AM.CO.ZA V-Auto Superfast Wireless Vinyl Cutter with Automatic Contour Cutting Function User Manual

Chapter 1: Operation Details
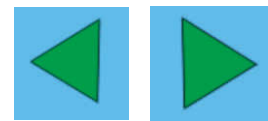
LCD Screen Introduction：

Method of Machine Control：

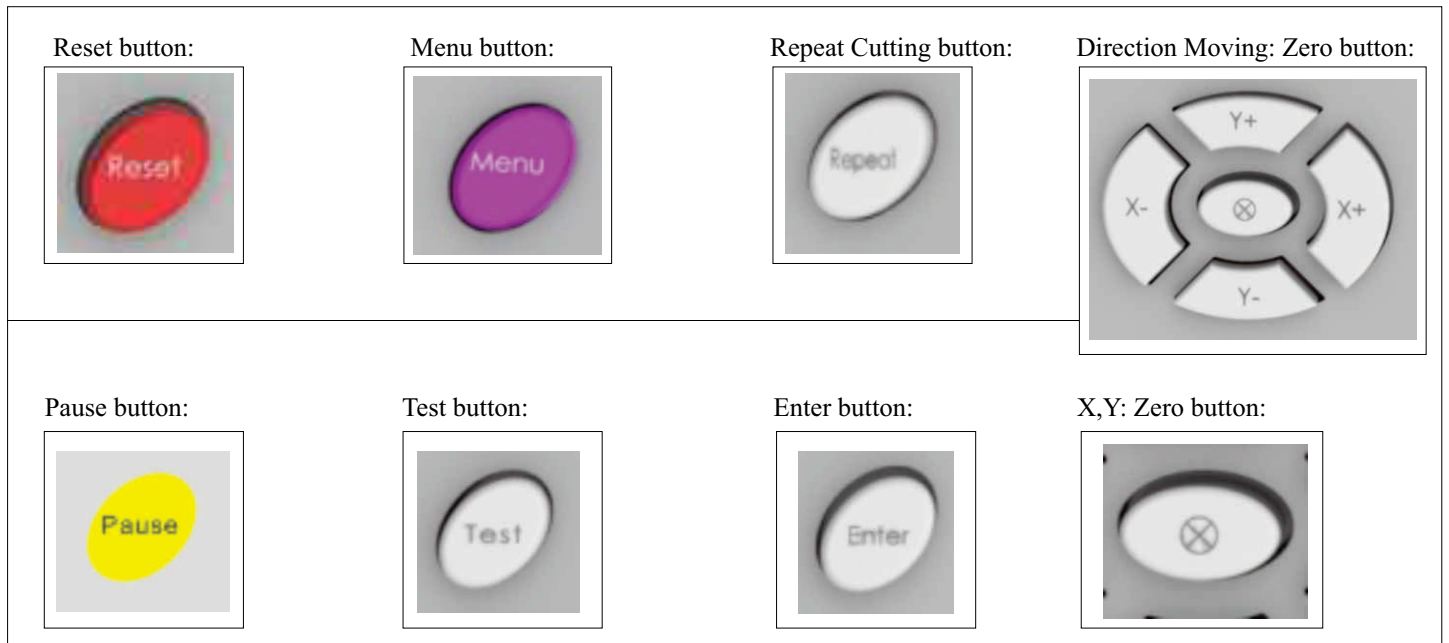## 1. Touch Screen Operating

On the LCD ,   these buttons are

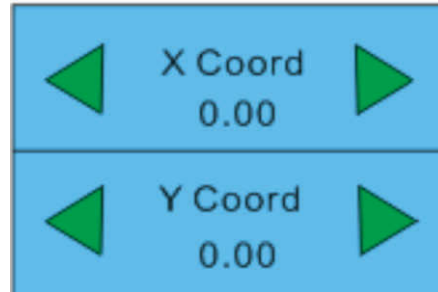the corresponding parameter adjustment buttons.

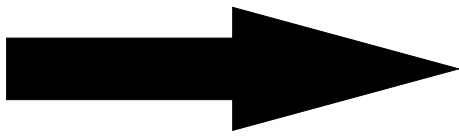## 2. Key Operating

Panel introduction：

Reset button: Menu button: Repeat Cutting button: Direction Moving: Zero button:

Pause button: Test button: Enter button: X,Y: Zero button:

Chapter 2: Operation Details

When turning on the machine on, the **LCD** will show you this interface:
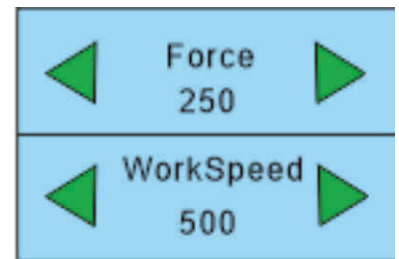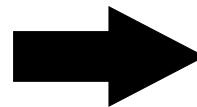

The message shows the **X-AXIS** and **Y-AXIS** coordinates. The X-AXIS goes to the original point of the machine when power is on. Y-AXIS will go forward a little distance. If the X-AXIS move, then press any button to cancel.

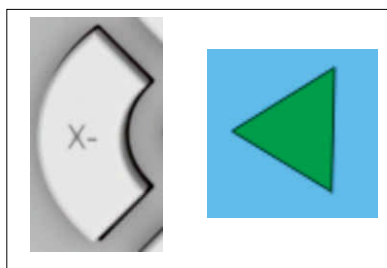## 2.1. Force and WorkSpeed Settings

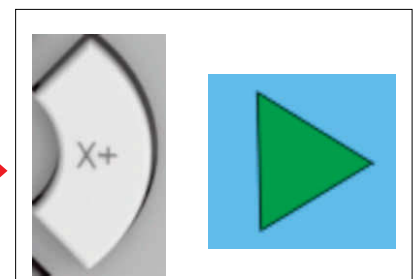Pressing the **MENU** button

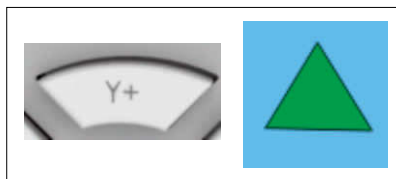takes you to this interface:

Pressing the **LEFT** arrow decreases the pressure.

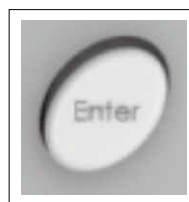Pressing the **RIGHT** arrow increases the pressure.

Pressing the **UPWARD** arrow decreases the speed.

Pressing the **DOWNWARD** arrow increases the speed.

After adjusting the Force or WorkSpeed, press the **ENTER** button to save the settings:

2.2. HandSpeed and UpSpeed Settings

Pressing the **MENU** button   takes you to this interface:

HandSpeed
500

UpSpeed
500

Pressing the **LEFT** arrow decreases the pressure.

Pressing the **RIGHT** arrow increases the pressure.

Pressing the **UPWARD** arrow decreases the speed.
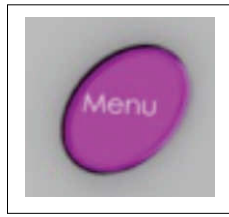
Pressing the **DOWNWARD** arrow increases the speed.

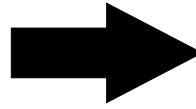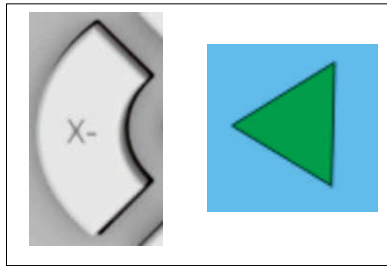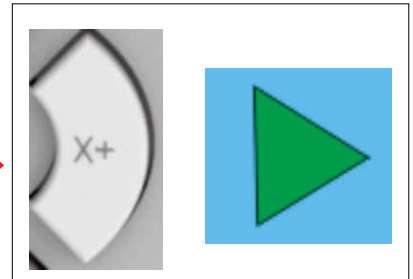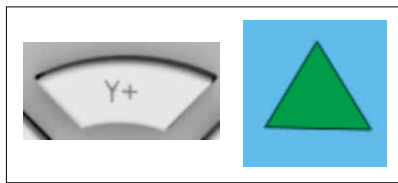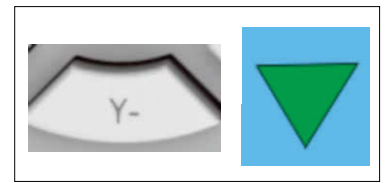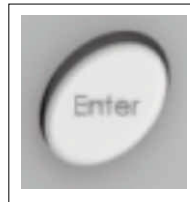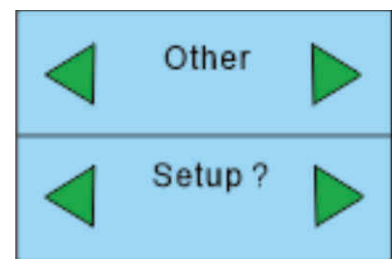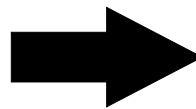After adjusting the Force or WorkSpeed, press the **ENTER** button to save the settings:

2.3. X and Y Axis Scale

Pressing the **MENU** button   takes you to this interface:

Other

Setup ?

Then press the **ENTER** button   to proceed to this interface:
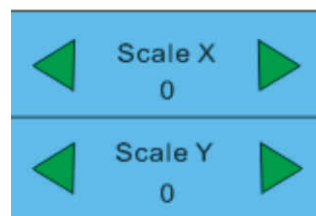
Scale X
0

Scale Y
0

Scale X is the proportionality factor of the **X axis.** Scale Y is the proportionality factor of the Y axis. The factor default is **0**. If there is an error in the plotter, you can adjust the axis.

Pressing the **LEFT** arrow decreases the proportion of the X-Axis.

Pressing the **RIGHT** arrow increases the proportion of the X-Axis.

Pressing the **UPWARD** arrow decreases the proportion of the Y-Axis.

Pressing the **DOWNWARD** arrow increases the proportion of the Y-Axis.

Then press the **ENTER** button to save the settings:
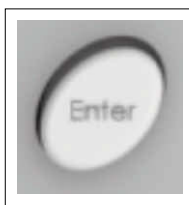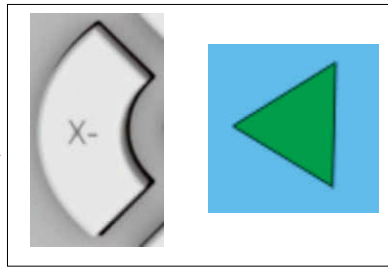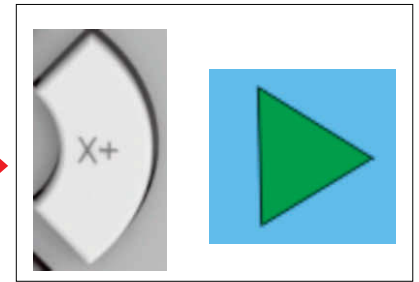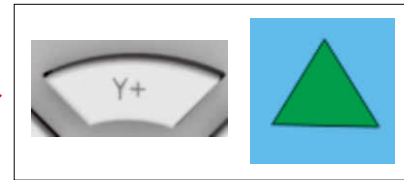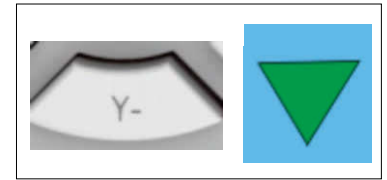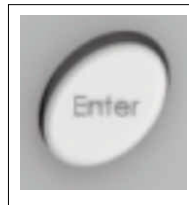
2.4. Skin of LCD and PaperFeed

Pressing the **MENU** button

takes you to this interface:

Other

Setup ?
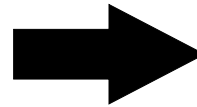
Then press the **ENTER** button

to proceed to the scale interface:

Scale X
0

Scale Y
0

Then press the **MENU** button

to go to the **SkinColour/Paperfeed** interface:

The **SkinColor** shows the background color option. **PaperFeed** is the parameter of pre-feed before working.

SkinColor
1

PaperFeed
0mmX1

Pressing the **LEFT** and **RIGHT** arrows changes the background colour:

Pressing the **UPWARD** arrow increases the paper feed distance before working.
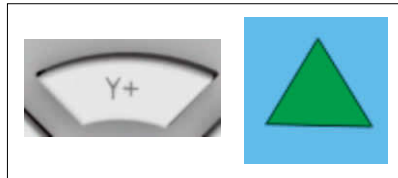
Pressing the **DOWNWARD** arrow decreases the paper feed distance before working.
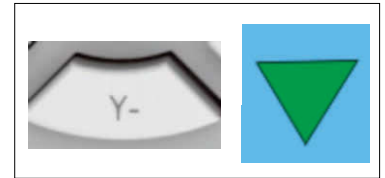
Pressing the Zero button changes the paper feed speed:
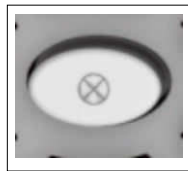
The speed has levels of 1, 2, 3 and 4. The highest speed is 4

Then press the **ENTER** button to save the settings:

2.5. Times of Repeat Cutting and Step Distance of Jog Motion
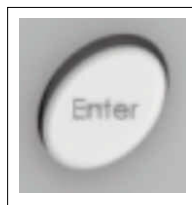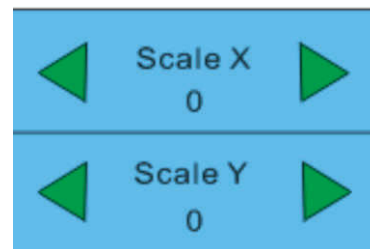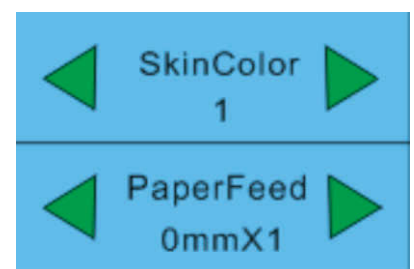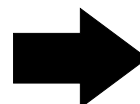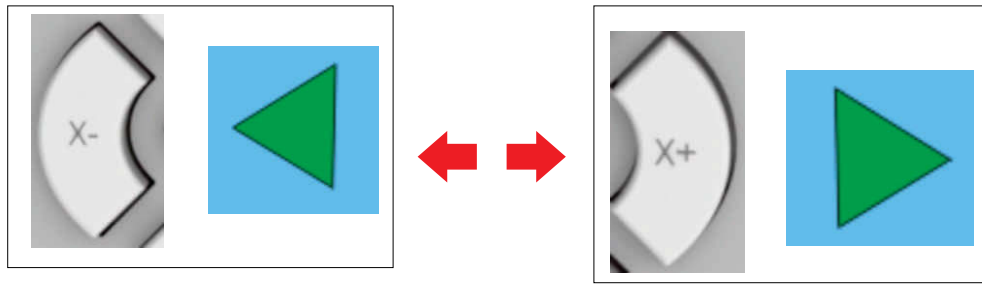
Pressing the **MENU** button:
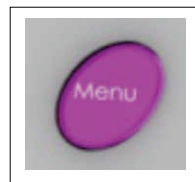
takes you to this interface:

Next press the **ENTER** button:

to go to this interface:

Next press the **MENU** button ➡ [Menu button] to go to this interface: ➡

```
◀  Copy
      1
◀  Step
     0.1  ▶
```

Direction keys on the **PANEL** are continuous motion keys: ➡ [Y+ / X- / X+ / Y- direction pad]

Direction keys on the touch screen are **JOG MOTION** keys. continuous motion. Set the moving distance here. The default distance is 0.1mm. ➡ [◀ + ▶ jog keys]

Pressing the **LEFT** arrow decreases the repeat cutting times: ➡ [X- key / ◀]

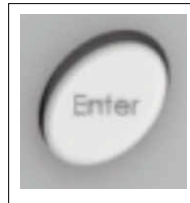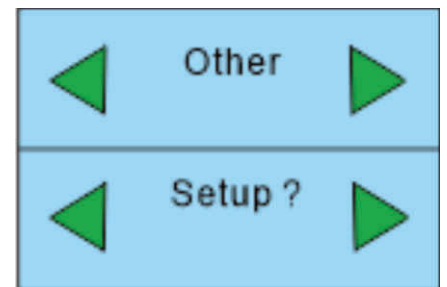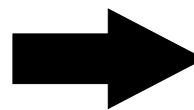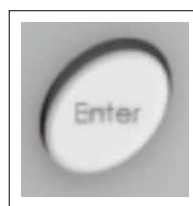Pressing the **RIGHT** arrow increases the repeat cutting times: ➡ [X+ key / ▶]

Pressing the **UPWARD** arrow increases the distance of the jog motion: ➡ [Y+ key / ▲]

Pressing the **DOWNWARD** arrow decreases the distance of the jog motion: ➡ [Y- key / ▼]

Then press the **ENTER** button to save the settings: ➡ [Enter button]
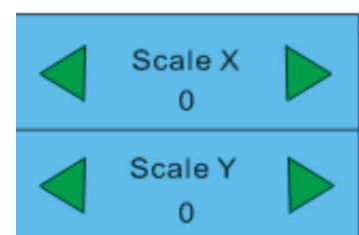
2.6. DownDelay Settings

Pressing the **MENU** button: ➡ [Menu button] takes you to this interface: ➡

```
◀  Other    ▶
◀  Setup ?  ▶
```

Then press the **ENTER** button: to go to this interface:

Scale X
0

Scale Y
0

Next press the **MENU** button to go to this interface:

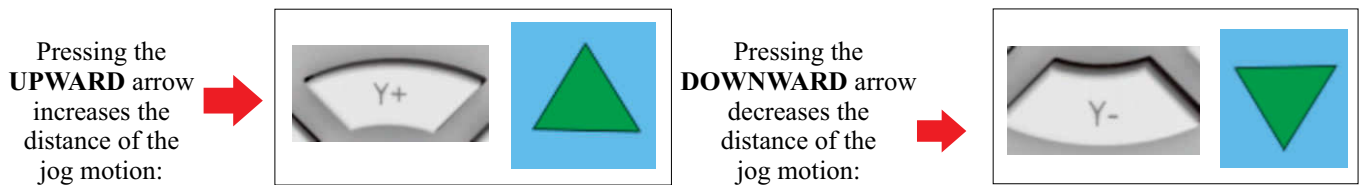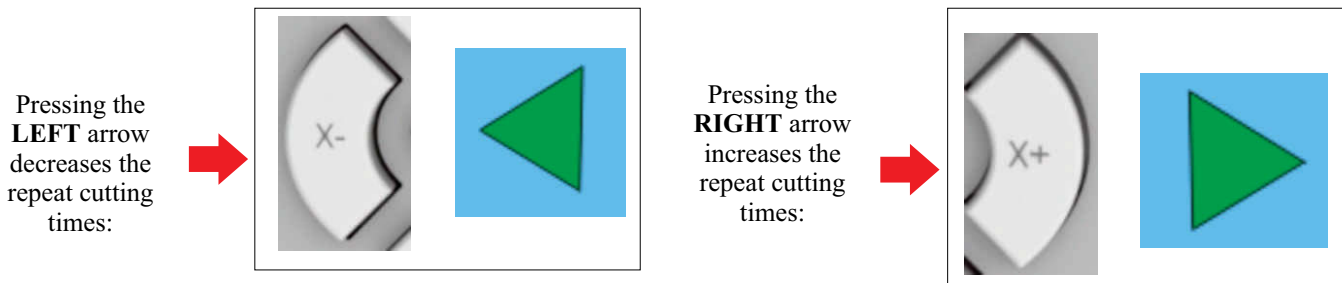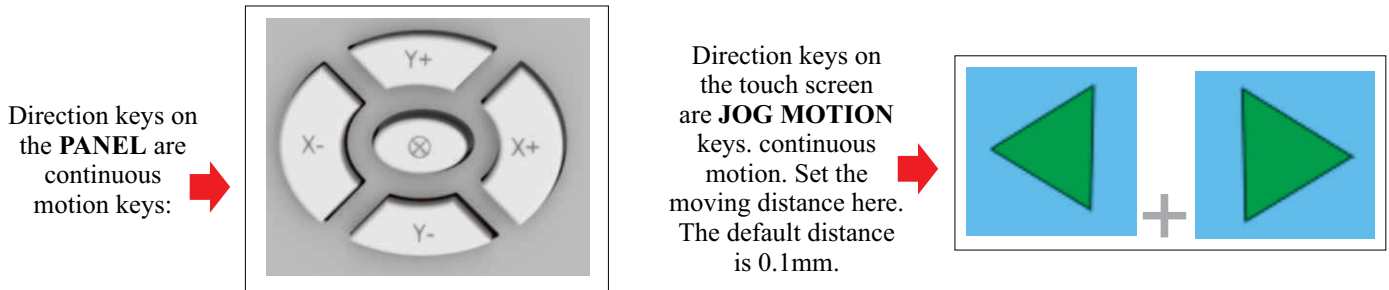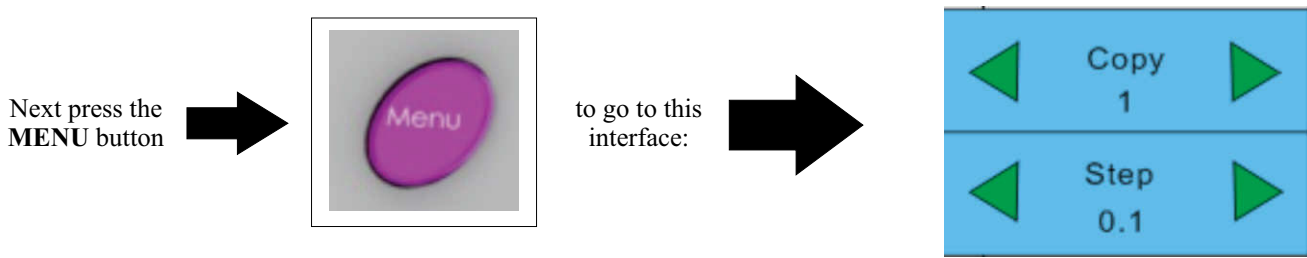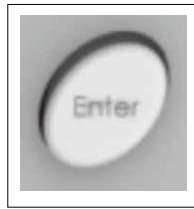DownDelay
0.2 S

GoHome
Soft

Pressing the **LEFT** arrow decreases **DownDelay:**

X-
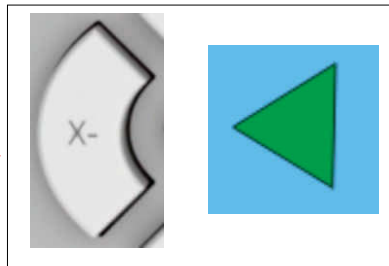
Pressing the **RIGHT** arrow increases **DownDelay:**

X+
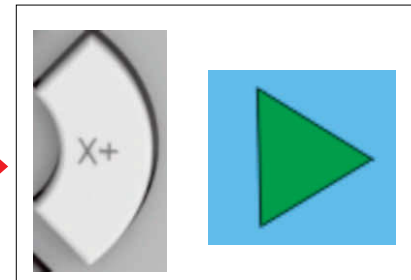
Pressing the **UPWARD** arrow and the **DOWNWARD** arrow:

Y+

+
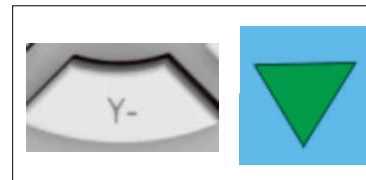
Y-

will alternate between these buttons.

GoHome
Soft
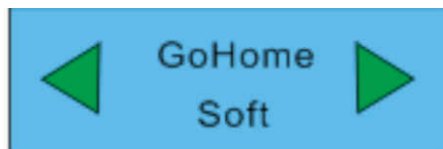
Indicates that you can return to the work-origin after the work finished by software controlled is sent from computer.

GoHome
Self=No
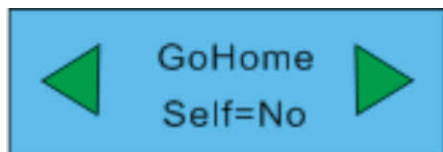
Indicates that you cannot return to the work-origin after the work finished by plotter controlled.
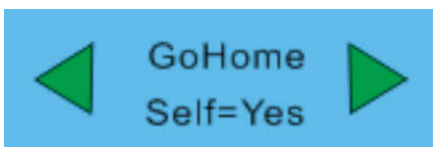
GoHome
Self=Yes

Indicates that you can return to the work-origin after the work finished by plotter controlled.

2.7. Cutting From FLASH

The plotter has a built-in FLASH. Every file sent by the computer will be saved in the built-in FLASH automatically. If power goes off, the file will not be lost, and you can re-use it later for cutting, meaning that there'd be no need to send the file from the computer again.
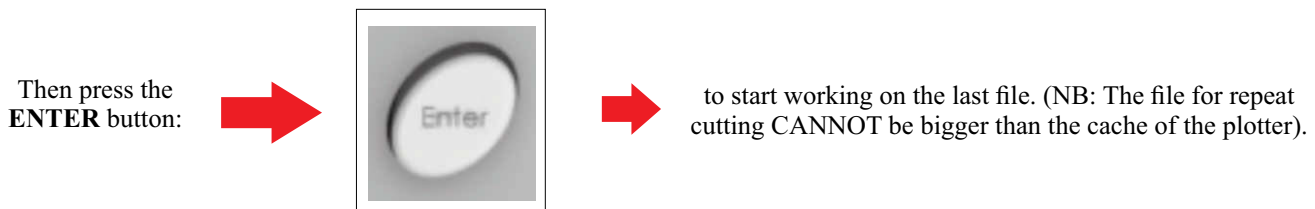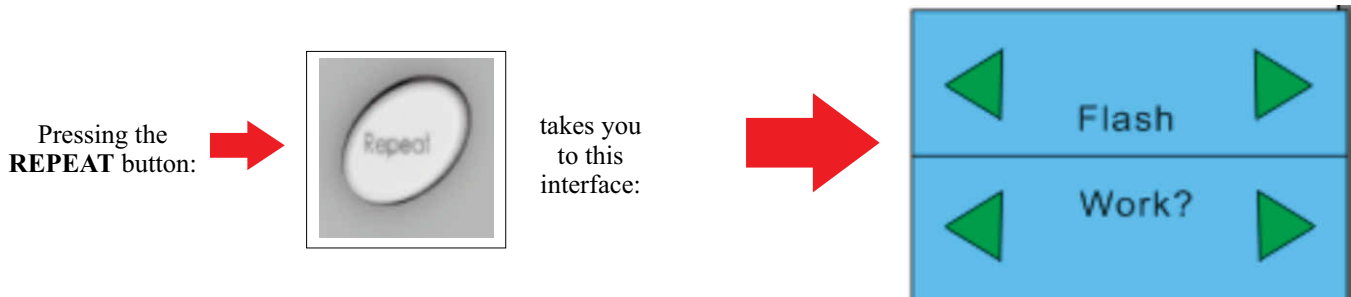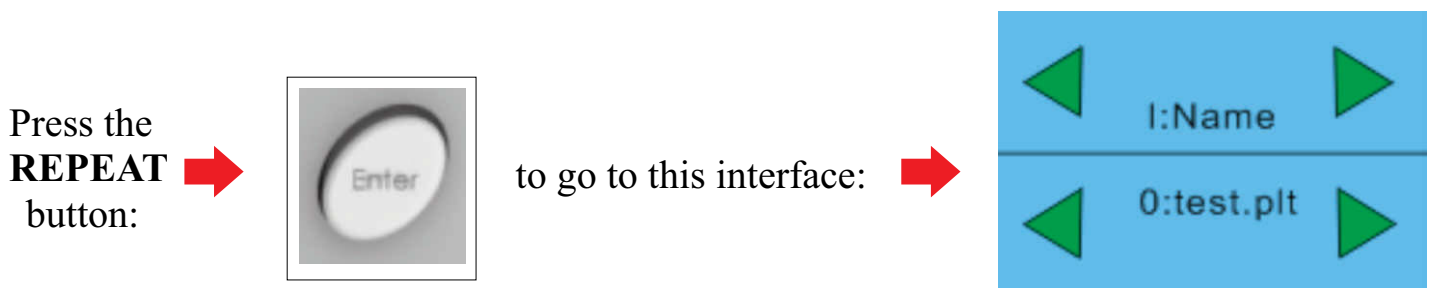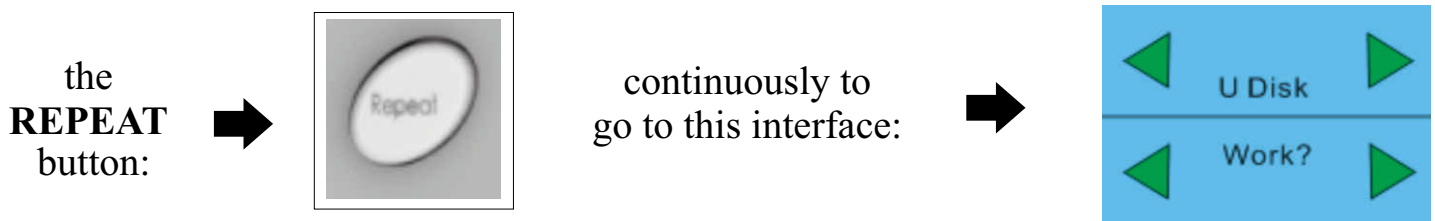
Pressing the **REPEAT** button: ➡️ [Repeat] takes you to this interface: ➡️ | ◀ Flash ▶ | ◀ Work? ▶ |

Then press the **ENTER** button: ➡️ [Enter] ➡️ to start working on the last file. (NB: The file for repeat cutting CANNOT be bigger than the cache of the plotter).

2.8. U Disk Working

Save the PLT. files to the U disk. Then insert the USB U disk into the plotter and press

the **REPEAT** button: ➡️ [Repeat] continuously to go to this interface: ➡️ | ◀ U Disk ▶ | ◀ Work? ▶ |

Press the **REPEAT** button: ➡️ [Enter] to go to this interface: ➡️ | ◀ I:Name ▶ | ◀ 0:test.plt ▶ |

Press the 4 direction buttons to find the file which needs to be worked on.

Then press the **ENTER** button: ➡️ [Enter] to start working. If there is no file inside, the interface will display this message: ➡️ | ◀ I:Name ▶ | ◀ 0:NULL ▶ |

2.9. Pressure Test

On this interface:

Press the **ENTER** button:

The appliance will cut a rectangle. Check if the rectangle can be completely torn off or not, in order to ascertain the right pressure and the length of the blade tip.
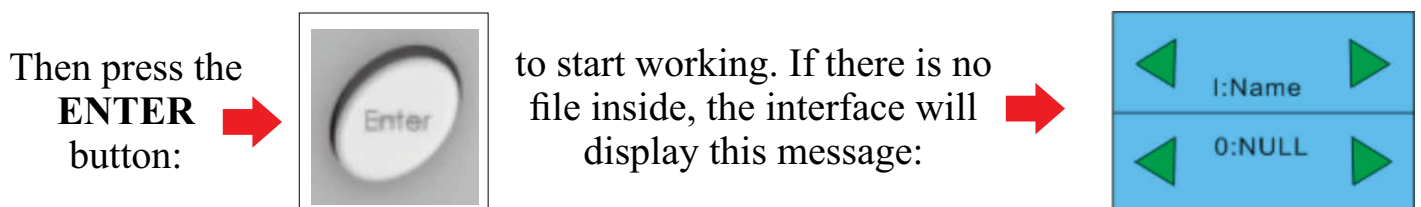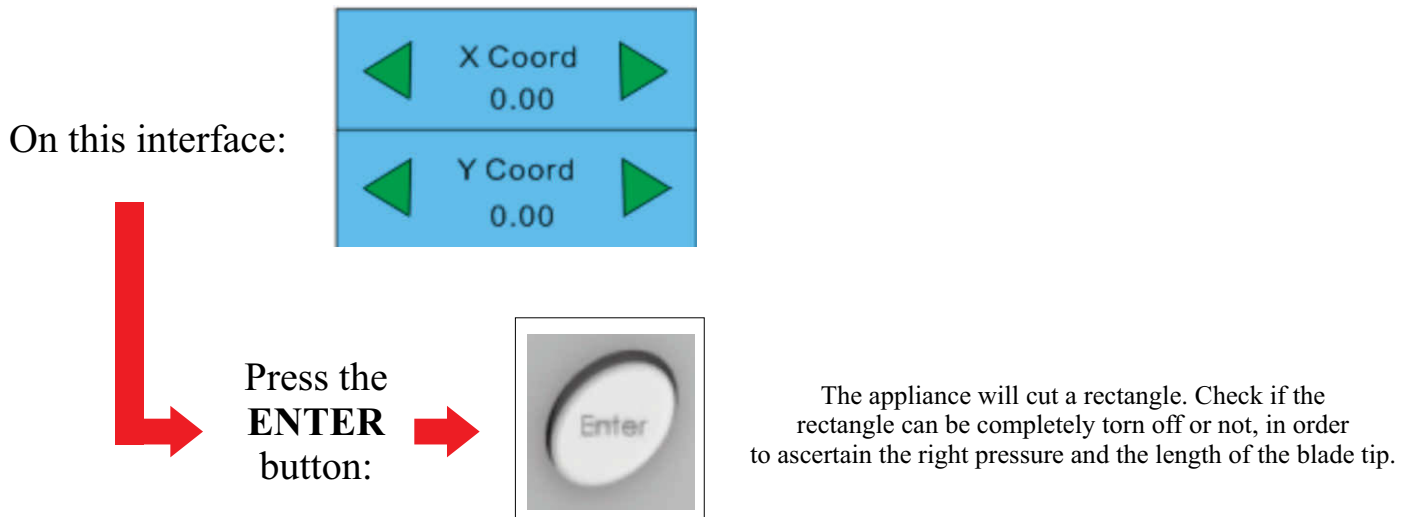
2.10. Restore to Factory Default Setting

On this interface:

Press the **ZERO** button:

and the settings will be restored to factory default settings.

2.11. Laser Test

On this interface:

Press the **PAUSE** button:

and the laser will be on and off by turns.
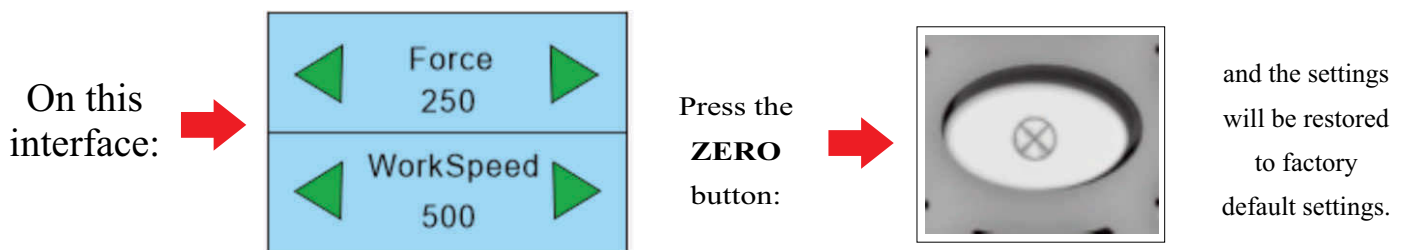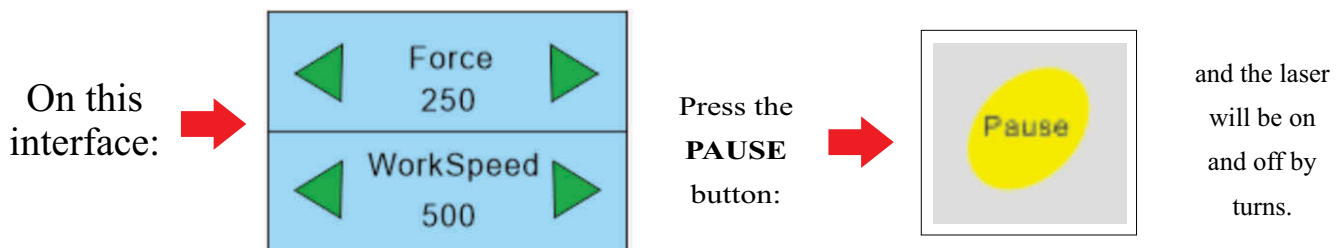
2.12. Pause and Cancel During Operation

LCD will display this when working:

Press the PAUSE button:

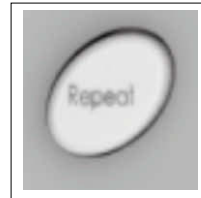to pause the work. Panel will change to:
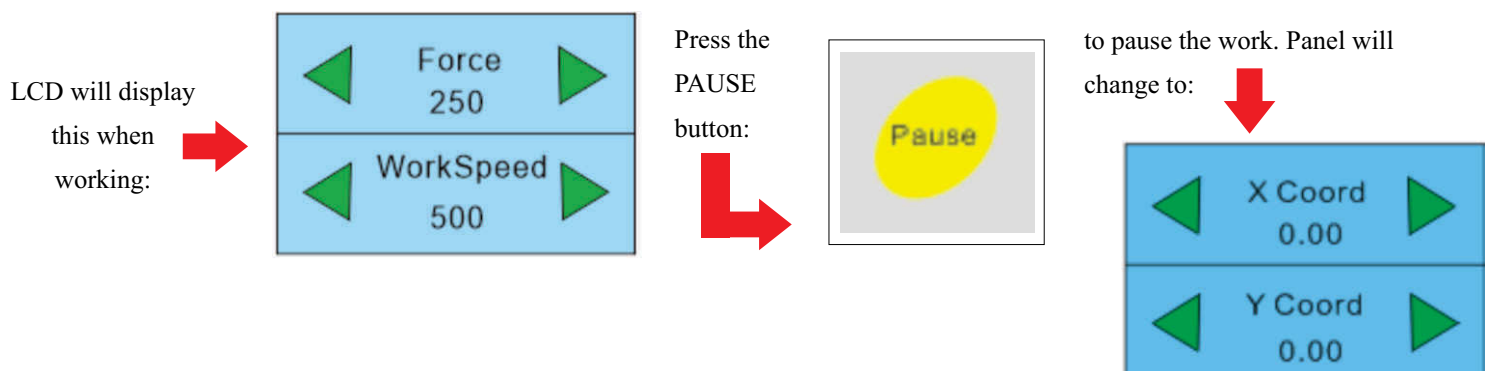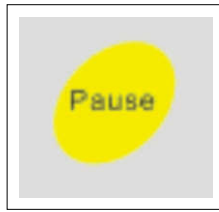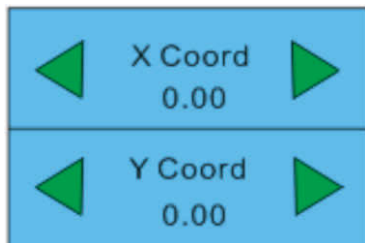
Press the **PAUSE** button again: to continue work.

Press the **REPEAT** button: when the work is paused in order to cancel the present work.
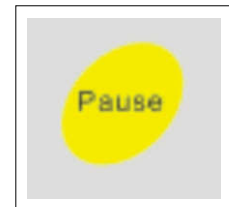
2.13. Fast Quit To Menu

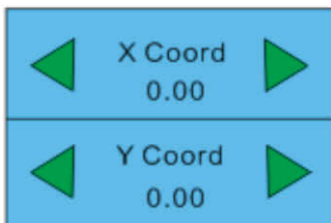When there is no display: or press the **PAUSE** button:

 The display will come back to the panel when you start the machine, showing this interface:

2.14. Adjust The Laser Sensitivity

Based on different materials, the laser might need to be adjusted due to sensitivity. Good status sets laser on. Set the laser to white colour.
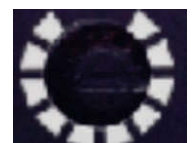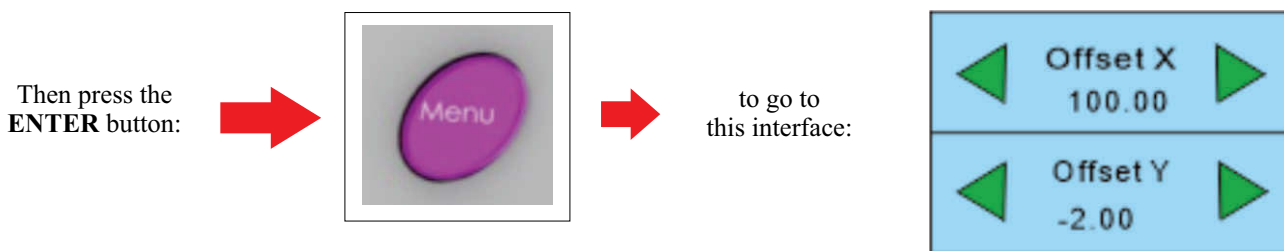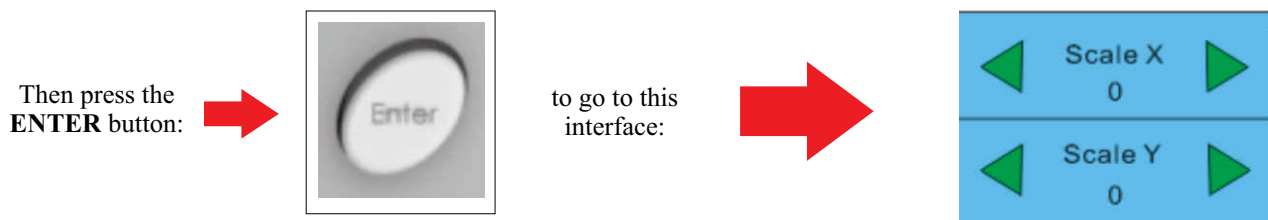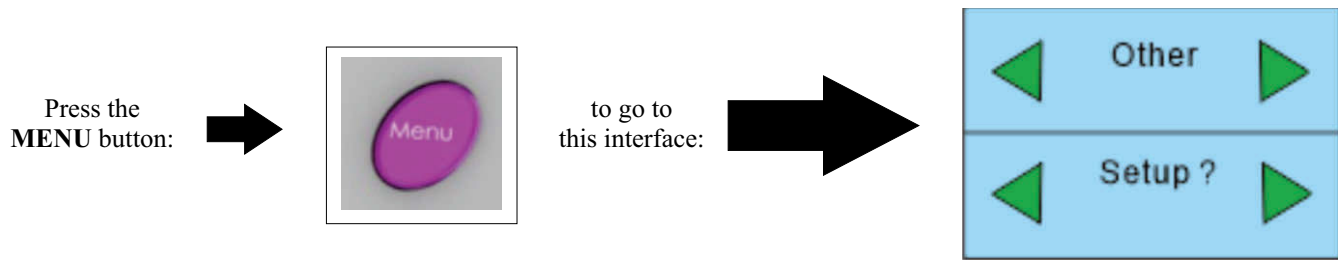
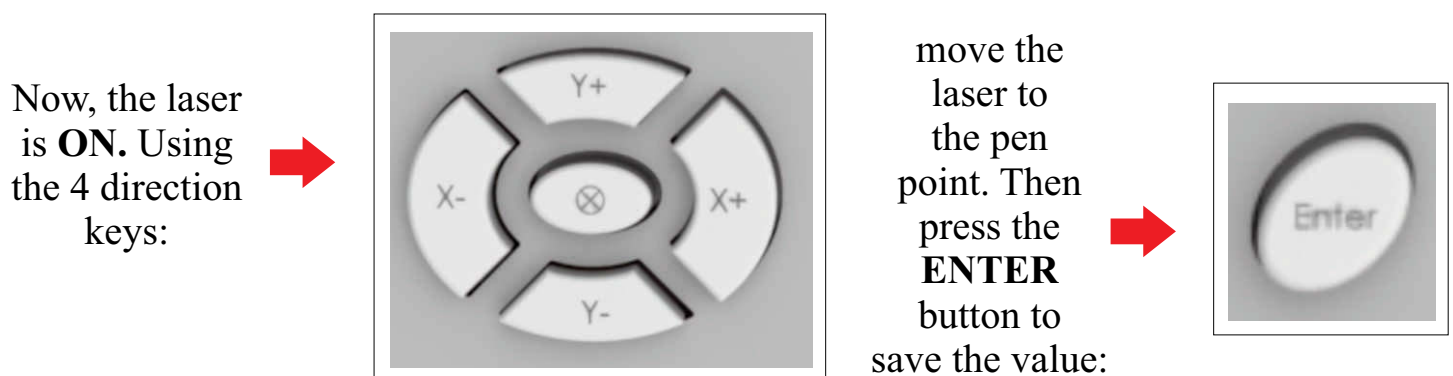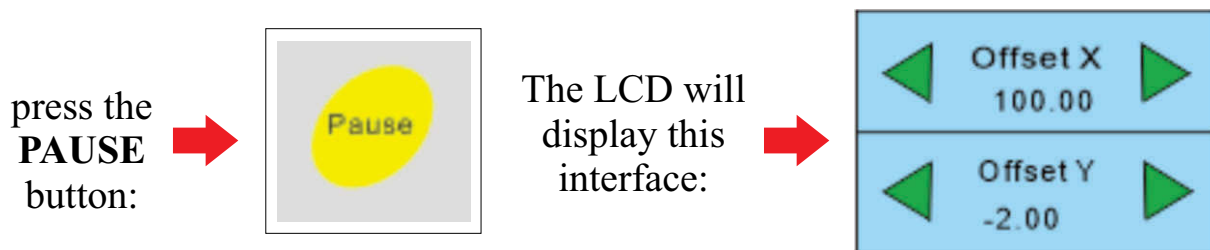The laser is on: Put the laser back to colour. The laser is off: If not, use suitable tool to rotate this rotary switch:

## 2.14. Initializing The Distance Between Laser and Pen

Press the
MENU button: ➡️ [Menu] to go to
this interface: ➡️

◀	Other	▶
◀	Setup ?	▶

Then press the
ENTER button: ➡️ [Enter] to go to this
interface: ➡️

◀	Scale X 0	▶
◀	Scale Y 0	▶

Then press the
ENTER button: ➡️ [Menu] ➡️ to go to
this interface:

◀	Offset X 100.00	▶
◀	Offset Y -2.00	▶

Fix the sheet and pen, and press the pen manually to make a dot on the sheet. Then:

press the
PAUSE
button: ➡️ [Pause] The LCD will
display this
interface: ➡️

◀	Offset X 100.00	▶
◀	Offset Y -2.00	▶

Now, the laser
is **ON.** Using
the 4 direction
keys: ➡️ [Y+ X- ⊗ X+ Y-] move the
laser to
the pen
point. Then
press the
ENTER
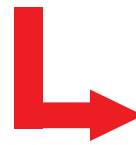button to
save the value: ➡️ [Enter]

2.15. Precise Adjustment Offset Value of Contour Cutting

First, print the file 'Laser Eye Alignment Sheet.pdf'. Then put material on the cutter, as shown below:
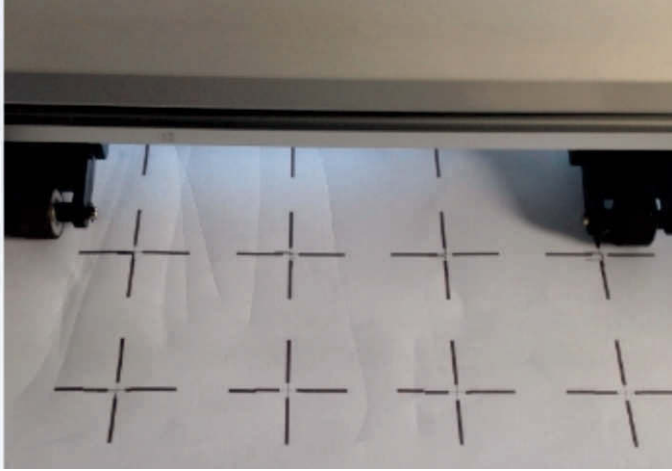
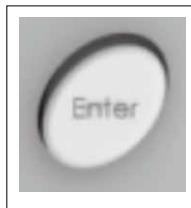Then move the pen to suitable position, as shown here:

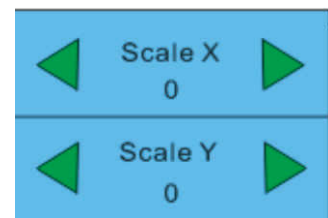Then press the **MENU** button:

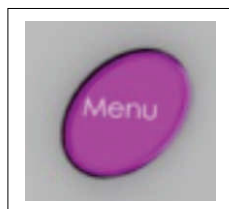to go to this interface:

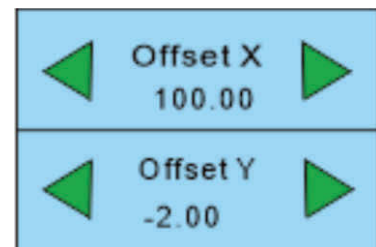Then press the **ENTER** button:
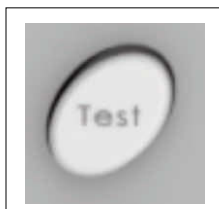

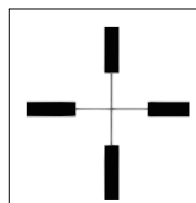to go to this interface:

Then press the **MENU** button:
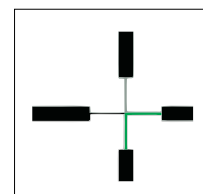

to go to this interface:

And then press the **TEST** button:

The cutter will draw two lines at the mark centre. **BEFORE** the test, it show:
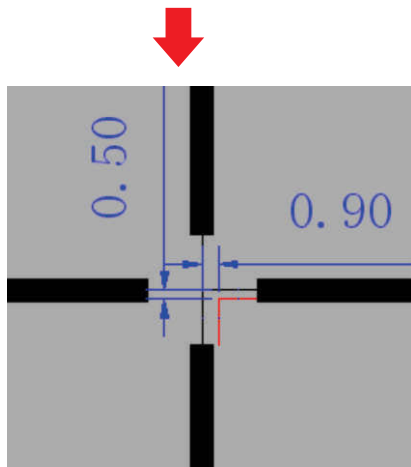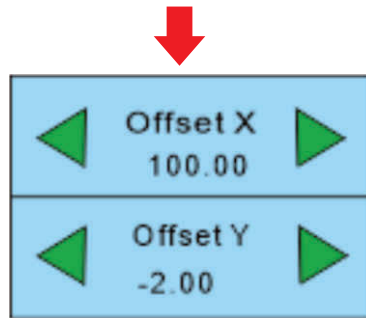

AFTER the test, it will show:

That is okay.

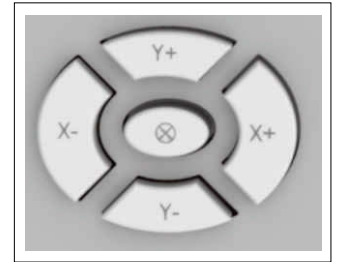## 2.15. Precise Adjustment Offset Value of Contour Cutting

If AFTER the test it shows this:

It means that you need to ADJUST Offset X and Offset Y. But if it shows that before the test, then you need to set 'offset X=100.0' and 'offset Y=-2.00', at this interface:

Offset X
100.00

Offset Y
-2.00

by pressing the 4 direction keys:

After you have adjusted the 'offset X=100.0 + 0.9 = 100.9' and 'offset Y=-2.0 + 0.5 = -1.5'