



SEMI-AUTOMATIC STRAPPING MACHINE

MANUAL NO. 9786



CONTENTS

SAFETY INSTRUCTION	1
TECHNICAL PARAMETERS	5
ACCESSORY	7
OPERATING ELEMENTS	8
OPERATION	9
PRECAUTIONS FOR USE	18

SAFETY INSTRUCTION

Please read the instructions carefully. Not following this prompt could result in operator injury during the operation.

1. BATTERY OPERATION

Environmental protection

- 1) Please do not burn used batteries or put them into a household trash can or waste water tank.
- 2) Dealers provide environment-friendly battery recycling services.

Short circuit

- 1) Do not leave batteries and other metal objects together.
- 2) Do not open the battery. Store the battery in a dry and anti-frost room. The maximum temperature is 50°C. Please keep dry at all times.
- 3) Do not charge faulty batteries. Change a new one immediately.

2. EYE INJURY HAZARD

You are required to wear safety glasses with side shields. Not doing so can cause eye damage and even blindness.

3. OPERATION

Improperly trained personnel are not allowed to operate the strapping tool. Carefully read and understand the operating instructions before using the strapping tool. If you do not follow the operating instructions or improperly load the straps, it will cause strap damage.

If you are not familiar with the strapping tool, please keep your fingers far away from the squeezing or cutting areas.

4. ADHESION POSITION

You should check the pressured adhesion position. Be familiar with adhesion control and regulation. Incorrect adhesion position is hazardous and can cause serious injury. Please do not ship containers that are incorrectly packaged.

5. STRAP DISTRIBUTION

Please use the specially designed distributing device to distribute the straps. Fold the strap ends into the distributing device when not in use.

7. BROKEN STRAP HAZARD

Improper operation, excessive tensioning, or improper use of straps will loosen the tightened parts of the machine and eventually lead to straps breakdown. When this happens, the operator loses balance and falls, and the strapping tool and straps quickly fly to the operator's face.



Attention:

- 1) If the load angle is very sharp, please add edge protection.**
- 2) Please wind the straps around the suitable load surface.**
- 3) When operating the machine, the operator should stand beside the straps and keep spectators far away to avoid injury from flying straps or strapping tools. Please use recommended straps with good quality, suitable width, size, and strength. Straps that do not match may cause damage when tensioning.**

8. TENSIONING STRAP SHEARING

When shearing straps, please use a suitable shearing tool and ensure a safe distance from people. Do not stand on the same straight line with

straps, and keep away from the straps loosening direction. Please use the special tool for shearing straps. Do not use a hammer, plier, hacksaw, axe, and so on.

9. FALL HAZARD

Keep your work area clean and tidy. An untidy work area is likely to cause an accident. Before tensioning, improper or unbalanced posture may lead to a fall, especially on the stairs. So, maintain a proper body balance; tread on a flat, solid surface. When you feel uncomfortable, do not operate the tool. Please pay attention to the precautions specifically mentioned in the work area.

10. STRAPPING TOOL HAZARD

To avoid damage or work accident:

- 1) A well-maintained strapping tool is necessary.
- 2) Periodically inspect broken or worn parts; if there are cracks or worn parts, do not use the machine.
- 3) Do not modify the machine as it may cause personal injury.

TECHNICAL PARAMETERS

1. DESCRIPTION

This strapping tool uses plastic straps. Use the strap-feeding device manually to wind the plastic straps around the box (bag). Strap ends are inserted into the strapping tool and automatically tensioned and separated after friction adhesion.

2. SIZE OF STRAPPING TOOL WITH BATTERY

Length: 14.17"

width: 5.51"

Height: 7.87"

Weight: 7.93 lb

Battery weight: 0.88 lb

3. STRAP MATERIAL

Quality: flat or embossed PET or PP strapping .

Strap size: 1/2inch -5/8 inch (width) / 0.4mm-1.2mm (thickness)

Please choose the appropriate size according to strapping tool .

4. STRAP STRENGTH

Tensile strength: 400-3500N adjustable (Maximum value depends on the quality of the straps)

Adhesive strength: about 75% of the plastic strap (Depending on the quality of the straps)

5. WORKING TEMPERATURE

- Ambient air temperature is 5°C to 45°C (41°F to 113°F)
- Optimum working temperature is 15°C to 20°C (59°F to 68°F)

ACCESSORY

Please use the parts and accessories specified in the operating instructions.

Using other accessories may hurt you and others.

1. BATTERY POWERED STRAPPING TOOL

Some strapping tools may use NiCd (nickel-cadmium) or NiMH (nickel metal hydride) batteries; please purchase the battery for this tool according to the following parameters.

Type: Lithium battery

Voltage: 18V

Capacity: 2.0Ah

2. BATTERY CHARGER

Standard charger: Input: 100-240V ~ 50/60Hz

Output: 14.4V-18V,2.4A

Charging time: Lithium battery 2.0 A/h, charging time is approximately 45 minutes.

OPERATING ELEMENTS



Diode Status Indication	
Green	Normal working
Red flashing	Low battery, please charge
Red	Machine failure, power off, inspect
Purple	Work completed

OPERATION

1. INSTALLATION

- 1) Please do not put the strapping tools in the rain!
- 2) For security, the battery is not charged before delivery.
- 3) Please charge the battery before using it.

Battery disassembly

- 1) Push the battery box cover assembly upward by arrow direction, and insert the battery into slot from up to down.
- 2) When inserting the battery, electric quantity state will show for a short time.
- 3) Battery charge status is displayed by the LED charging indicator.

Remove drained battery

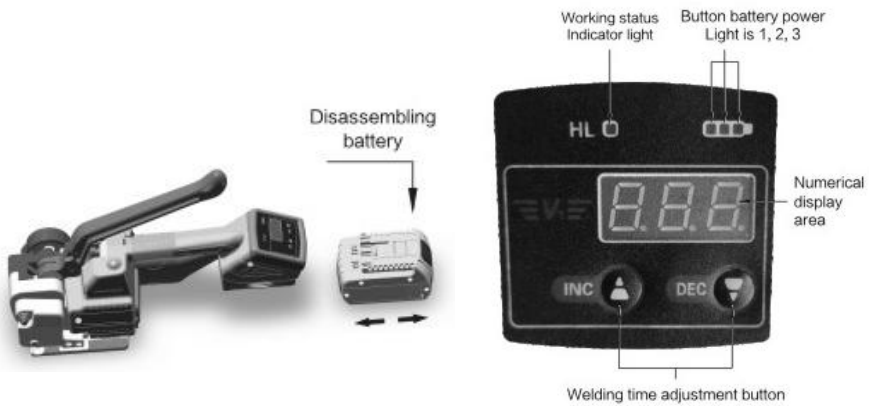
If LED flashes in red when tensioning or welding, which indicates that the battery power runs out, all electrical functions will be stopped.

Adhesion insufficient



WARNING ! If the adhesion is not sufficient, please remove the straps!

The battery must be charged.



Battery level	Indicator 1	Indicator 2	Indicator 3
2/3 – fully charged	Green light	Green light	Green light
1/3 - 2/3	Green light	Green light	Extinguish
0 - 1/3	Red light	Extinguish	Extinguish
0	Extinguish	Extinguish	Extinguish

2. OPERATION FUNCTION DESCRIPTION

1.adjustment of welding time: short press the INC key to lengthen the welding time; Short press the DEC key to shorten the welding time (each adjustment range is 0.1 seconds, and the value display range is 0.5-3.5 seconds).

2.display of cumulative welding times: long press DEC to enter the statistical display of cumulative operation times after startup, and the nixie tube displays "XXX.", Indicates the "hundred, ten and ones place" bits of the cumulative operation times. Click DEC to switch to "XXX" which means "100000, 10000 and 1000" of the cumulative operation times. Press the INC key to exit this interface and return to the welding time interface.

3 long press the "INC' key for 3 seconds to enter the cooling time setting, the nixie tube displays "LX. X", and the color of the left nixie tube is yellow. During the long press, the buzzer keeps beeping continuously, and the buzzer stops beeping after releasing the key. Press "INC" to increase the cooling time in 0.1 steps, press "DEC" to reduce the cooling time in 0.1 steps (adjustable range: 1.5 - 3S), and long press "INC" OR "DEC" to exit this interface and return to the welding time interface.

Lock and unlock set:

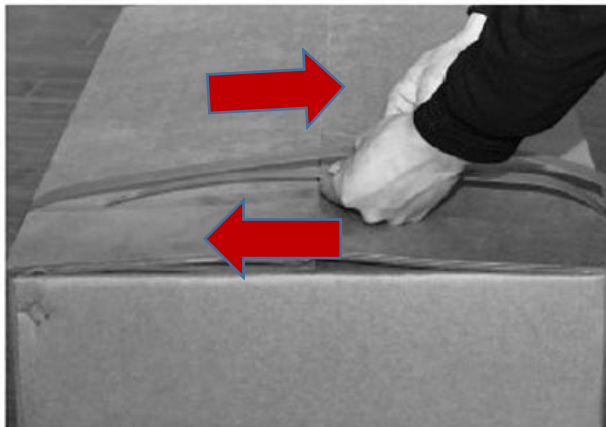
1. In the state of no packaging operation, it will enter the sleep state after 120 seconds. To wake up, gently press the welding button lightly (do not press it to the bottom otherwise it will trigger the machine to perform welding operation). Then the machine will enter the working state. You can operate the packing.
2. In the state of no setting operation, the button will enter the sleep state after about 30 seconds(there will be a Bee sound). If you want to set the welding time, please quickly press the DEC key twice to unlock the machine. (Tips: Keep your fingers on the machine keys and press twice in a row.)

3. OPERATION STEPS:

① STRAP WINDING

Wind the straps as shown in the diagram (The strap that needs to be cut is stacked on top). **This semi-electric strapping machine is installed by default with a spring that fuses the PET strapping . If you use PP strapping, please replace them with another spring we have prepared for you. (Since the process of replacing the spring and cutter suitable for PP strapping is complicated and requires disassembling the machine shell, it is recommended to use PET strapping)**

⚠ Warning! Keep away from oil, grease and other dirt when welding plastic straps. Dirty straps can't be welded.



② STRAP INSERTION

Press and hold the handle with your right hand, move the packer, put the upper and lower belts in parallel, and then release the handle.



③ STRAPS TENSIONING

Hold the machine with your left hand and swing the handle back and forth with your right hand. Tighten the packing belt to the expected tension and hold the handle.



Keep the packing tool moving in balance when tensioning.

Therefore: do not obstruct the moving direction of the packing tool.



④ CONTACT ADHESION


Press the welding button and leave immediately. The packing belt is welded and the excess packing belt is cut off.

After welding, the machine gives a prompt sound.



⑤ REMOVE STRAPPING TOOL




Press and hold the handle with your right hand to remove the machine.

 REMARKS: the machine will be powered off automatically after 2 minutes of unpacking operation. Press the welding button to wake up.



4. ADHESION CONTROL

Normal adhesion control is necessary. You can see the quality of the adhesion with the eyes as shown in the following diagrams:

	<p>Correct adhesion:</p> <p>Weld the entire width of the strap; the welding length is about 19 mm. A small amount of molten plastic is allowed to overflow the edge.</p>
	<p>Welding time is too short:</p> <p>The entire width is not welded, and the adhesion is insufficient.</p> <p>⚠ WARNING! Straps with insufficient welding must be removed. Adjust the welding time.</p>
	<p>Welding time is too long:</p> <p>If the welding time is too long, straps are overheated, and molten plastic overflow on two sides. The adhesion effect is affected.</p> <p>⚠ WARNING! Straps with inadequate adhesive strength must be removed. Adjust the welding time.</p>

PRECAUTIONS FOR USE

- 1. When tightening the machine for use, please ensure you use a strap that matches the spring installed in the machine. This electric strapping machine has a default installed spring that fuses the PET strap . If you use PP straps, please replace them with another spring we have prepared for you. Since the process of replacing the spring and cutter suitable for PP strapping is complicated and requires disassembling the machine shell, it is recommended to use PET strapping**
2. In the first few times using the electric strapping machine, please test the welding time several times to achieve the best welding effect.
3. Properly adjust the welding time according to different temperatures. The welding time can be appropriately increased when the temperature is low in winter.
4. Increase or decrease the welding time appropriately according to the thickness of the tie.

5. If there is strap residue on the cutting gear, please clean it up in time.
6. If the machine is stuck in the strapping process (LCD in red) due to straps stuck in the machine, switch off the power, cut the straps, remove the screws on the left and right panel covers, remove the straps, and check the machine. Check if the lines on the travel switch fell off and replace the micro switch.
7. If the motor doesn't rotate, press the welding and tensioning buttons, check the motor and micro switch, and replace the motor and micro switch.

Contact

Feel free to visit our website:

www.ussolid.com

You can also email us at: service@ussolid.com