

# Instruction Manual

JK-5

## IMPORTANT

- Read carefully and understand SAFETY INSTRUCTIONS before operating this strapping machine.
- Keep this Instruction Manual in a convenient location for use at any time.

Distributed By:

**Allstrap**

1719 Kenny Rd  
Columbus, OH, 43212

**StrapPack®**

CONTENT

<b>PREFASE</b>	<b>1</b>
<b>FOR SAFE OPERATION</b>	<b>2</b>
<b>SAFETY ALERT LABEL</b>	<b>2</b>
<b>INSTALLATION</b>	<b>3</b>
<b>CAUTION ON PLUG</b>	<b>4</b>
<b>INTERNAL ADJUSTMENT DIALS AND FUSE</b>	<b>6</b>
<b>SETTING STRAP COIL</b>	<b>7</b>

**PREFASE**

Thank you very much for your purchase of a Strapack STRAPPING MACHINE. We are prepared to offer extensive after-sales service for our products through our distribution network. To effectively use the strapping machine, daily maintenance and proper handling are important. You are requested to have a complete understanding of this Instruction Manual for proper use and maintenance of the machine over a long period of time.


Also, please carefully ready the separate leaflet "Check that Seal!", to prevent any accidents during operation.




## FOR SAFE OPERATION

This Instruction Manual has been prepared to provide you with important operation, maintenance and safety information relating to your machine.

It is essential that you carefully read "For Safe Operation" and understand it before you attempt to operate your machine.






Safety Alert Symbol  is used as a Safety Alert Mark. Carefully read and follow the remarks and instructions with this symbol.

Safety Alert Mark  in this manual is defined as follows.

 DANGER	Personal danger: DANGER indicates a potentially hazardous situation which, if not avoided, could result in death.
 WARNING	Personal danger: WARNING indicates a potentially hazardous situation which, if not avoided, could result in serious injury.
 CAUTION	Possible damage to equipment: CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

## SAFETY ALERT LABEL

The alert labels shown below are affixed to the machine. The positions and contents of these labels are defined as follows. Carefully read and understand this Instruction Manual and follow the instructions accompanying alert labels. If they are exposed or illegible, you are required to replace them.

	<b>DANGER from Electric Parts</b> Hazardous voltage can cause electric shock. Turn off power select switch before repairing or adjusting. Do not touch Control Box, Main Transformer or Heater Transformer while power is on. Do not touch exposed Power Supply Cord.
	<b>WARNING</b> High temperature (about 400°C) of Heater can burn. Do not touch Heater. After turning off Power Select Switch, it will be necessary to avoid heater until it has sufficiently cooled down.
	<b>General CAUTION</b> Carefully read and understand Manual. Before repairing or adjusting, be sure to turning off Power Select Switch and disconnect Power Supply Cord. Follow instruction with the alert label.
	<b>WARNING to Arch Unit</b> Do not put head, hand and any part of body into arch. Running strap can cause injury.
	<b>WARNING To Belts</b> Moving belts can cause injury. Keep hands away from moving belt. Turn off power before servicing.

## **INSTALLATION**

### **⚠ WARNING**

- Never arrange Power Supply Cord on the ground where conveyors, such as a forklift or trolley will pass. An exposed or breaking cord can cause electric shock.
- Do not place Power Supply Cord near the strapping, the coil of strap or Reel unit. Fast moving strap and rotating Reel can expose or break the cord. An exposed or cracking cord can cause electric shock. Replace it immediately.
- Never connect or disconnect the plug with wet hands. It can cause electric shock.
- Take care when dealing with strap. Strap can cause injury.
- Before moving the machine, be sure to turn off Power Select Switch and disconnect Power Supply Cord. Then, move by pushing. When machine is moving by pulling, legs will be caught in the bottom of machine.
- Lock the casters unless the machine is being moved.
- Do not modify the machine. Modifications lead to machine malfunctions and may cause injury.
- Be sure that ground is properly connected.
- Be sure that the outlet you are inserting the Power Supply Cord into is connected to Electric Leakage Breaker.

### **⚠ CAUTION**

- Do not use the machine in a place where water and oil might splash. Electric wiring are connected inside machine. Water or oil can cause electric shock and malfunction.
- Use only the specified Power Supply Cord.
- Do not pull the Power Supply Cord to move machine. It will expose or break the cord.
- When the machine is not in use and/or moves, remove the power cord plug from the outlet and tie up the cord.
- Do not operate machine in any way that is not specified in this manual.

**⚠ DANGER**

- Before repairing, inspecting or cleaning, turn off Power Select Switch and disconnect Power Supply Cord.

**⚠ WARNING**

- Do not operate switches on the operation panel while you are putting your hand, head inside of Arch. The machine operates very fast and can cause serious injuries or burns.
- Do not operate switches on the operation panel while you are holding a Reel of part of your body or wear is touching it. The machine operates very fast and can cause serious injuries or burns.
- Do not open Upper Tables while machine is operating. Rotating parts in machine can cause injury.
- Do not touch the drive parts in the Sealing Unit while machine is operating. They can cause injury.
- Do not touch Hot Heater while machine is operating. High temperature (about 400°C) of Heater can burn.
- Do not touch Hot Heater until it cools down completely.
- Do not put your hand, finger and any body part into a loop of strap while machine is operating. Running strap can cause injury.
- Do not hold strap by hand while machine is operating and reversing. Running strap can cause injury.
- Do not remove the Safety Cover and Panel while machine is operating.
- Do not touch rotating parts in machine. They can cause injury.
- Do not put your hands or fingers into the machine from the bottom. The transformer produces very high voltage, and can cause serious electrical shocks. Also, contact with any of the rotating parts might cause serious injuries.

**CAUTION on PLUG**

Connect the Earth wire when the machine was moved to another place. Then, thread the strap.

Operation Panel

1. Front Panel

① Power Select Switch (POWER)

This Power Select Switch turns ON and OFF of Power supply. When the Power Select Switch is turned on, Indicator Lamp A flashes. After 45 seconds passes, heater element reaches operating temperature and Lamp A turns from flashing to firm light.

② Reset Switch (RESET)

By pushing this Reset Switch, Sealing Unit returns to its Home position. Also, this switch is used for threading strap (Page 7).

③ Seal Prolongation Dial (SEAL TIME)

Sealing Time could be adjusted with this Seal Prolongation Dial. When a poor sealing is found, turn the dial slightly clockwise.

④ Tension Dial (TENSION)

Strap tension is controlled with this Tension Dial. By turning clockwise, Tension goes higher. Tension strength differs by the setting of VR4. (Page 6)

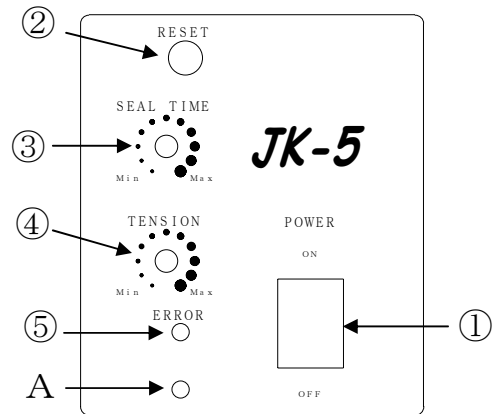
⑤ Error Indicator Lamp (ERROR)

Error Indicator Lamp lights : Motor overload and/or malfunction of Sealing Unit Movement.

Remove the cause and turn the Power Select switch ① again.

Error Indicator Lamp flashes: Insufficient strap forwarding

Remove the cause and thread the strap again. (Page 7)



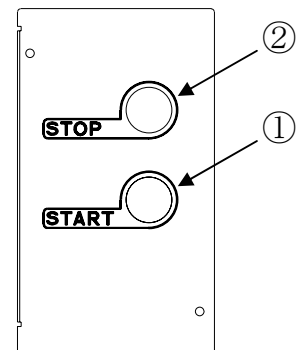
2. Operation Panel

① Start Switch (START)

This push button initiates the strapping cycle. One cycle is begun each time the Start Switch is pressed.

② Stop Switch (STOP)

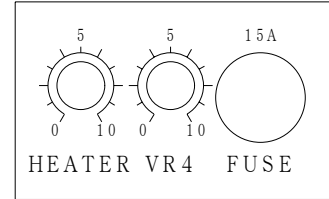
Use the Stop Switch to stop the strapping operation even during cycle. To bring the Home Position, remove the cause of problem and push the Reset Switch (1-②). Push the stop switch when threading strap and the machine is not in use. To resume operation, release lock of the Stop Switch



**ATTENTION! Your engineer should follow the instruction of this page.**

**INTERNAL ADJUSTMENT DIALS and FUSE**

Heater Dial, Seal Prolongation Dial and Fuse are equipped inside of Machine.



**1. Heater (HEATER)**

JK-5 applies the HEAT SEAL process to seal PP straps. Check the Sealed section occasionally as Seal Efficiency is affected with the Heater Temperature.

	<b>CAUTION</b> Turn of the Power and disconnect power supply during the adjustment or repair.
	<b>WARNING</b> Check the Sealing Check Card occasionally, and adjust at the appropriate Heater Temperature.

**【Heater Adjustment Dial】**

The Heater Temperature should be adjusted according to the climate, the area and place of installation of the machine.

In a place where high temperature is necessary, turning the dial counterclockwise raises the temperature. In a place where low temperature is needed turning the dial counterclockwise will lower the temperature.

**【Adjustment according to the individual strap quality】**

The temperature of the machine is already adjusted to the temperature of PP strap. It may be too high in the case of Thin strap and/or Formed strap.

Read the separate sheet "CHECK THAT SEAL!" carefully to adjust the Heater Temperature to the proper one.

**【Tension Mode (VR4)】**

VR4 is to change the range of Tension Stroke.

- 0 – 2 : 0 – 75 mm Tension Stroke
- 2 – 8 : 0 – 150 mm Tension Stroke
- 8 – 10 : 0 – 300 mm Tension Stroke

**2. Fuse (FUSE)**

Fuse could be removed by turning the Fuse Holder counterclockwise. During the replacement of the Fuse, turn the Power Select Switch OFF and disconnect the Power supply.

Fuse	Type	Capacity
Midget Fuse	φ 6.4×30	250V 15A

### Setting Strap Coil

Place a strap coil (as it is secured with plastic strings).

1. Turn the Reel Nut Handle clockwise and remove Reel Out Circular.
2. Place a strap coil according to the direction of the arrow (counterclockwise). Set the Reel Out Circular.
3. Tighten the Reel Nut Handle.
4. Cut plastic strings on coil.

### Threading Strap

**⚠ CAUTION:** Push the Stop Switch and turn off Power Select Switch before Threading Strap.

1. Open the Door of Back Pool Box.
2. Thread strap through the hole of Reel Brake Arm ① from below.
3. Thread strap into Square hole ② of body base and push strap until it hits Feed Roller.
4. Close the Door of Back Pool Box.
5. Connect Power supply Plug.
6. Turn Power Select Switch of Front Panel ON.
7. Release Stop Switch and press Reset Switch. Then, machine starts. Strap will be filled into the Arch track and sealing unit stops at its Home Position. It is ready for the strapping operation.

