



Table of Contents

1	Safety precautions	2
1.1	Safety using methods	2
1.2	Definition of warning symbols	2
2	Standard accessories	6
3	Installation	7
3.2	Leg frame	7
3.3	Installation and Use	8
3.4	Power connection	8
3.5	Serial RS232 cable and USB cable connection.....	8
3.6	USB cable	9
3.7	SD Card for optional (Secure Digital Memory Card).....	11
3.8	Media installation	12
3.9	Knife set and adjusting.....	14
3.10	Drawing pen installation.....	15
4	Operating instructions	16
4.1	Off-line/On-line.....	16
4.2	Media moves and car moves.....	16
4.3	Speed and pressure debugging.....	17
4.4	Pause function	17
4.5	Setting the origin	18
4.6	Media test strip debugging.....	18
4.7	Operation for Artcut software.....	18

1 Safety precautions



To ensure the operator can correctly use the vinyl cutter, and prevent damage of vinyl cutter, please follow the instructions with the signs below.







1.1 Safety using methods



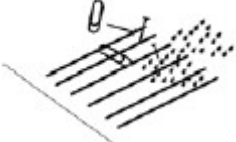



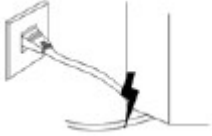




 WARNING	Any improper operation possibly results in hazard of life or damage of equipment.
	Any improper operation possibly results in hazard of life or other objects.







CAUTION

1.2 Definition of warning symbols

	The symbol is prepared to arouse operator's highly attention. The symbols in triangle specify the cases to be attentive. The symbol in the left warns you of electronic shock.
	The symbol specifies the activities to be forbidden. The symbol in the circle specifies the acts to be forbidden. The symbol in the left tells you no detachment.

	WARNING
	Don't use the power source not meeting rating voltage, otherwise fire or electronic shock may be resulted in.
	If the machine gives smoke or unpleasing smell, or noise sounds please do not use it in such case, continuing using it may result in fire or electronic shock.
	Do not put out the plug when the power is on to avoid damage to the machine.
	Make sure electrical grounding when it is working. Otherwise it will electric shock and machine can't work normally.
	Don't detach, repair or reconstruct the machine, otherwise fire and electric, hazard of life may be result in.

	CAUTION	
	Don't leak any liquid or drop metal into the machine, such things may result in fire.	
	Don't touch the knife top with your finger to prevent injury or perspiration of knife head.	
	Do not damage or random replace the supplied power cable, do not excessively bend, pull, bundle the power cable or place weight on it. Otherwise the power source may be damaged even fire or electric shock is thus incurred.	
	To unplug the power cable from replace, please hold the plug instead of the cable. Strongly pulling of the cable possibly result in electric or fire.	
	When operating the machine, do not place either of your hands on capstan to avoid injury.	

	<p>Place the machine on a stable surface, otherwise the machine may fall therefore get damaged.</p>	
	<p>To unplug the power cable from replace, please hold the plug instead of the cable. Strongly pulling of the cable possibly result in electric or fire.</p>	
	<p>Any operating is forbidden in case of storm or lighting to prevent damage of the machine.</p>	

2 Standard accessories

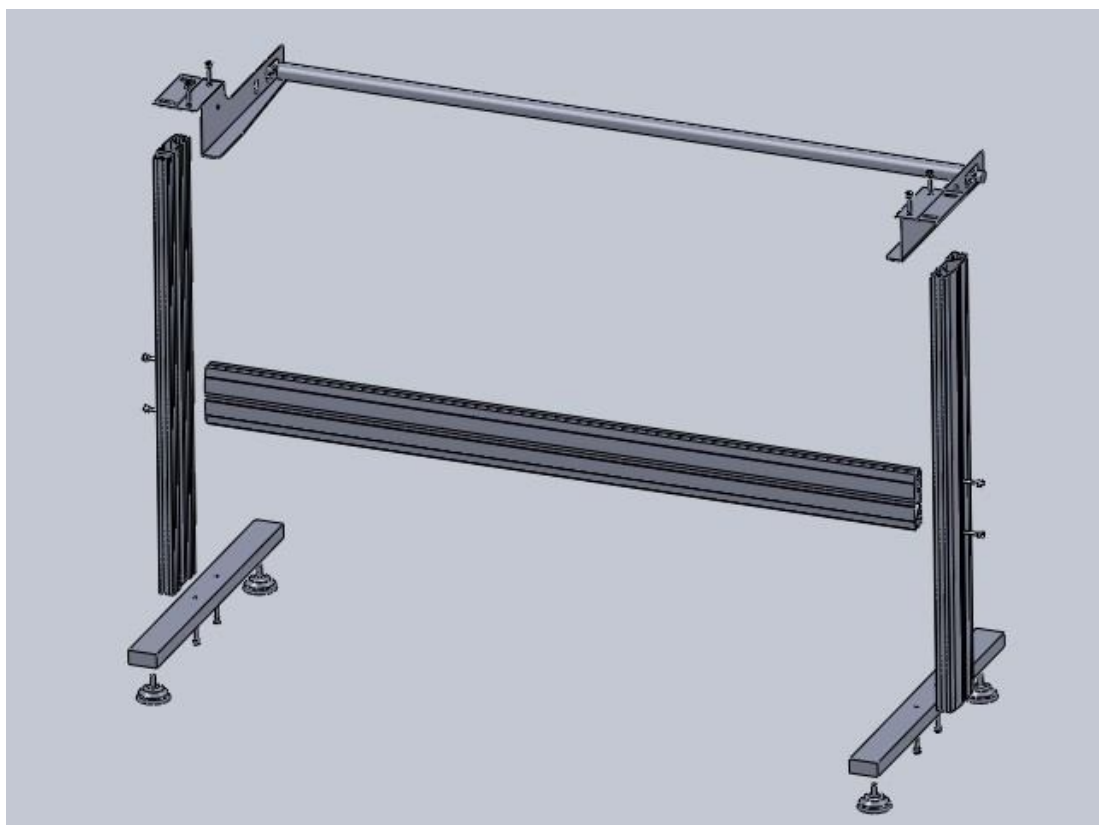
Check following accessories after unpacking, please contact the seller or our company if you find anything missing.

Item:	Parts	Quantity	Picture
1	Power cable	1	
2	USB cable	1	
3	RS232 cable	1	
4	Blade group	1	
5	Blade	3	
6	Pen group	1	
7	Manual	1	
8	Warranty Card	1	
9	CD disk	1	

3 Installation

3.2 Leg frame

We only supply floor stand for HW1200 and HW630, and the floor stand for HW1200 is a must, but for HW630 is optional.



Take out every party of the stand from the packing box, turn on the party bag, and install the stand according to the illustrational showing. Lay the cutter on the stand after install, aim at and install spiral shell, then lock with the screw.

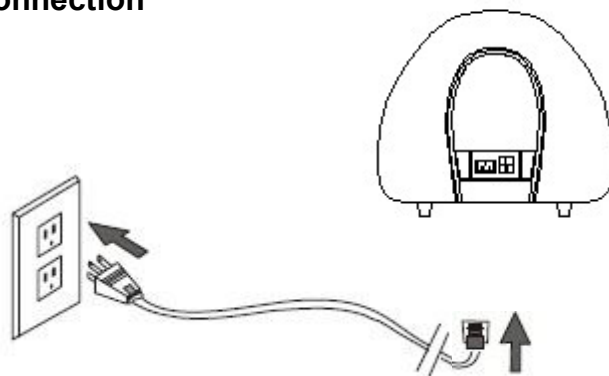
3.3 Installation and Use

3.3.1 Place the cutter in a plane and roomy place, and make sure there is 300mm room place around the cutter.

3.3.2 Notes on Location (Do not locate the plotter in any of the places listed below)

- A place exposed to direct sunlight
- A place that vibrates
- A dusty place
- A place where temperature or humidity varies significantly

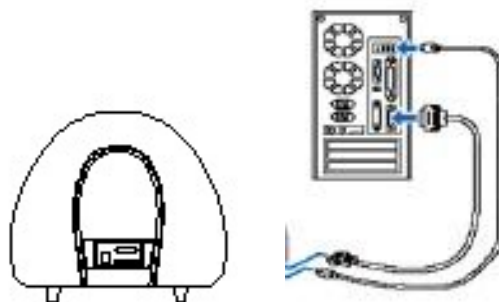
3.4 Power connection



Check the electrical connection and power supply voltage before you connecting plotter's power.

3.5 Serial RS232 cable and USB cable connection

3.5.1 Connection Methods



3.5.2 Connected display

After connecting RS232 serial port, using COM1 port to transfer out on it directly.

3.6 USB cable

Connect USB interface between the PC and the machine, open the machine power, the computer will automatically pop-up dialog "Found New Hardware Wizard" as shown:



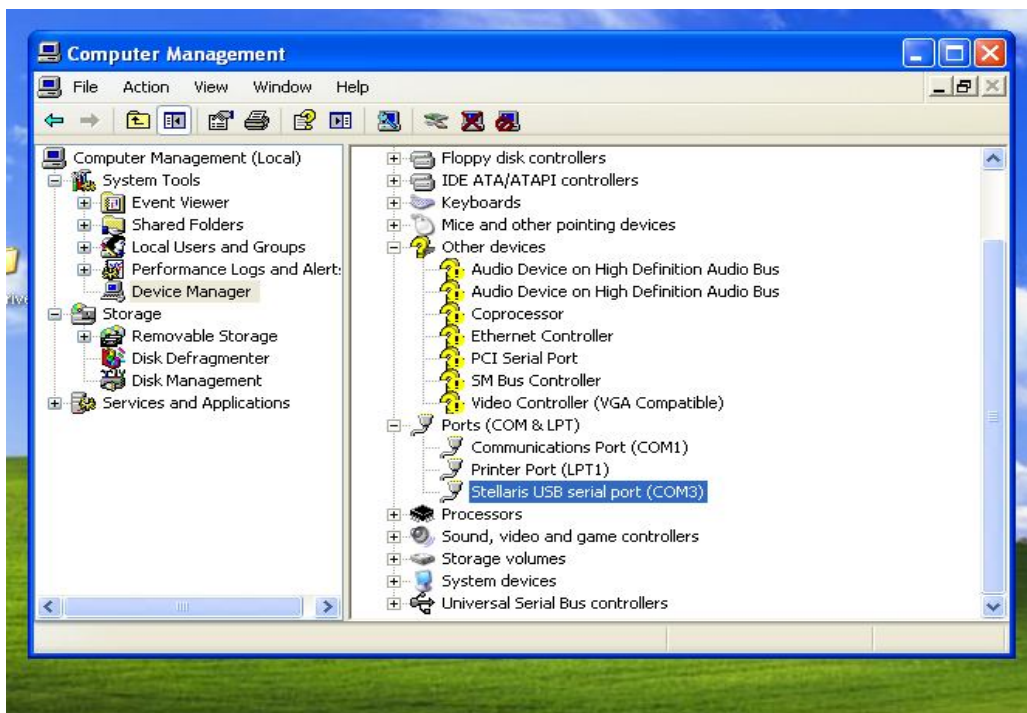
Select "from the list or specific location", click Next



Into view, select the USB driver file path, click Next and after installed, as follows:

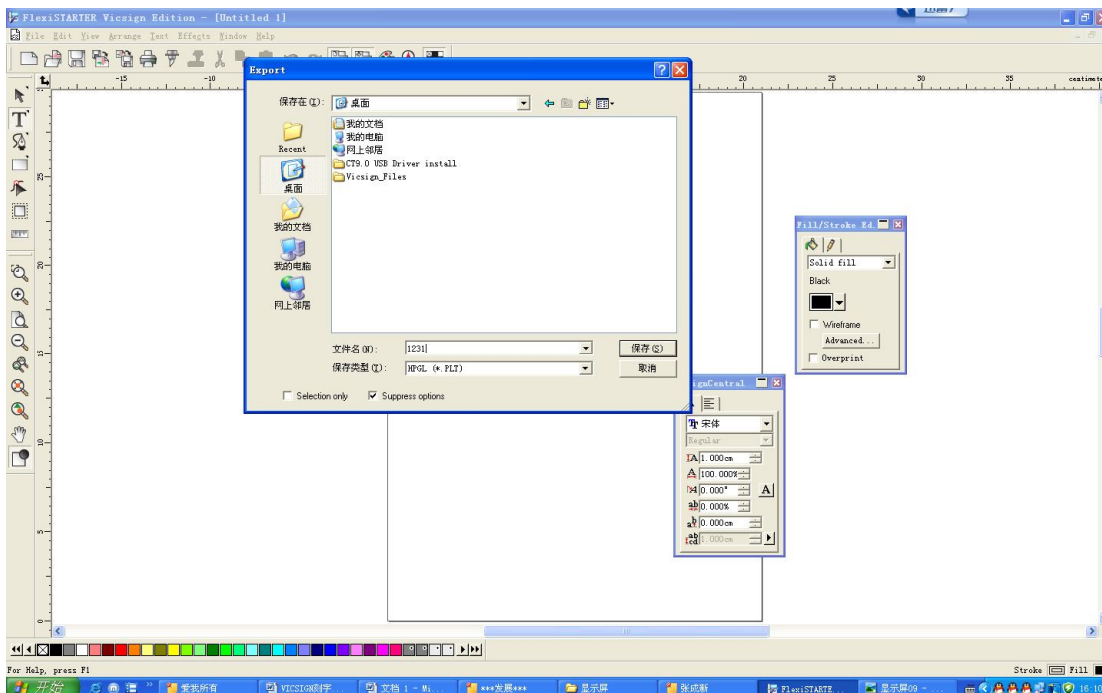


Open the computer's device manager, below dialog display is the USB drive, make sure the interface is the name between output port and transfer line.

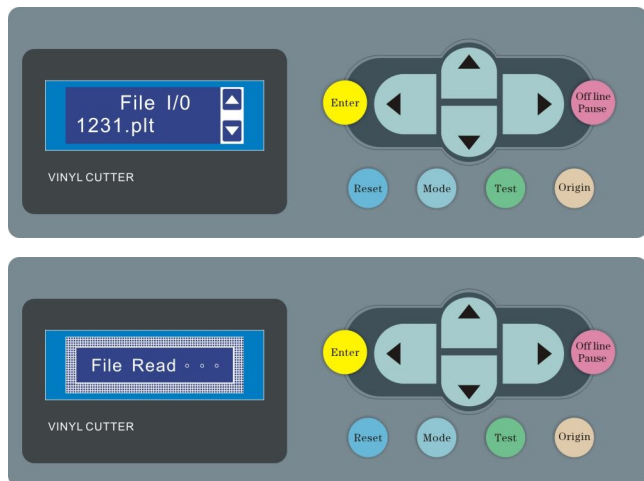


3.7 SD Card for optional (Secure Digital Memory Card)

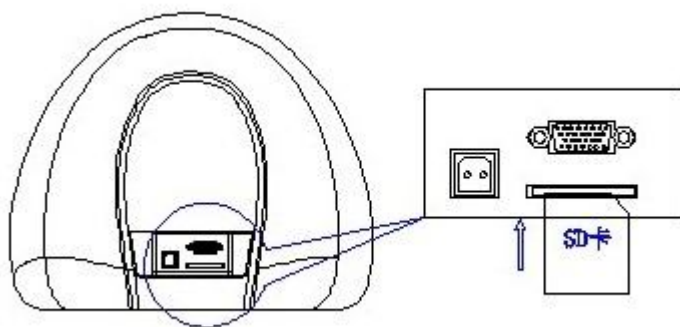
3.7.1 open the software and complete the drawings and save as the PLT format, note: the document name in Arabic or English words can not exceed 12 characters.



3.7.2 Insert SD card into the machine, press "Origin" press the arrow keys to find the appropriate file, press "Enter", the machine will read the file from the SD card.



* When take off the SD from the machine, please do not extract directly, tap the SD card with your hands slightly and it will pop up.



3.8 Media installation

3.8.1 Media storage and use precautions

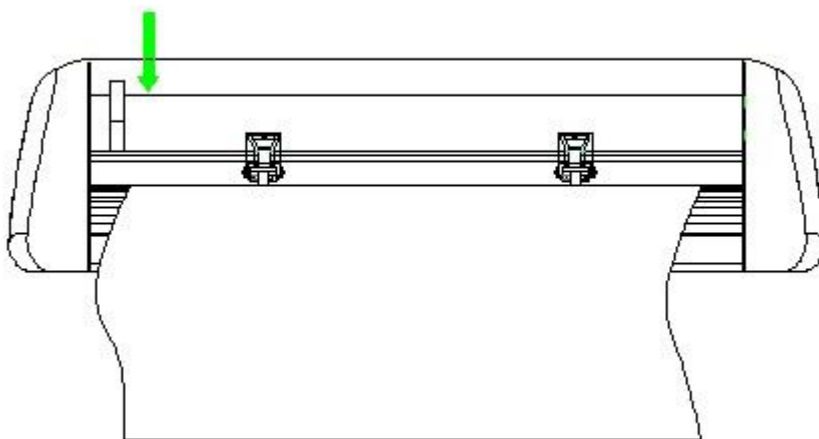
- After opening the package, store the media in a cool dark place to avoid direct sunlight and water
- Do not place the print media to erect in order to avoid edge damage
- Do not fold and stack the print media
- Do not use bruised, wrinkled, curled, or stained with dust medium
- Do not drop or wet the print media

— Need to tidy up before installation media

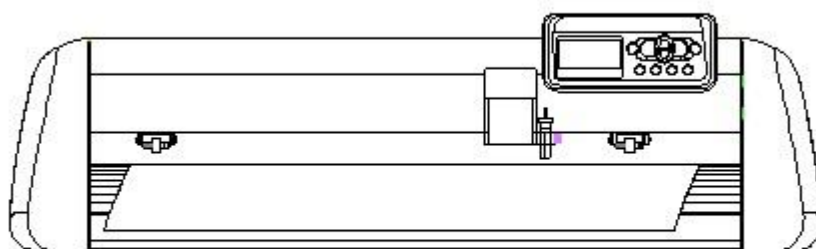
3.8.2 The machine used for single media, but also for rolls of media.

3.8.3 Main operation methods of using the media

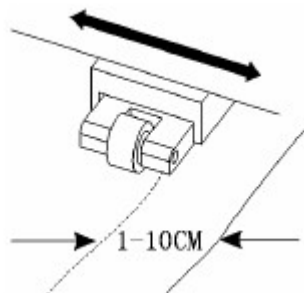
(1) To press the pressure roller handle at the back of the machine, lift the pressure roller



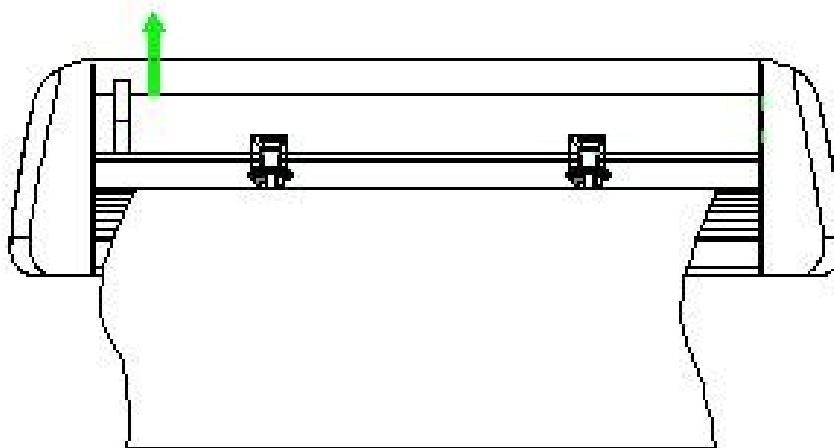
(2) The media inserted, pulled out in front of the media from the host to the appropriate location



(3) The pressure roller to take the roller to move to the top, in the medium to adjust the position of the whole from the pressure roller is about 1-10CM drive the best results at.



(4) Handle the stage, and press the media.



3.9 Knife set and adjusting



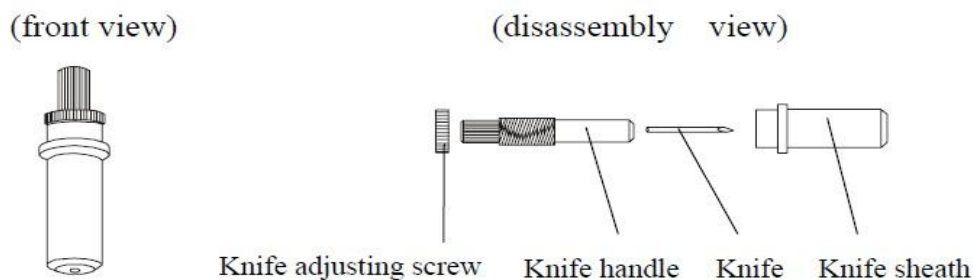
CAUTION



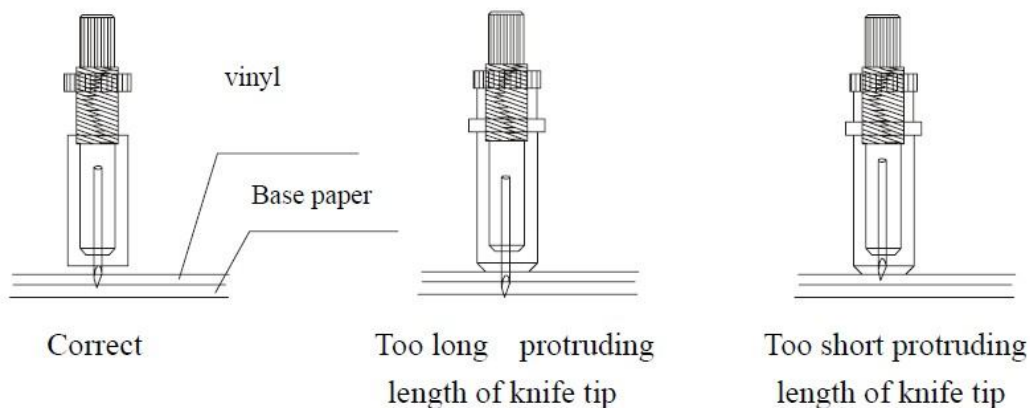
Don't touch the knife top with your finger prevent



3.9.1 Put the knife into the hole of the holder. Rotate the knife sheath to adjust the length of exposed part of knife tip. Blade holder exploded as shown below, the detail operation are described as followed:

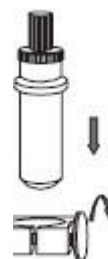


3.9.2 For different material, users can adjust the length of knife sheath exposed at any time.



3.9.3 Install the blade holder into carriage

- Loosen the screw of tool carrier
- Assembly the tool with knife into the tool carrier
- When the tool is in appropriate position, screw it and fix the screw.



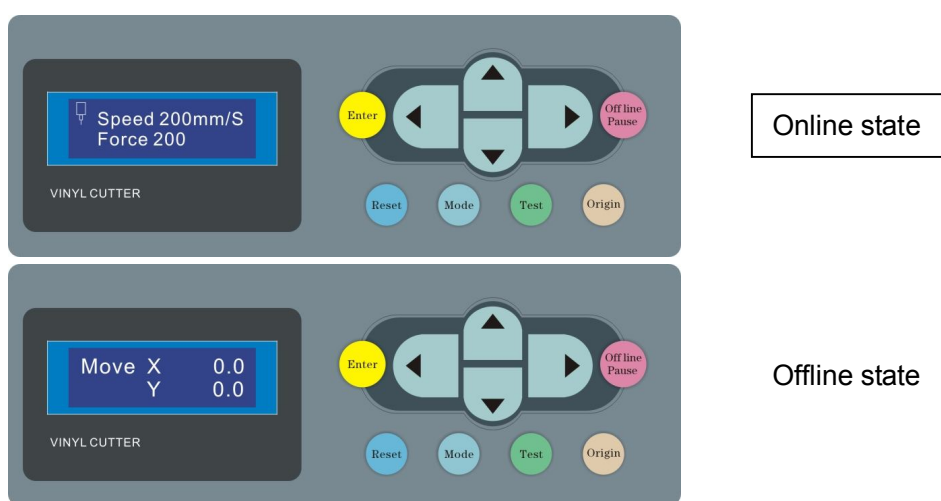
3.10 Drawing pen installation

Pen loops and pocket installation method is basically the same as blade holder installation. Only tip debugging. You just need to put the pen cap into the appropriate location.

4 Operating instructions

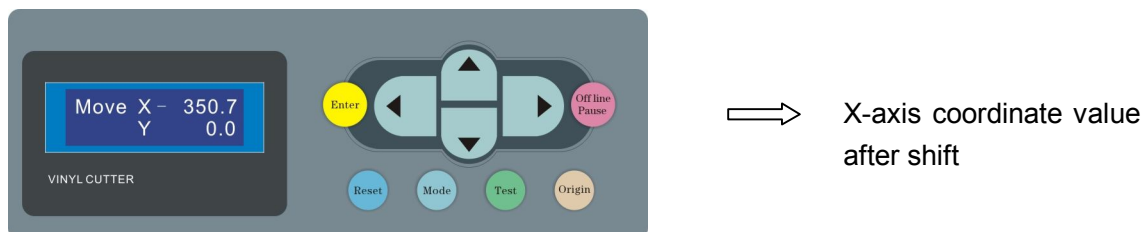
4.1 Off-line/On-line

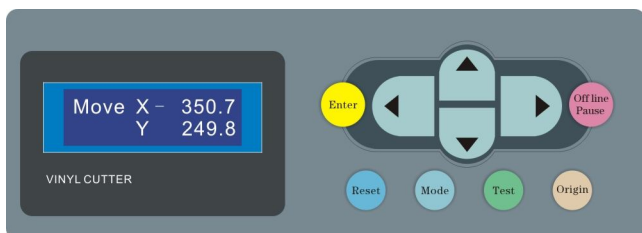
When the cutter starts reset, it becomes in online state. Press "Offline/Pause" button to switch to off-line state. When computer transmits signals to the plotter, the plotter must be Online. The LCD will display the Speed/force information as follows:



4.2 Media moves and car moves

The plotter is offline, press the left arrow key "◀" the car moves, press the right arrow key "▶" the car will move to right. Press the up arrow keys "▲" the media feed roller will lead to move forward, press down arrow keys, the media feed roller will lead to move backward. LCD "XY" coordinates after moving with the numeric value will change accordingly.

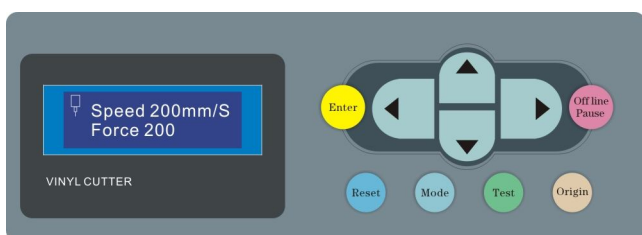




Y-axis coordinate value after shift

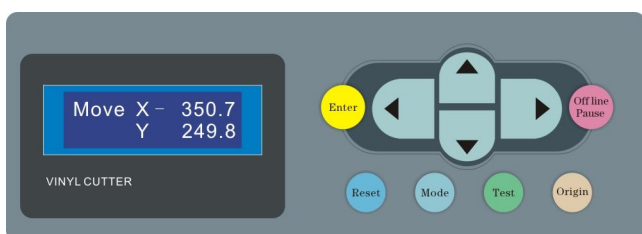
4.3 Speed and pressure debugging.

In line with local state and send the process of carving knife pressure and speed of testing, debugging speed increase speed by value increment key, key to decrease the value by value reduction, testing the pressure to increase the pressure by value increment key By numerical reduction to decrease the pressure.

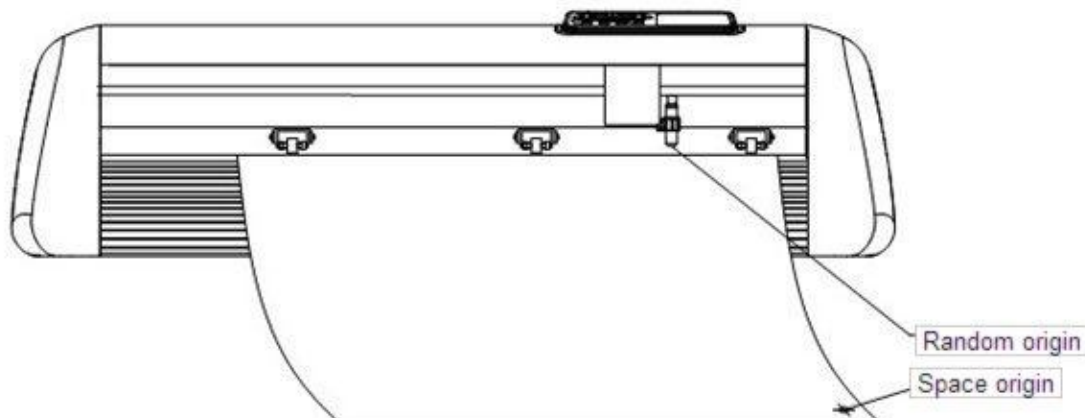


4.4 Pause function

During plotter output, press the “Off line / Force” button, the plotter will be in suspended state and displays the coordinates of the current document processing parameters. As shown:



4.5 Setting the origin



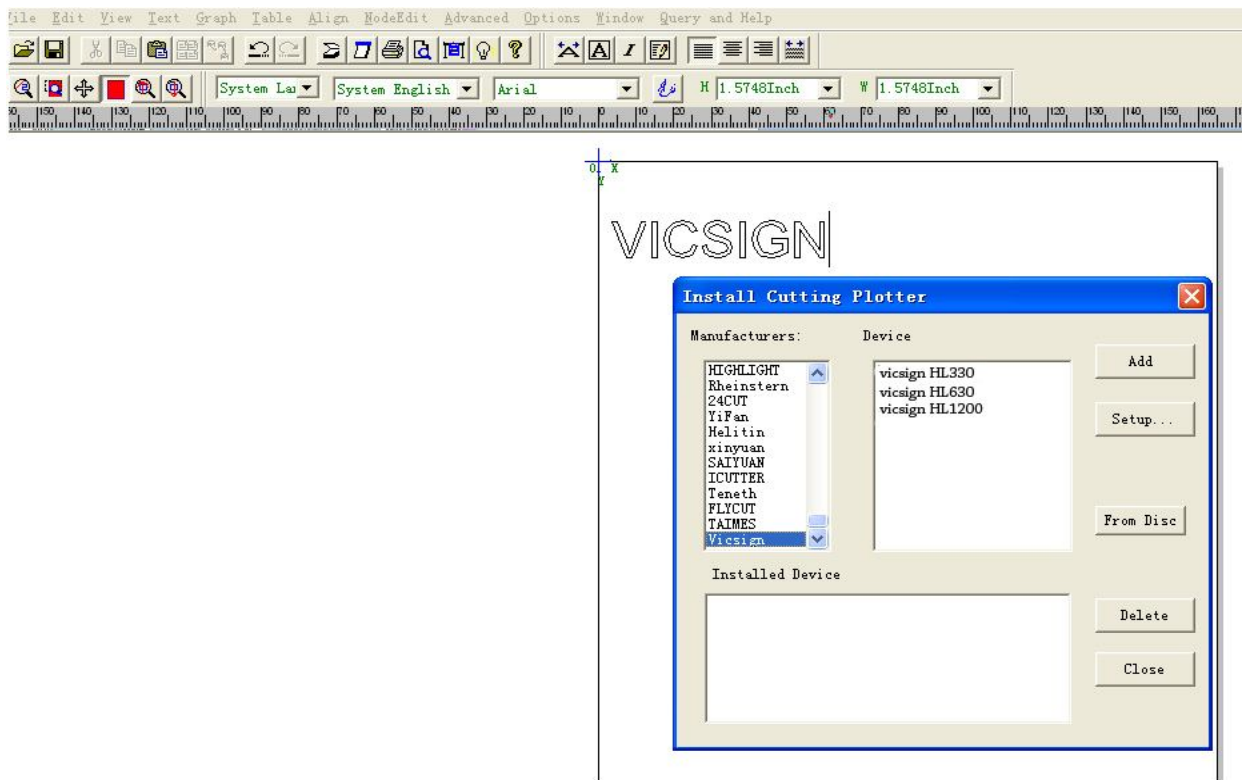
The lower right corner as the absolute origin of the media, the user can be set based on their own to the appropriate position, after moving off a good bit about setting up/down and left/right keys, press the "Origin" button coordinates cleared, the new origin is set up, carving output from the knife from the new origin.

4.6 Media test strip debugging

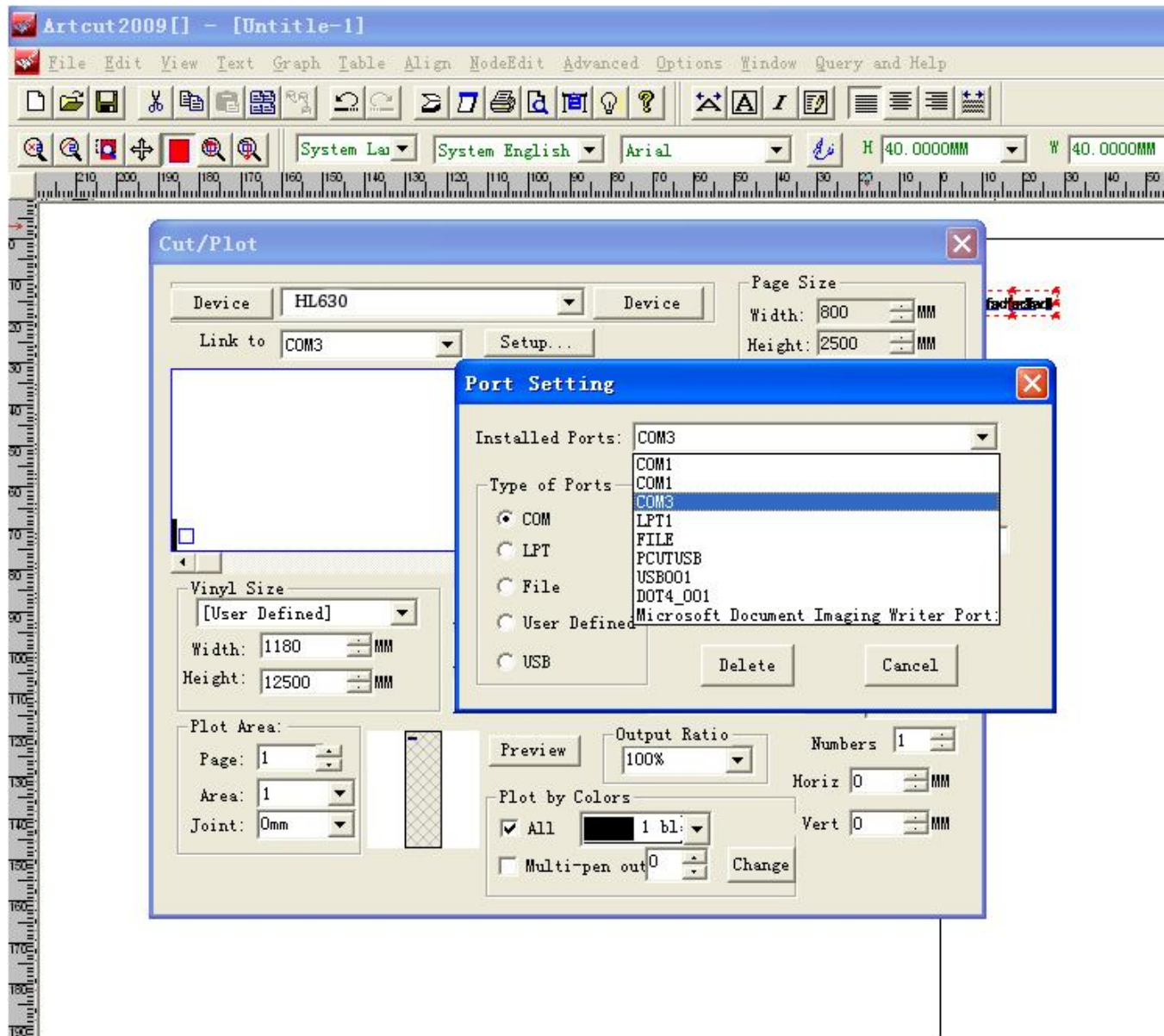
Locate the position of car and media, press "Test" button, the machine will automatically cut out a square and triangle, and tear-out the test strip by hand, if can be easily opened, and not carved through the adhesive, indicating that debugging is good, if tear-out with the associated media, you need to increase the blade pressure or adjust the knife extended tip, then continue to press "Test", the machine will automatically cut the left side of the original location of test strips, you need to do this before you testing well.

4.7 Operation for Artcut Software

4.7.1 Open the Artcut software and choose Manufacturer Vicsign and correct Model.



4.7.2 Select the correct COM port,when you use serial cable,it is always COM1;when you use USB cable,it needs to be same shows as your device manager in computer.



4.7.3 Click Parameters and fill as picture shows, then send.

