



ANHUI WILLIAM CNC TECHNOLOGY CO.,LTD

USE GUIDE

Roll Label Cutter





1. Congratulations on purchasing label cutting machine !

1.1: NOTICE

We reserve the right to modify the information contained in this user manual at any time without prior notice; un-authorized modification, copying distribution is prohibited. All comments, queries or suggestions concerning this manual please consult us.

Please read this guide carefully. It tells you how to prepare your label cutting machine for production use in a few easy steps. we do not assume any liability for direct or indirect damage that occurs due to the use of this product.

1.2: Precautions

Please read these instructions and precautionary notes carefully before using the machine for the first time!

- Do not place magnetic objects near the cutting head as even contact pressure cannot otherwise be guaranteed.
- Do not unplug the computer connection lead while a plotter is running.
- Release the pressure on contact rollers when not in use by flipping the pressure levers up.
- Keep your hands out of the machine while it is connected to the main power supply.
- Never open the machine case and do not attempt to modify the machine.
- Avoid liquid spills and metal objects entering the interior of the cutter.
- Make sure the power supply is grounded.
- Make sure the main power supply (220V/110V) does not fluctuate by more than



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±10%. In case of main power fluctuations, use a voltage stabilizer.

- Unplug the power lead during long periods of inactivity.
- Keep your hands well away from the knife holder while a cutting job is running!
- Always cancel the active job before adjusting the knife holder!
- Keep the label cutter well out of the reach of children, and never leave the machine or machine parts unattended when plugged-in.
- Never touch the tips of drag knives to avoid injury.
- Set up the machine on a stable base to avoid danger of falling.
- Never run the machine during a thunder storm; lightning could damage or destroy the machine.



2.Blade Installation

2.1: Caution

Do not touch the tip of the blade with your fingers.

2.2: Notice

The blade is a consumable item, and you'll always get the best quality cut with a newer blade. Please replace with a new blade when:

1. The tip of blade is broken.
2. The cutting traces are not as good as they were.
3. The blade will not cut cleanly even though the blade force has been raised significantly.

4.Step1/Step2/Step3

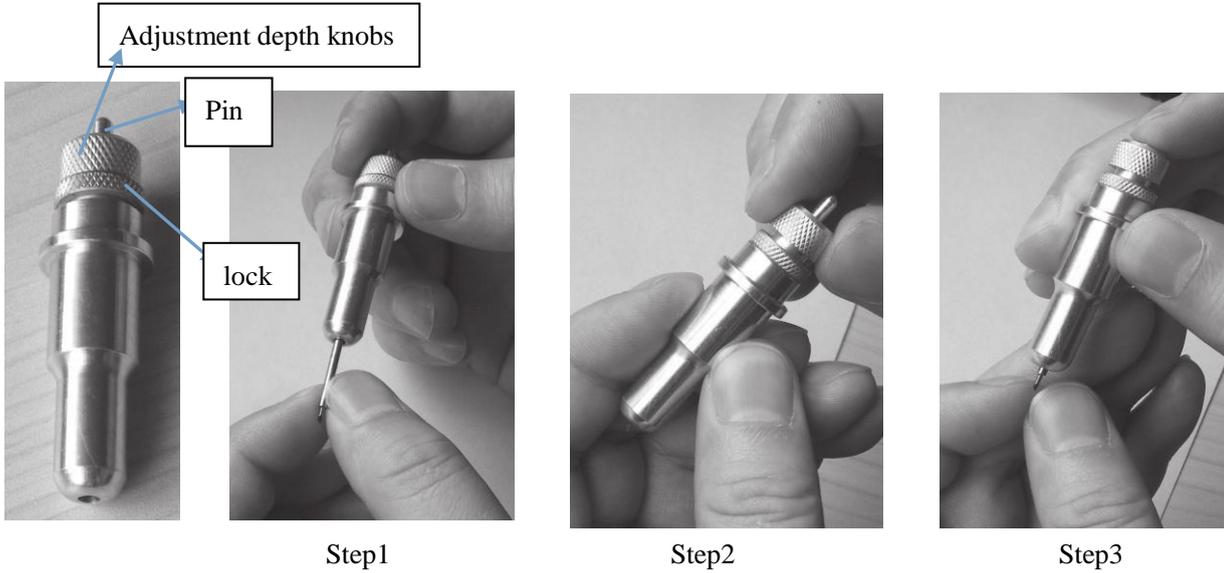
1. Push the blade to the bottom of the blade holder.
2. Adjust the blade tip to suitable length by rotating "Adjustment depth knobs" and then tighten the lock.



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3.Press the push-pin to remove the blade from the blade holder when replacing blade.

(Please refer to the file in the SD card named ‘how to install the cutting blade’)

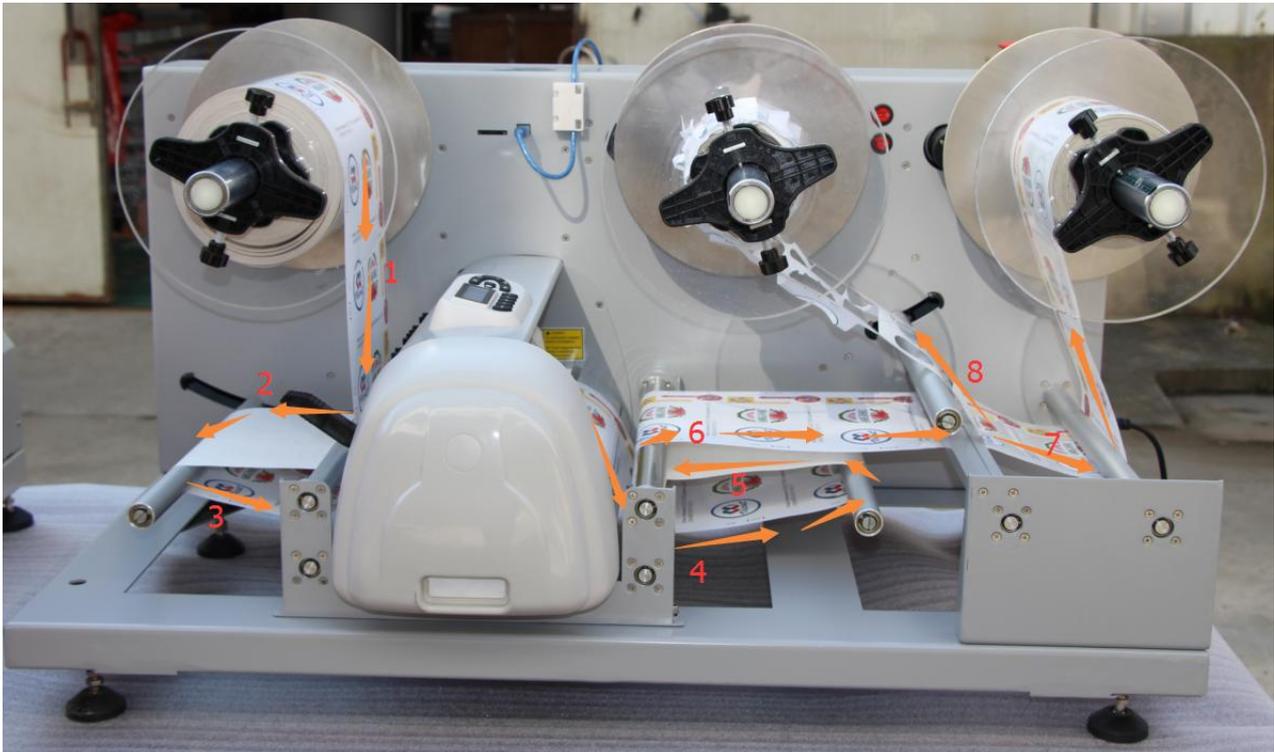
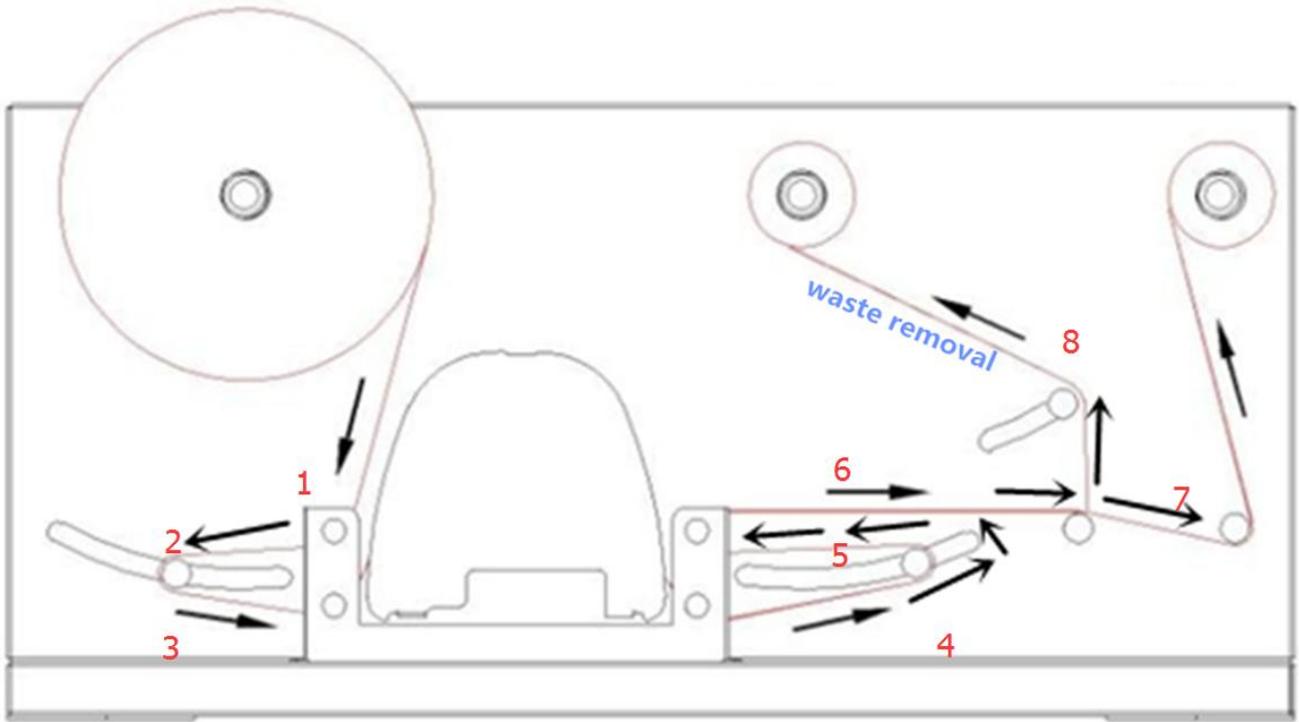




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3.Install the roller label

Please install the material according to the black arrow





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4. Software installation

Have two ways for you choose(Label Studio software & CorelDraw plug-in)

4.1: Label Studio installation

Please find the CD in the part box ---install directly

(Details operation please refer to the file named Label Studio Version2)

4.2: CorelDraw plug-in installation

Please find the SD card in the part box

(Details operation please refer to the file named 'manual for plug-in operation')

5.Label cutter control panel instructions





Seq	Picture	Details Instruction
1.		<p>Reset the control system of the cutter. Startup or press[reset],the car will move to the track's right most, entre the offline status. LCD display 'move X0/Y0', X is moving coordinate of the media, Y is moving coordinate of the carriage</p>
2.		<p>Move the location of media and car: Press[on/offline]switch the status, on the offline status, press[Up/down]move the media, press [left/right] move the car. Press[on/offline],switch the status to online and the carwill go back to the location which display ever</p>
3.		<p>Set origin: on the offline status, press [enter] set the current coordinate as working origin and into the initial state. Press the 'on/offline'button to suspend work going offline work, shift manually, such as pressing the 'OK' button is defined as the point of origin and processing, automatically reset to the current processing point, continue processing</p>
4.		<p>Switching parameter settings menu: In the online mode, press the "Settings" button to switch to set the parameters of the menu; press the "Up / Down" key to increase or decrease the parameters half the screen, press the "Left / Right" key changes in the parameters of the lower half of the screen displays; press "confirm "to save the current menu settings good health parameters (display reset or reboot after the saved parameters do not need to re-set; if not to save the setting parameters, reset or reboot after the display parameters before adjustment).</p> <p>Set the speed and pressure: In the online mode, the screen displays "speed 1200mm / s pressure 50g", press the button to increase the speed "up", press "down" button to reduce the pen speed, press the "Left" key to reduce the pressure, press the "right" key to increase the pressure ; press the "OK" button to save the parameter settings, press the "enter" health can test the current pressure; press the "option" key to return to the initial menu online.</p>
5.		<p>Test the pressure of the knife: In the online initial menu, press the"Test" button, draw a self-test pattern; the machine work when transferring data, press the "Test" button to pause the job, and then press it again to work.</p>



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6.		<p>Set the offset distance: In the online mode, press the "Set" button to switch to the "Tool Offset" adjustment menu, the screen displays "Tool Offset: X 3.3mm / Y 18.8mm", press the "up" button to increase the X value, press "down" button reduce X value, press "Left" button to decrease the Y value, press "right" key to increase the value of Y; when cut contours with respect to the printed label pattern is shifted to the left, when the increase X, Y value until the pattern cutting the contour of the middle, so that the cut-out labels will achieve the best results. Press "OK" to save the current parameters.</p>
7.		<p>Set the serial transmission rate : In the online mode, press the "Settings" button to switch to the "Baud rate" adjustment menu, the screen displays "Baud Rate: / 38400", press "left / right" keys to select the parameters (a total of three 38400/57600/115200 parameters to choose from, the greater the value, the faster transmission of data); press "OK" to save the current menu settings parameters.</p>
8.		<p>Set Scaling: In the online mode, press the "Settings" button to switch to the "Scaling" adjustment menu, the screen displays "XP 1000 / YP 1000", press the "up" button to increase the XP value, press "down" button to decrease the value of XP, press "Left" key to reduce the YP value, press "right" key to increase the YP value; when the actual size of the drawing and design size deviation, adjust XP / YP value can be scaled plot size; XP media corresponding</p>



direction, YP direction corresponds to the car; press "confirm "to save the current parameters.

Read SD card files Put SD card into the SD card slot of the machine, in the online, press the "option" key to enter the root directory of the SD card, press "option" button to exit the root directory of the SD card; by "up" and "down" select file;" right "to enter the sub directory, "Left "button to exit the current subdirectory;" OK "button to select a file to work.

6.Display Parameters

LCD Display	Parameter Meaning and Purpose
	Speed(Knife speed):display the speed Pressure(Knife Pressure):display the force value
	Baud Rate:38400 Usually the default value, without changes
	overall scaling 1 : XP width 2 : YP length
	parameter values offset 1: up and down offset 2: left and right offset



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Red light parameter value: Adjusted according to the material of the reflective intensity of cutting, Reflective large and small values, reflective of small, large value

7.Simple test operation

7.1:Calibration red light

- 1) Press [on/off line], press [left/right] to move the car.--
press[Laser] ,open the red light. move the car to the location of about 1cm up the mark point.
Select file
- 2) After adjust red light, press[Option],select the file which you want in the SD card input operation value
- 3) After select the file , press[Enter] and display the operation value, the default is 500
press[left/right]change the digit, press [up/down]change the value.
- 4) After adjusted these parameters ,press[enter] the machine begins work.
Adjust the force
During cutting, If not easily peeled off, press[Set] and select parameter adjustment, adjust the force and press [Enter]
- 5) Adjust X/Y
If you deviate from the pattern contour cutting, press[Set] and select parameter adjustment, adjust the Y value, left add Y value ,right decreases Y value. Up increase X value, down decrease X value ,press [Enter] can operate the change
The parameter of speed can adjust when machine is working, and press [Enter] for operate your changes.

7.2: Simple test operation

Please check file in the SD card ‘how to make first label’

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8: Basic maintenance

Cleaning the Cutting Plotter

In order to keep the cutting plotter under good condition and best performance, you need to clean the machine properly and regularly.

8.1: Precaution in Cleaning

Unplug the cutting plotter before cleaning. Never use solvents, abrasive cleaners or strong detergents for cleaning. They may damage surface of the cutting plotter and moving parts

Note: Daily maintenance of your cutting plotter is very important. Be sure to clean the grid drum and pinch rollers regularly for better cutting accuracy and output quality

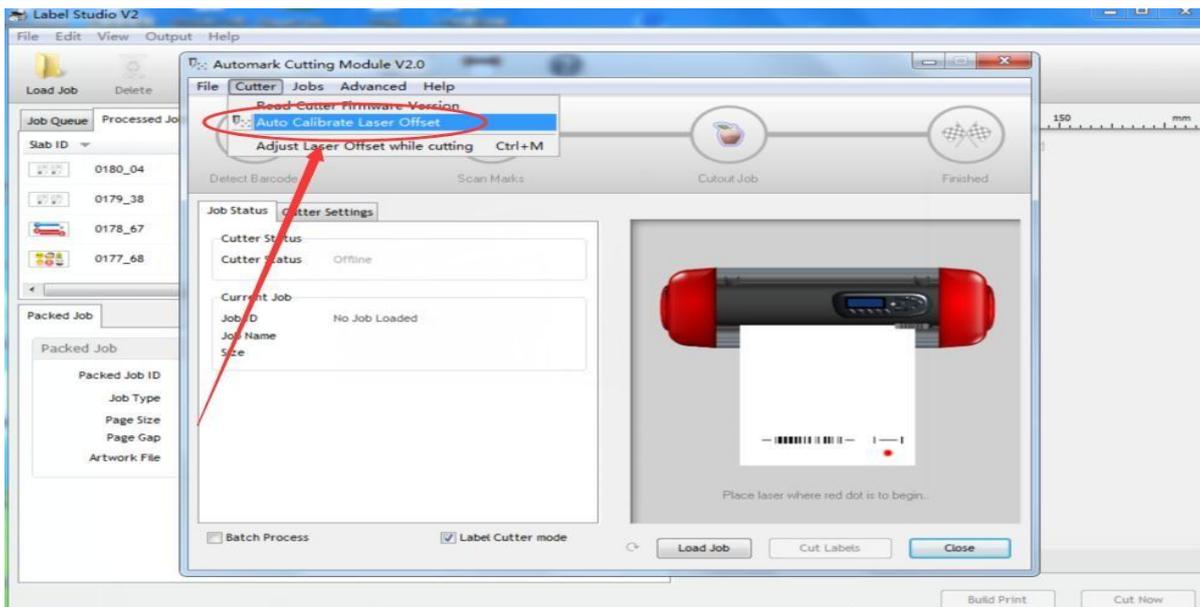
8.2: Common Problems and Solutions

(1) Cutting is not accurate?

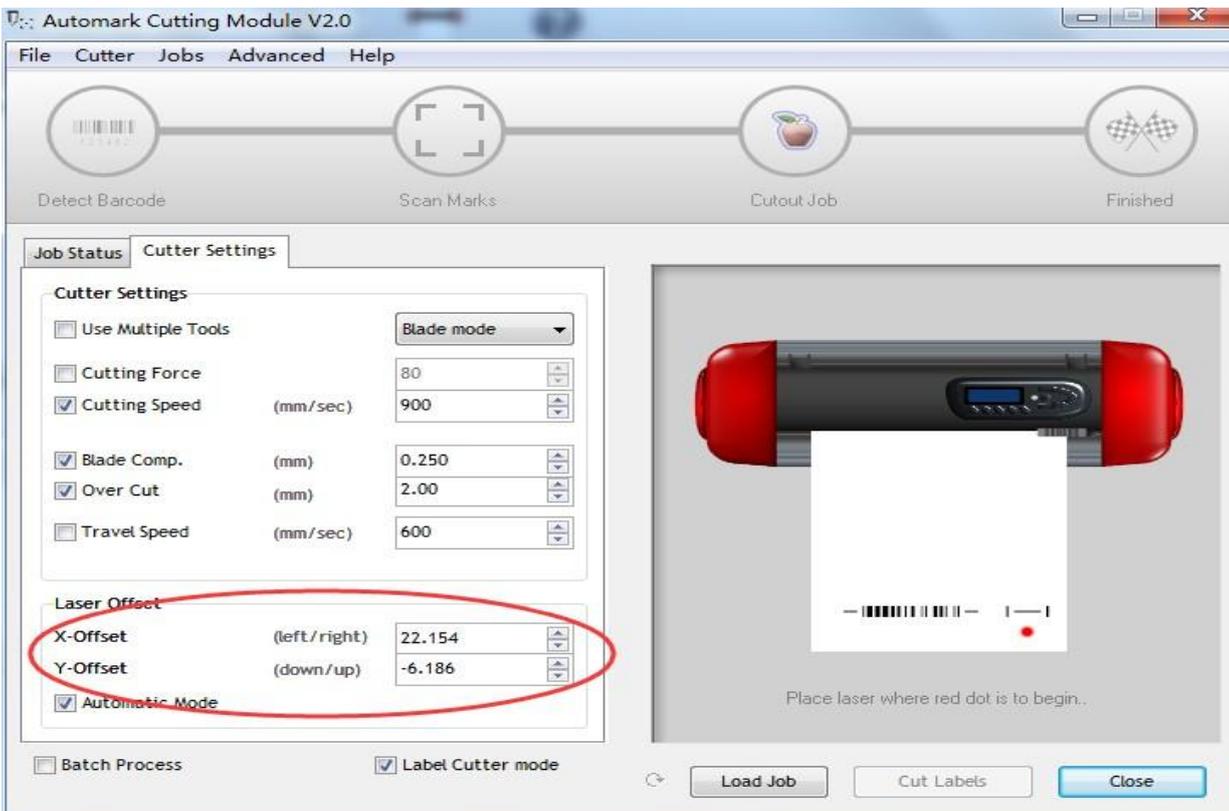
Solution: 1. Before cutting, calibrate offset values please.



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(2): Manual adjustment



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(3) Unrecognized marker?

Solution: 1.please check your print size ,label size and mark size ,there are must same with your original PDF document.

NOTE: it also can adjust the parameter in the offline status ,but it have to Calibration the red light again .So we recommend adjust the parameter when machine working.