



## ELECTRIC STRAPPING MACHINE

MANUAL NO.10794



# **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.

## **6. 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.**

## **7. 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.

## **8. 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.

## **9. 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: 380mm

Width: 135mm

Height: 135mm

Weight: 3.2 kg

Battery weight: 0.5kg

## **3. STRAP MATERIAL**

Quality: flat or embossed PET (**Recommended to use with U.S. SOLID PET strapping**). You can search for polyester PET strapping roll and PP (polypropylene) straps in our store.

Strap size: 13mm-16mm (width) / 0.4mm-1.2mm (thickness)

Please choose the appropriate size according to strapping tool .

#### **4. STRAP STRENGTH**

Tensile strength: 900-3200N adjustable (Maximum value depends on the quality of the straps)

Tensioning speed: 100-200mm/s

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: 14.4V

Capacity: 4.0Ah

### **2. BATTERY CHARGER**

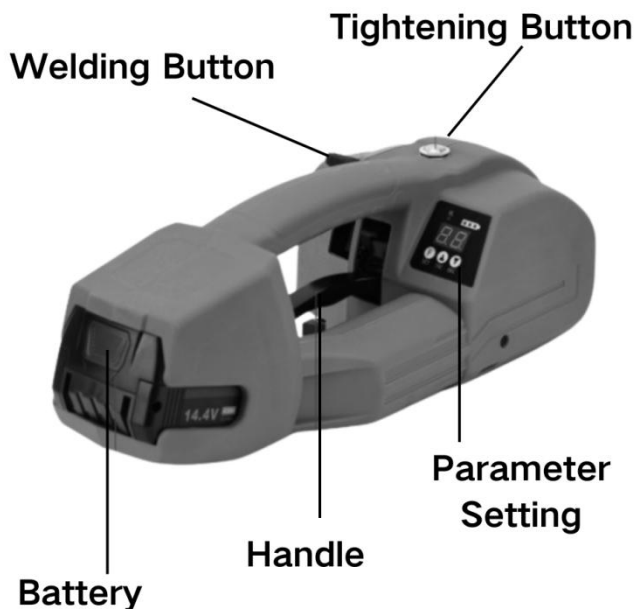
Standard charger: Input: 100-245V ~ 50/60Hz

Output: 16.8V $\overline{\sim}$ 3.0A

Charging time: Lithium battery 4.0 A/h, charging time is approximately 100 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. Refer to the battery charging instruction manual.

### **Battery disassembly**

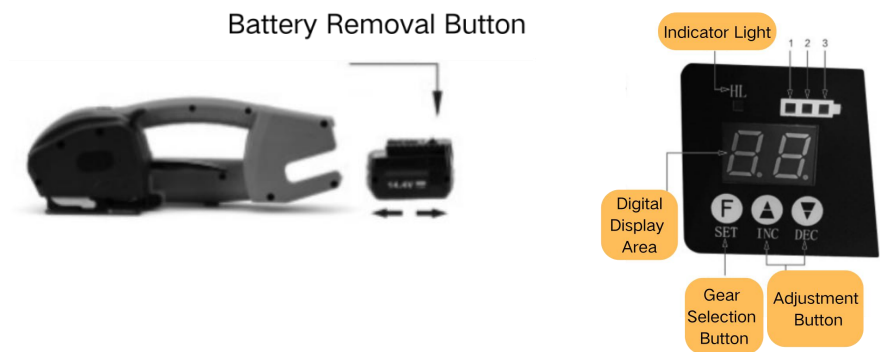
- 1) The battery is disassembled and assembled according to the graphic direction. Press the red button to remove the battery.
- 2) The electric quantity state shows for a short time when inserting the battery.
- 3) The indicator light displays the battery charge status.

### **Remove drained battery**

If the indicator light flashes red when tensioning or welding, indicating that the battery power has run out, all electrical functions stop.

**Insufficient Adhesion**

**⚠ Warning:** If the adhesion is not sufficient, please remove the straps ! The battery must be charged.



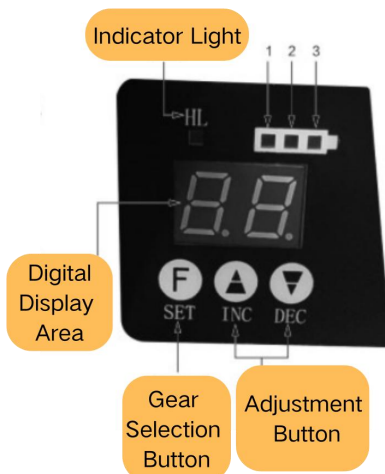
Battery level	Indicator 1	Indicator 2	Indicator 3
2/3 – fully charged	Green light	Green light	Green light
1/3 - 2/3	Green light	Green light	Extinguish
0 - 1/3	Red light	Extinguish	Extinguish
0	Extinguish	Extinguish	Extinguish

## **2. ADJUSTMENT OF WELDING TIME AND TIGHTENING FORCE**

Decide the welding time and tightening force according to the size and quality of the straps. The symbols Left (F), Middle (▲), and Right (▼) can adjust welding time and tightening force.


1. When you press left (F), the protection plate screen shows F1 (press again to show F2). F1 is the tightening force instruction. Press middle (▲) to tighten more; press right (▼) to tighten less (loosen) (the calibration ranges from 1-10).

2. When you press left (F), the protection plate screen shows F1 (press again to show F2). F2 is the welding time instruction. Press middle (▲) for more; press right (▼) for less (the calibration ranges from 1.0-5.0s).



### **3. STRAP WINDING**

Wind the straps as shown in the diagram (The strap that needs to be cut is stacked on top). **This electric strapping machine is installed by default with a spring that fuses the PET strap (Recommended to use with U.S. SOLID PET strapping, you can search for polyester PET strapping roll in our store). If you use PP straps, please replace them with another spring we have prepared for you.**

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



### **4. STRAP INSERTION**

Lift the handle with your right hand, insert straps with your left hand, stack the straps in parallel, and release the handle.



## **5. STRAP TENSIONING**

Press the tensioning button. When the strap tensioning strength is reached, release the switch knob. A tensioning operation can be interrupted or restarted at any time. In the tensioning process, the indicator light displays green. After reaching the desired tension, do not press the switch knob to avoid the risk of breaking the straps.

**NOTE: Press tensioning button all the time until the indicator light displays purple; tightening protection doesn't affect the next step.**



## **6. WELDING**

When you press the welding button, the hands leave immediately. The plastic strap is welded, and the redundant straps are cut off.

The welding is not completed until the light flashes purple three times and then turns blue.



## **7. REMOVE STRAPPING TOOL**

Lift the handle and loosen the straps; pull the machine to the right side and away from the straps.



## **8. ADHESION CONTROL**

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

### **Correct adhesion:**



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.

### **Welding time is too short:**



The entire width is not welded, and the adhesion is insufficient.

**⚠ WARNING!** Straps with insufficient welding must be removed. Adjust the welding time.

### **Welding time is too long:**



If the welding time is too long, straps are overheated, and molten plastic overflow on two sides. The adhesion effect is affected.

**⚠ WARNING!** Straps with inadequate adhesive strength must be removed. Adjust the welding time.



## **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 (Recommended to use with U.S. SOLID PET strapping, you can search for polyester PET strapping roll in our store). If you use PP straps, please replace them with another spring we have prepared for you. Please check the product details page for related installation videos or contact our customer service staff.**
- 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 (LED 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:

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