U.S. SOLID

CODING SEALING MACHINE

MANUAL NO. 10600

SAFETY INSTRUCTION

1. Before using the machine, be sure to check whether the power cord is intact;

2. The machine must be grounded before use;

3. Do not disassemble the machine at will or use it in an uneven and humid place;

4. When inspecting and replacing consumables or parts, you must unplug the power supply before replacing;

5. Do not touch the heating part and transmission part directly with your hands;

6. Except for adding a proper amount of lubricating oil to the chain sprocket part, do not add oil or water to any other part;

FUNCTIONAL INTRODUCTION

1. This machine is suitable for sealing and bag making of plastic films, and is widely used in food, medicine, chemical industry, daily necessities, hardware accessories and other industries;

2. Due to the unique and reasonable design and structure of this machine, the electrical part adopts an intelligent control system, and the mechanical parts adopt special materials and unique manufacturing processes. It can seal plastic film packaging bags of various materials, and completely solve the common problems of the industry such as loose sealing, non-adhesion, bag eating, and tape sticking of special plastic bags. And it is superior to other ordinary sealing machines that cannot work continuously for a long time, parts are easily damaged, and the adjustment is cumbersome and unstable, so that users can use this product with confidence;

3. Since the tension of the sealing belt of this machine is automatically adjusted, the sealing is very stable, the failure rate is extremely low, and the service life is longer. It can be used continuously for a long time and can meet the production needs of large quantities.

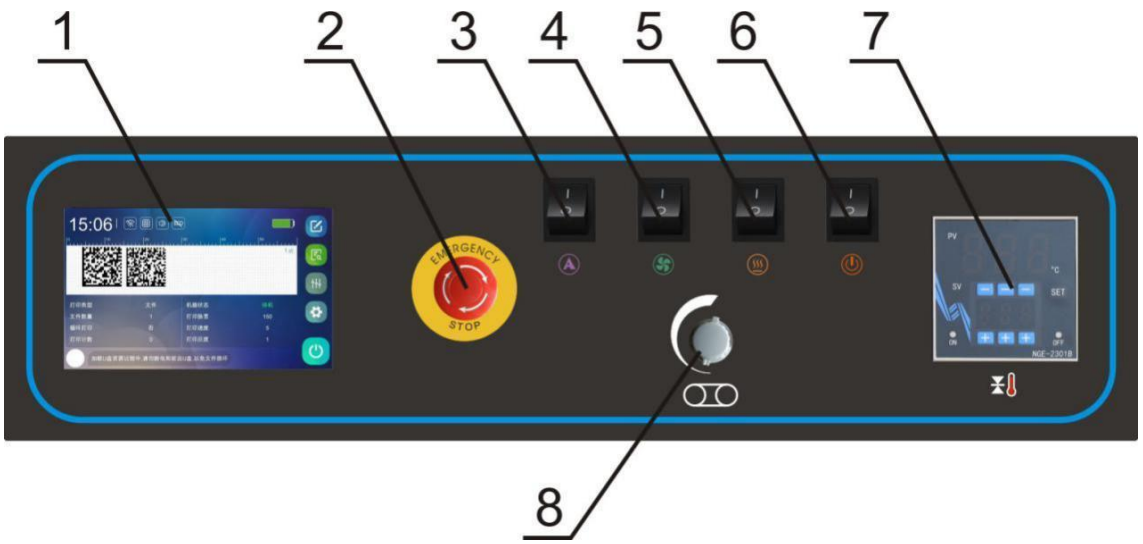
WORKING PRINCIPLE

The machine consists of a frame, speed regulation, heating, cooling control system, transmission, conveying, printing and coding components. When the machine is started normally, the electric heating element begins to generate heat, so that the upper and lower heating blocks transfer heat quickly. When the temperature is controlled to the preset temperature by the circuit board control system through the thermocouple, the packaging object can be transferred to the sealing transmission part. The packaging bag is conveyed from the gap between the upper and lower sealing belts through the heating area (softening), cooling area (setting), and then rolled into a mesh shape through the embossing wheel part, and then counted by the counting sensor. At the same time, the code printing can also be completed, and finally the whole process is completed, which greatly improves the production efficiency and saves a lot of labor and machinery costs !

BASIC PARAMETERS

POWER	600W	CONVEYOR BELT SPECIFICATIONS	70.86*7.08*0.07 INCH
MOTOR	50W	POWER SUPPLY	110V/60HZ
SEALING SPEED	0~16 (M/MIN)	CONVEYOR LOAD	22 LBS
SEALING WIDTH	0.39 INCH	MACHINE DIMENSIONS	37.40*13.78*20.87 INCH
TEMPERATURE CONTROL RANGE	0~572°F	MACHINE WEIGHT	74 LBS

ELECTRICAL CONTROL SYSTEM



No.	Name	Description
1	Touch Screen for Inkjet Printing	Used to set the working parameters of the inkjet printer
2	Emergency Stop	For emergency stop, press the machine to stop running. When using it for the first time,please turn the emergency stop switch clockwise and lift it upwards to start the machine.
3	Printing Switch	Choose to turn on or off the coding function.
4	Fan	Open or close heat sealing / Open or close fan
5	Heat Sealing	Optional opening and closing heat sealing function.
6	Power	Used to turn on or off the machine power supply.
7	Temperature Controller	Adjust the temperature of the heating block.
8	Knob	Adjust the speed, can make the sealing speed up or down.

CODING SETTING

For detailed visual guidance, refer to the instructional videos on our product page or contact us to request specific operation videos.

1. Editing Text:

Click the Edit icon in the upper-right corner, then tap the TT button. Manually enlarge the default text "TEXT" by dragging, and click the Edit button below to enter edit mode. Double-click the "TEXT" at the top to edit the content you want to jet-print onto the bag. After editing, click Yes to return to the main page. Click the Menu button at the top, select Save and print, save and name your edited text, then click Yes. Finally, click the Start icon in the lower-right corner. When the bag passes through, your edited text will be jet-printed onto the sealed area of the bag.

2. Editing Date:

Click the Edit icon in the upper-right corner to enter the edit page. Tap the calendar icon at the bottom, then manually enlarge the displayed date by dragging. After setting the date, click the Menu button at the top, select Save and print, save and name your edited date, then click Yes. Finally, click the Start icon in the lower-right corner. When the bag passes through, your edited date

will be jet-printed onto the sealed area of the bag.

3. Editing Barcode:

Click the Edit icon in the upper-right corner to enter the edit page. Tap the barcode icon at the bottom, then manually enlarge the displayed barcode by dragging. Click the Edit button below to enter edit mode.

Click the Encode button, then input the numbers to be displayed below the barcode in the input field under "Content". After entering, click the OK button next to the input field. Once completed, click Yes to return to the main page.

Click the Menu button at the top, select Save and Print, save and name your edited barcode, then click Yes. Finally, click the Start icon in the lower-right corner. When the bag passes through, your edited barcode will be jet-printed onto the sealed area of the bag.

4. Editing QR Code:

Insert the USB drive into the port on the left side of the machine. Click the Edit icon in the upper-right corner to enter the edit page. Tap the QR code icon at the bottom, then manually enlarge the displayed QR code by dragging. Click the Edit button below to enter edit mode.

Click the General button to adjust the QR code’s height and width. Next, click the Logo button and select the image from your USB

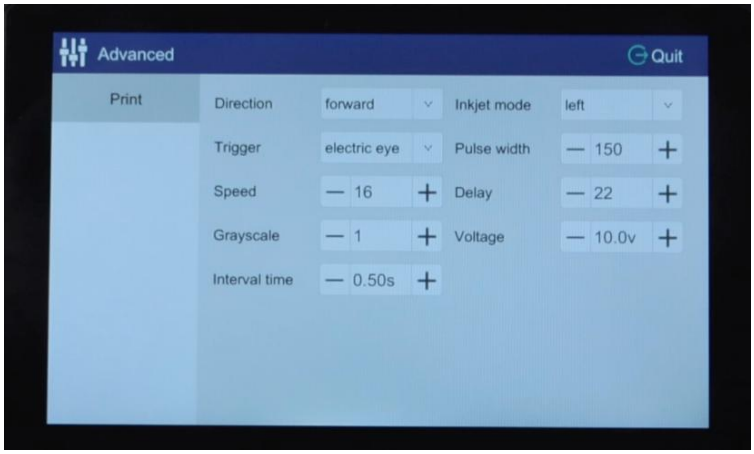
drive that you want to place at the center of the QR code. After editing, click Yes to return to the main page.

Click the Menu button at the top, select Save and print, save and name your edited QR code, then click Yes. Finally, click the Start icon in the lower-right corner. When the bag passes through, your edited QR code will be jet-printed onto the sealed area of the bag.

5. The process for editing numbers, shapes, lines, or custom images from a USB drive follows a workflow similar to the steps for text, barcodes, or QR codes。

6. Parameter Settings

(To protect proprietary designs, access to this page requires a password: 89989999)



Access Settings: Click the Parameter Settings icon on the interface.

Adjust Parameters:

Direction: Set the orientation of the text/graphics (e.g., horizontal,

vertical, mirrored).

Inkjet Mode: Adjust the inkjet direction (left-right or right-left) if print quality is unclear.

Trigger: Electric Eye Mode: Inkjet only after the sensor detects the bag. (Recommended default)

Auto Mode: Continuous inkjet (uninterrupted).

Pulse Width: Increase the value to make fonts taller; decrease for shorter fonts.

Speed: Increase the value to make fonts wider; decrease for narrower fonts.

Delay: Increase the value to move the print farther from the bag's edge; decrease to bring it closer.

Grayscale: Increase the value for thicker fonts; decrease for thinner fonts.

Voltage: Increase if ink fails to print in low-temperature environments.

Interval Time: Set the delay between detecting one bag and the next. Increase for transparent bags to avoid double-printing.

INSTALLATION & SEALING SETTING

1. Insert the connecting rod into the machine and tighten the screws. Adjust the conveyor belt assembly below to ensure the connecting rod is perpendicular to the conveyor belt.

2. Open the upper cover panel and firmly insert the ink cartridge into its slot.

3. Plug in the power cord and switch on the miniature circuit breaker.

4. For first-time use, unlock the emergency switch by turning it upward, then power on other controls sequentially.

5. Temperature Settings for Sealing: The PV value displays the real-time temperature, while SV sets the target temperature. Press the + or - buttons to adjust the SV temperature, then press SET to confirm.

6. The black knob controls the conveyor belt speed. Rotate it clockwise to increase speed or counterclockwise to decrease.The faster the speed, the higher the temperature may need to be adjusted. The slower the speed, the temperature may need to be adjusted lower.

ADJUSTMENT METHODS FOR EACH COMPONENT

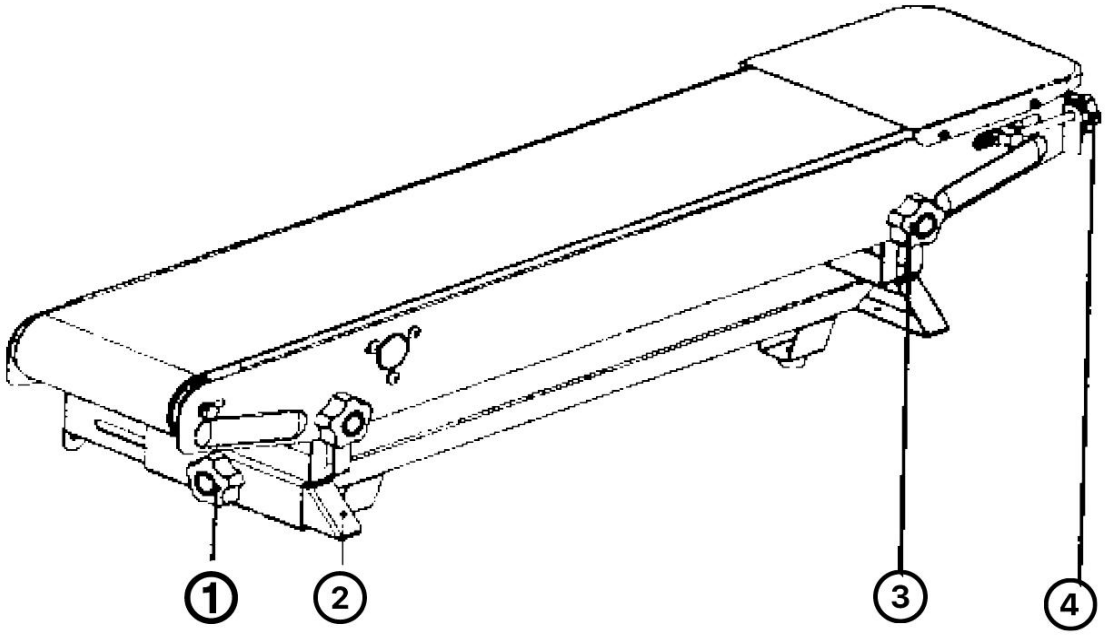
I: The adjustment method for the conveyor belt:

① Adjust the locking knob

② Tripod

③ Locking knob

④ Conveyor belt tension adjustment knob



Conveyor belt tension adjustment: When the conveyor belt is too loose or too tight, turn the two "conveyor belt tension adjustment knobs ④" at the same time (right-handed for tension, left-handed for loosening) until the conveyor belt is tight enough.

Front and rear fine-tuning adjustment of the conveying workbench: When the conveying workbench needs to be adjusted back and

forth, first loosen the "adjustment locking knob ①" on both sides, and then push or pull the workbench until the position is appropriate. Then, lock the "adjustment locks" on both sides respectively Tighten the knob ①

Up and down fine-tuning of the conveying workbench: When the conveying workbench needs to be adjusted up and down, first loosen the "locking knobs ③" on both sides, then move up or pull down the workbench to achieve the desired position. Secure it by locking the "locking knobs" on both sides respectively ③.

If there are any modifications to the machine, no prior notice will be given.

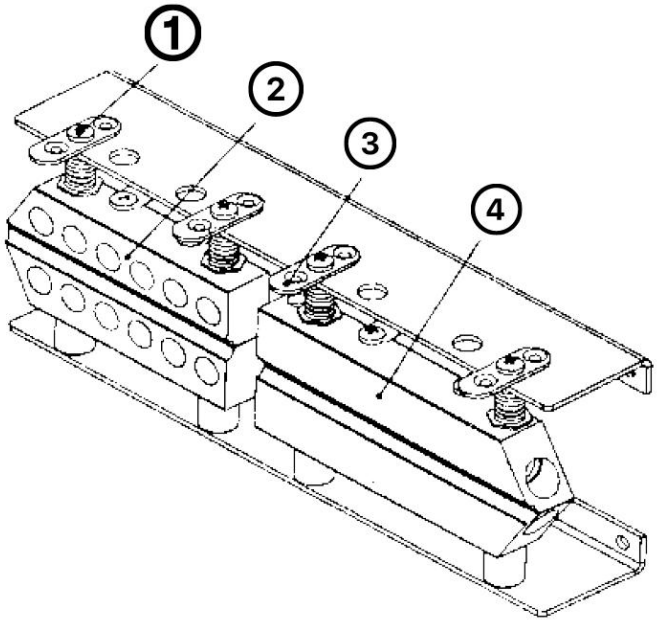
II: Adjusting the sealing section

① Adjustment screw

② Cooling block

③ Lifting piece

④ Heating block



Adjustment of the distance between the upper and lower heating blocks and cooling blocks: Due to different sealing materials and their thickness, the distance between the upper and lower heating blocks and cooling blocks needs to be adjusted for each product that is sealed. This can be done by turning the upper adjustment screw ① to the left to reduce or increase the distance between the upper and lower heating blocks and the cooling block.

Sealing belt replacement method and adjustment: After the

heating block cools down, remove the protective cover and rotate the lifting piece ③ on the heating block and the cooling block by 90°. Raise the two parts and loosen the embossing wheel and the middle pressing wheel. Remove the guide belt then push the passive wheel seat toward the heating block. Remove the sealing tape and replace it with new sealing tape. Finally, return the passive wheel, heating block, cooling block, embossing wheel, etc. to their original positions.

Contact：

Feel free to visit our website:

www.ussolid.com

You can also email us at service@ussolid.com