

YS-801 and YS-802 SMD Counter

User Manual

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Chapter one Introduction

一、Product principle

There are two models SMT counter in our company: Ordinary SMD counter and leaking hunting SMD counter

1. Ordinary SMD counter: Using photoelectric sensing principle and the corresponding relationship between the component carrying guide hole and the component, through the special processing chip and large scale integrated circuit processing, zero error can be achieved to accurately measure the number of SMD component which can realize convenient and fast counting. It is an efficient auxiliary equipment for SMT material management

2. leaking hunting SMD counter: Ordinary SMD counter is equipped with high-speed optical fiber. According to the principle of light intensity contrast between empty material and solid material, accurate detection of empty material and indicates stop.

二、 Product feature

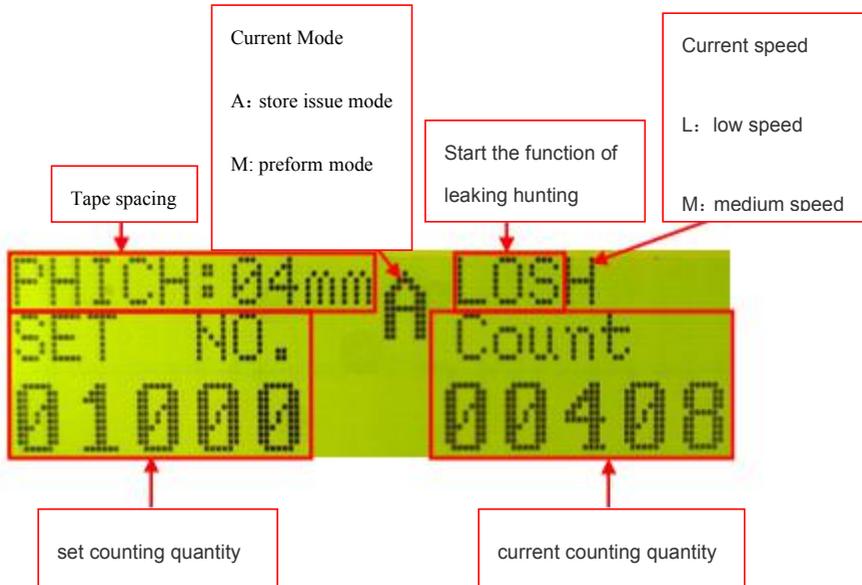
Calculating the component automatically and conveniently, simple operation of sending material. innovative design of anti-material belt will reduce the damage to the material belt .positive and negative direction can be counted.It can set preset number, calculate accurately to zero error. It can be installed scanning gun and bar code printer, easy to manage the operation.

3. product specification

Scope	SMD belt component	Counting range	-99999--99999PCS
Material spacing	2, 4, 8, 10, 12, 16, 20, 24, 32, 44, 56mm	Feeding Plate	≤380mm
		Size	L470*W300*H180 mm
Power	AC220/110 , 50HZ , 30W	weight	10KG

Chapter two Machine and key introduction

parameters description in screen:



A Mode: store issue mode:

After belt is installed, the machine can only operate by setting the count quantity. When the current count quantity reaches the set value, the machine will stop running

M mode:

After belt is installed, it can operate 801SJ、802SJ and stop automatically.and other models must manually press the [stop] button to stop the operation

Machine parts:



801 The upper part 802 The upper part

Turn the wrench screw clockwise, move the cover up and down to adjust the space between the front and back to use different thickness belt.



801E Upper part



802E upper part

Loosen the adjusting screw, turn the parts to different angles to use different thickness of tape

Keys introduction:

PITCH
间距

: The distance between two chips (for confirmation of the distance in page 7)

TIME/LOSS
时间/漏件

: switch speed when A mode

SET
设置

Set quantity when A mode

PRINT
打印

Enter the print interface and send the print signal



: Press in short time, the machine stop running, long press 2s can be the current count number value reset



: The left motor of the machine drives the material tray and reverses the material



: The motor on the right side of the machine drives the feeding disk and turns the feeding point positively



: Long press for 2s to open leak detection function (this function is only used for leak detection models)



: The Numbers 0~9, input the corresponding values letters marks on Corresponding interface. (letters and punctuation

marks are only used when in printing Settings)



: Long press 2s to switch the current counting feed mode, A store issue mode, M is preform mode (long press 2s on the

printing interface to enter the printing parameter setting interface)



: Confirm the current input value (used in the print interface and print parameter setting interface)

Chapter three Machine installation and instruction

一： Open carefully the box of this machine and check the following items:

One set machine

a set of accessories (One instruction book, one optical frame, one power wire, two tow trays, two socket wrenches

二、 mounting accessories:



Frame installation: remove the two hexagon socket screws at the back of the machine, fix the frame as shown in the picture and lock the screws

Installation of tow material disc: remove the screw from the left and right rocket head, place the tow material disc on the rocket head, and lock the screw as shown in the picture

三 Confirm whether the current power supply voltage is consistent with the machine voltage (if there is no special requirement, the machine's default voltage is 220V), turn on the machine switch in power on.

四 . Loosen the hand screws on both sides of the machine counter clockwise, expand the material tray support on both sides into a shape, and then tighten the hand screws

五 install materials and operate machines:

1. Place the material tray and empty material tray on the tow tray on both sides of the machine, and align the hole position of the material belt with the gear in the middle of the machine face down (as shown in below).

2. Set the material spacing of the material belt, pull the material belt manually to the position of the first material, clear the current quantity, and then pull the material belt into the empty material plate manually (if leakage detection function is needed, press [leakage detection] button 2s to open the side leakage function, 802E, 802, 802SJ three models can use this function).

3. If the sending mode is needed, switch the mode to mode A and set the amount of sending material to run. The machine will stop running until the set amount stopped..If the plate mode is needed, switch the mode to M mode. When the machine runs until the end of material inventory, stop manually the machine and pull the material to the last material. The current quantity is the quantity of the whole plate



shrapnel

When the material belt is installed, first press the shrapnel, then put in the material belt, and the hole must be stuck

Remark: Note: 1. During manual pulling of the material belt, the machine also accounts, which is consistent with the automatic counting.

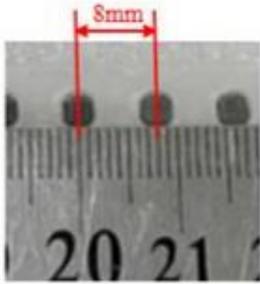
2.the inventory of aniseed plate speed must be reduced, otherwise the stop inertia is too large, material belt easy to fall off;

3.gear machine forward rotation in the first material on the right side, so that the last material on the left side is the correct value, similarly, reverse in the first material on the left side of the clear, to the last material on the right side is the correct value

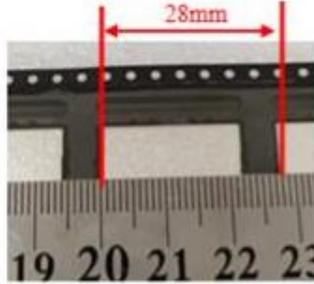
Method of pitch confirm:

Measurement

Select any two adjacent materials, take a point of the two materials as the reference point, and measure the distance between the two points, which is the distance between the materials, as shown in the figure below:

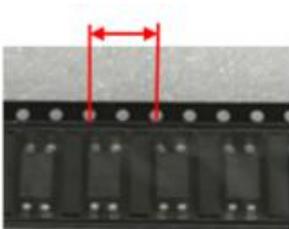


Picture 1

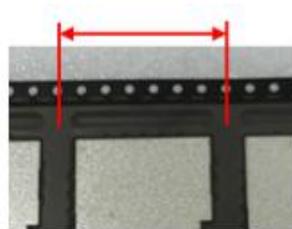


Picture 2

2. Ocular estimate:



Spacing: $2 \times 4\text{mm} = 8\text{mm}$



Spacing: $7 \times 4\text{mm} = 28\text{mm}$

The hole spacing of material belt hole positions corresponding to standard machine gears is 4mm. Select a reference point and there are several hole spacing between the same reference point and the next one. Then multiply 4 to get the spacing of material belt, as shown in the figure below:

Note: except 1mm pitch, other pitch is 2 or 4 multiple. During measurement, the same reference point on two materials should be selected, for example, the center of the selected material in figure 1 and the edge of the selected material in figure 2

Scanner and Printer :



Note: there will be a two-part RS232 connection line in the accessories of the printer and scanning gun, the female head will be connected to the rear interface of the machine, the two male heads will be connected, the long line will be connected to the printer, and the short line will be connected to the scanning gun

operating steps:

Press the [print] button to enter the print interface, as shown in the figure



- 1、 Move the cursor left and right by pressing the key [forward] [reverse], move the cursor to the first character in the first line, press the number "1" for two consecutive times to clear the current character, then move to the second character and double-click the number "1" to clear the character, until all characters in the first line are cleared and press the "Enter" key to save
- 2、 The first line of the interface: Enter the company name abbreviation, press Enter to save after the input is completed;

The second line of the interface: Enter the current date and time. After the input, press Enter to save.

The third line of the interface: enter the material number information of the product. If you purchase a scanning gun, you can directly scan the material information. After the scanning, the content of the scanned barcode will be displayed in this line

3. Press [↑] on the print interface to enter the print parameter setting interface, as shown below:



X: Move left and right to print

Y: move up and down to print

W: print the space between bar code

H: print the high between bar code

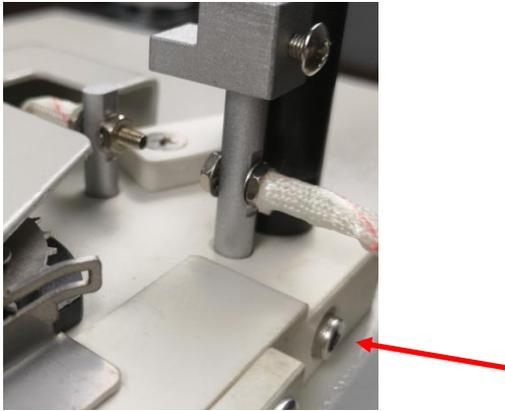
Move the cursor and set the corresponding parameter as XYWH: 150, 050, 02, 040

Note: this parameter is used for standard printing paper (the size is 70*40mm). If the size of printing paper used by users is inconsistent with that of standard paper, please adjust the parameter according to the actual printing situation. Generally, only the X and Y values need to be changed

Adjustment description of fiber leakage detecting:

Use leak hunting functions need two conditions:

1. Correct fiber optic detection height



Loosen the screw indicated by the arrow, adjust the height of the optical fiber mounting seat on the whole up and down, so that the transmitted light is aimed at the center of the material belt, then it is the correct detection height (if the material belt is too wide, adjust the distance of the optical fiber, loosen the nut of the optical fiber head and move back).

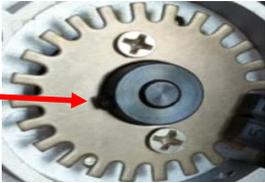
2.Appropriate detection sensitivity



After the Height adjustment you need to check whether leak function is open (open the screen will show LOS, see the description page 2), open the function and test the machine whether will place a drops of alarm after running to the material, and stop running, if not then adjust the sensitivity of the machine rear optical fiber amplifier, the arrow of the knob in the direction of MAX adjustment, until a prompt alarm when they can be detected, if in the process of testing in a location with material will also send out alarm, shows high detection sensitivity, the knob must be adjusted to MIN.

Chapter Four common trouble and solution

fault phenome non	fault cause	solution
When the machine is running, the material belt falls off from the gear or jumps out of the belt	1、 The tape is not installed correctly	Install material belt position correctly, hole facing down
	2 、 The left and right material tray supports sag, resulting in the material belt and gear running in an inclined state, at which time the material belt is easy to fall off	Take back the material tray bracket and adjust the position of the left and right material tray bracket so that it is basically in the same horizontal plane with the machine shell
	3 、 The gap between shrapnel and gear is too large, and the material belt falls off from the gap during operation	Loosen the two screws of the part shown in the figure, adjust the gap between the shrapnel and the gear, and the lowest point of the shrapnel is roughly in the middle of the

		<p>gear tooth</p> 
<p>Check quantity is not accurate and calibrate it back and forth The same material belt, each time the quantity is not consistent</p>	<p>1、Strip off</p>	<p>See previous troubleshooting</p>
	<p>2、The lower gear screw is loose</p>	 <p>Open the back cover of the machine and check whether the screws are loose</p>
	<p>3、Damage of induction switch</p>	 <p>If the above problems are excluded, open the back cover of the machine and replace the induction switch shown in the figure</p>

	1、 Poor screen contact or damage	Disconnect the power, open the bottom cover of the machine, shake the display screen line, and test on the power
The screen does not display or the screen is white or black	2、 The machine is not powered on	When the power-on screen is not displayed after power-on, check whether the red switch is on. If not, check whether the connected power supply has electricity or the switch is damaged. If the switch is on, please contact the supplier
Note: if the machine fails, please contact the supplier		

After-sales service

Warranty period is one year, lifelong maintenance. The following situations are not covered under warranty:

1. The damage of the machine was caused by your own handling.
- 2, The damage of the machine was caused by use the voltage stabilizer in the region with unstable voltage,
- 3, Resulting in damage to the machine as not using the correct voltage.
4. Damage caused by the changing machine without the consent of the company.
- 5, Item not shipped by our company, maybe from other middleman
6. Act of god or force majeure

Warranty Card

Name of user:

Address of the user:

Type of machine:

Telephone of user:

Date of purchase:

Seal of the dealer:

User instructions:

I. Warranty 1 year for the machine since the date of purchase, and lifetime maintenance.

II. The following situations are not covered under warranty:

(1) The machine is damaged due to the improper operation, negligent use or natural disasters.

(2) The components of the machine break due to the abnormal operation.

(3) The machine has been disassembled or repaired by the people other than the technical personnel of the company.

(4) The damages are due to the consumables or parts not provided by the company.

(5) The damages are due to the use of the voltage not prescribed by the company.

III. In addition to the warranty, the company will not recognize the warranty card issued by any other enterprise or person.

IV. Please well keep this card and the formal purchase receipts, and render them to the company's personnel for review. Then the card and receipts are valid.

V. If the card contains no business seal or date of purchase, it will be deemed as invalid.