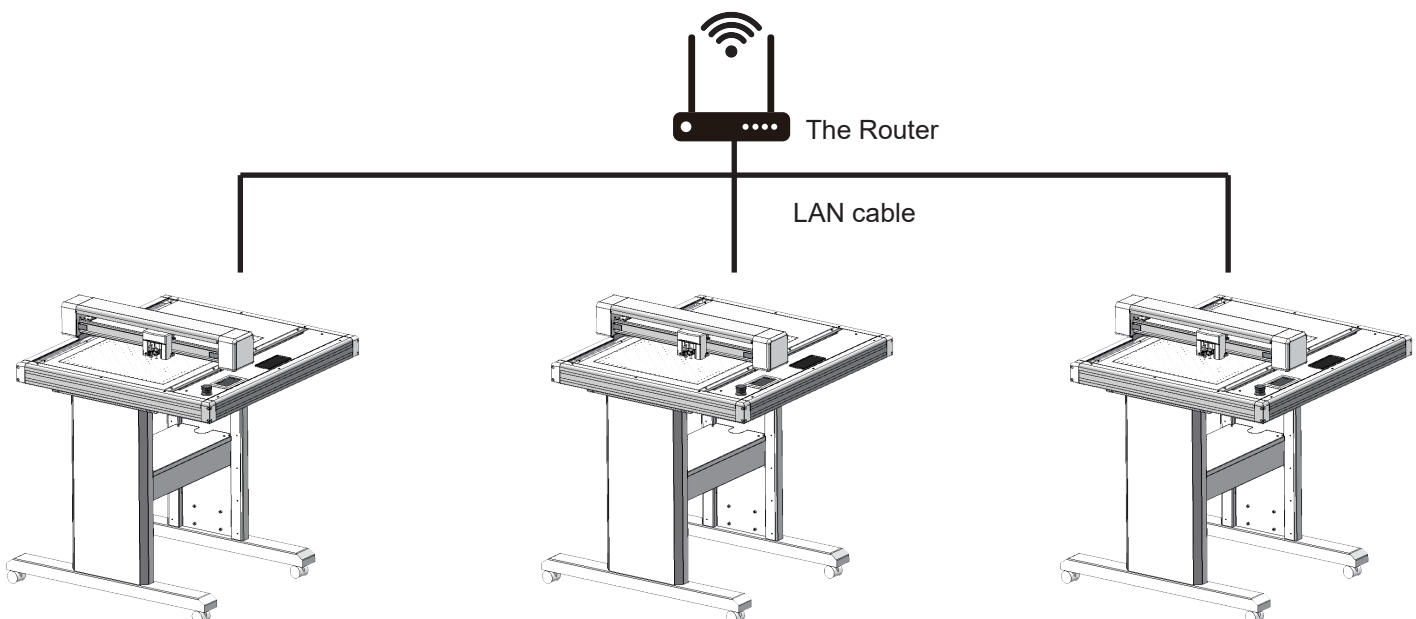
3.01.3 Send file to machine

- Copy to USB flash disk. Insert the U-Disk into the machine for reading (Please refer to Vulcan Users manual) .
- **USB cable** connection output: please check **Page 11**. The setting parameter is the same as U-Disk. But it doesn't need to be saved "Plt files", Click "Cut out".
- **WI-FI** connection output .
- **LAN cable** connection output.

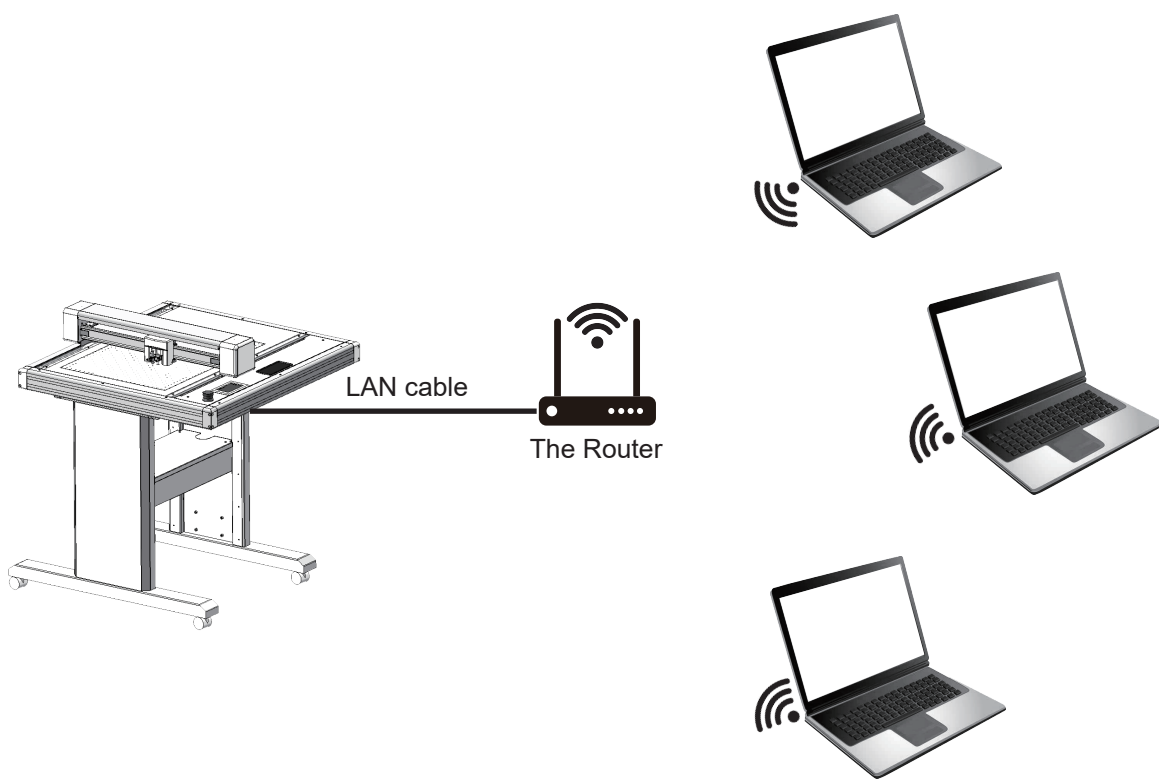
WI-FI connection



Select which IP can operate the corresponding machine. After operating one machine, select another IP in the same way to operate another machine. The number of machines you operate depends on the number of router interfaces you have.



Control different flatbed cutting plotters from one computer




Control one flatbed cutting plotter from multiple computers

Note: Just connect to the same network, Every computer can search the IP address of this machine and operate this machine. about setting parameter is the same as U-Disk, please check [Page 11](#) But it doesn't need to be saved "Plt files", Click "Cut out"

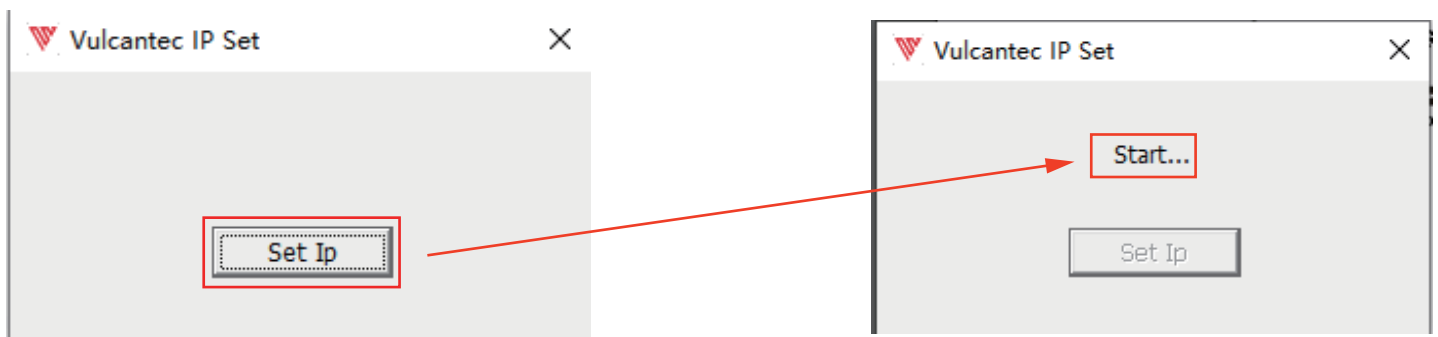
LAN cable

Connection PC and Machine by LAN cable first. Then open the machine.

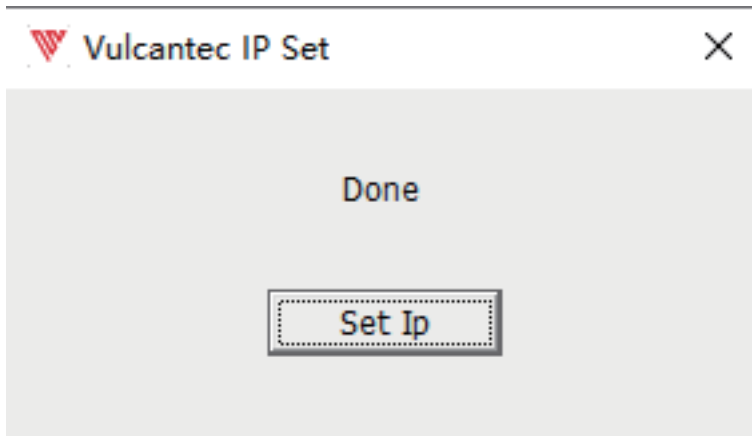
1, Please find this .exe file from U-disk.

 **MachinelPSet .exe**

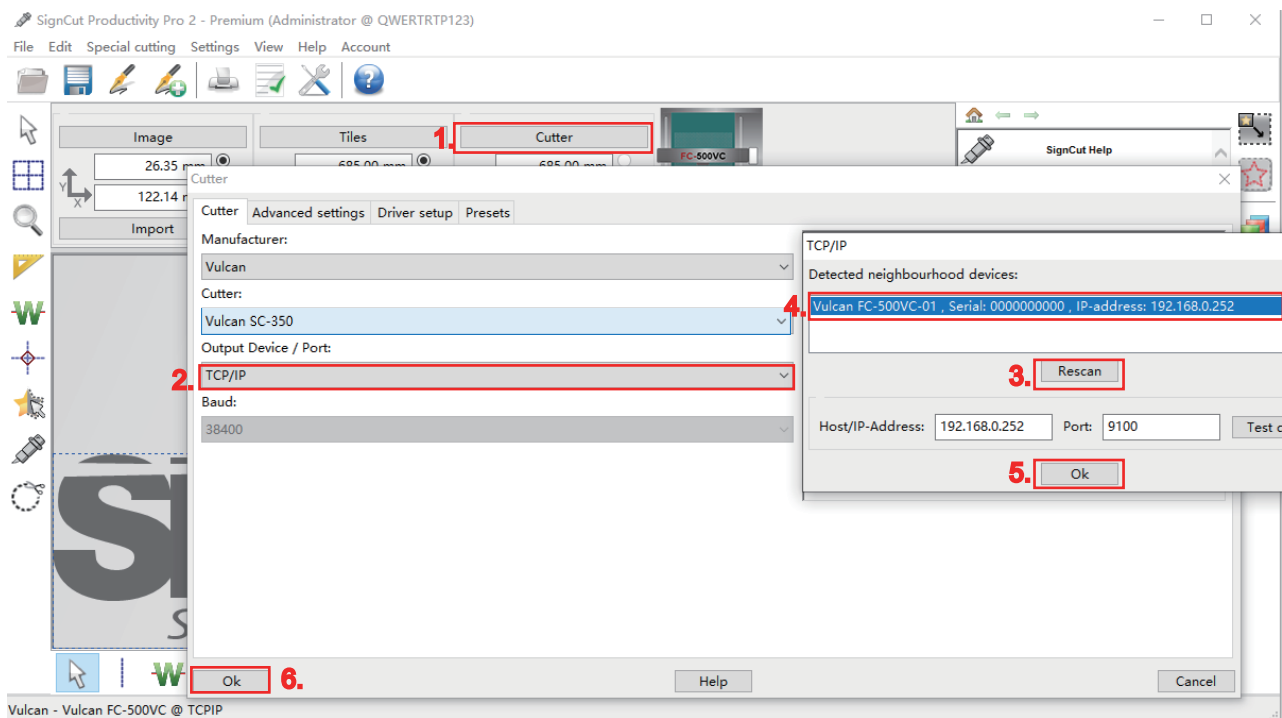
2, Click this software and running. As shown:



3,Done



4,Setup Completed.elect,Now return to your software,as shown:



About setting parameter is the same as U-Disk,please check **Page 10** But it doesn't need to be saved"Plt files",Click"Cut out".