



# SUPER BOWL

## INSTRUCTION MANUAL



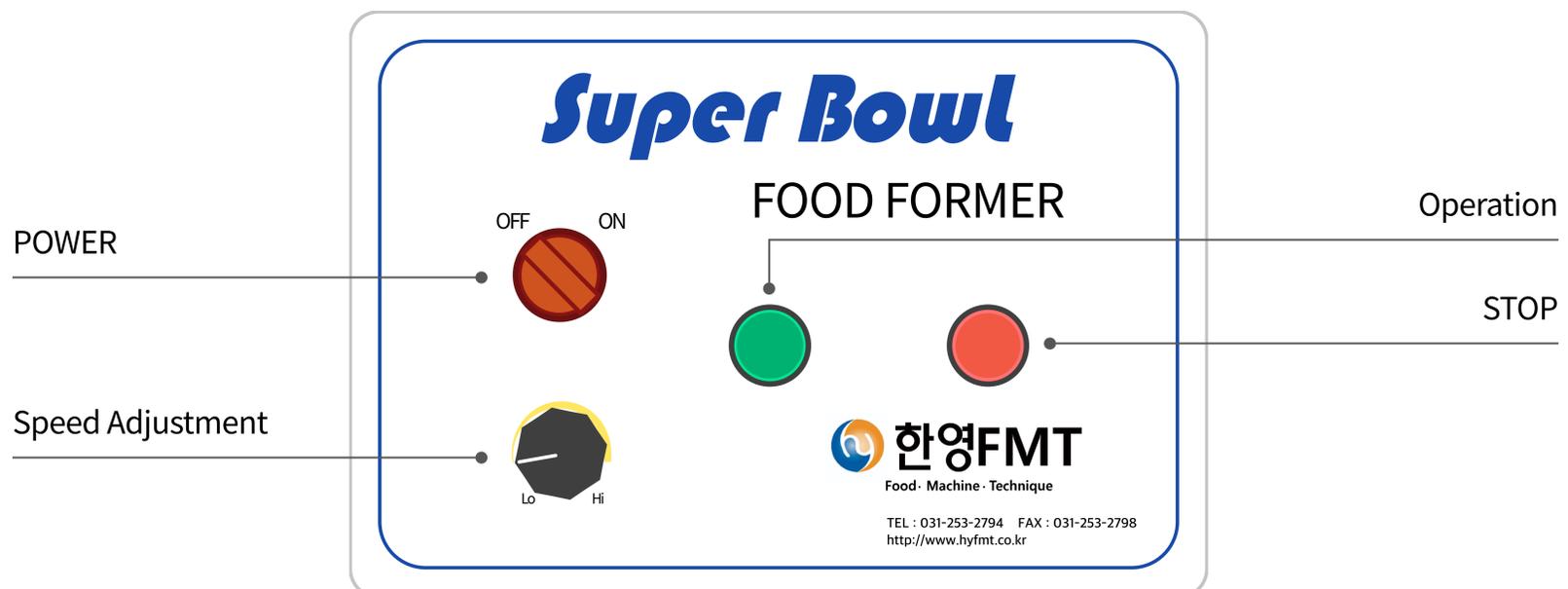
Product	Food Former
Model Name	Super Bowl
Manufacturer	Han Young FMT Co.
Country of Origin	Korea (Republic of)

## About the product

### ○ Specification

Specificaiton	
Product Size	W730 X L900 X H900 X (mm)
Consumption Electricity	220V 60Hz 3.5A 450W
Motor	Φ1 220V 750w (SEW-EURODRIVE)
Hopper Capacity	40ℓ
Maximum Product Weight	250g
Mold Size (Customizable)	Single Mold : 120 X 120 X (H)24 (mm) / Multi Mold : 50 X 50 X (H)24 (mm)
Forming Capacity	2160pcs/h (When installing 1 hole drum)
Conveyor Size	510 * 160mm
Net Weight	70kg

### ○ Handling Of Control Box



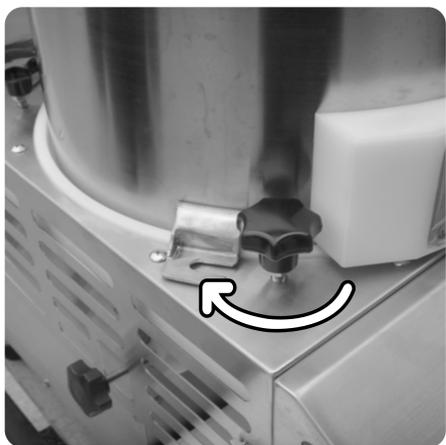
1. Turn on the Power Switch.
2. Set adequate forming speed.  
(Speed adjustment is possible even in operation.)
3. Press the Operation Switch for Start.
4. Press the Stop Switch for operation.

## Product Dismantlement Method

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Loosen the Knobs pointed by the arrows to a half degree.  
(There are 4 Knobs in all)



After confirming the direction the Hopper Loop is dismantled, turn the Hopper clockwise and lift it to separate.

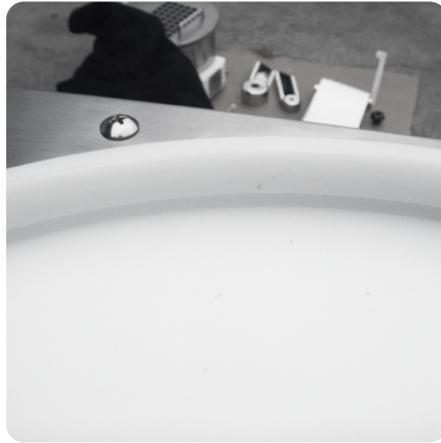


After loosening the Nut of a Knob on the top, pull the upper and lower paddles in the arrow direction to separate, as shown by picture.

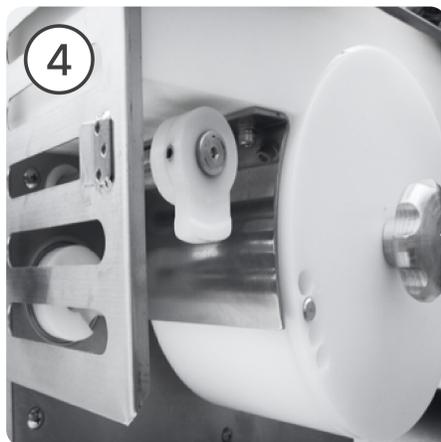
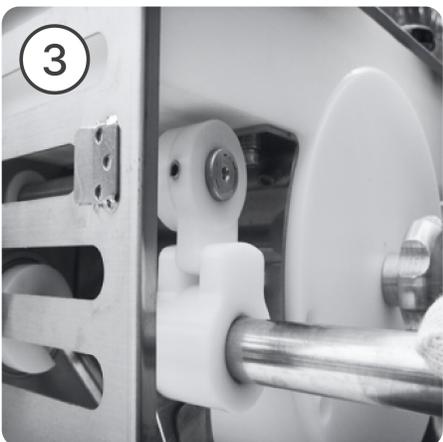


## Product Dismantlement Method

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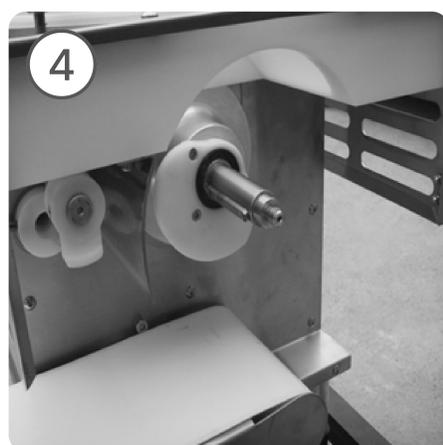
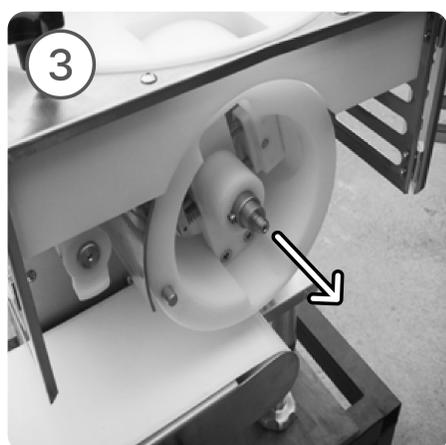
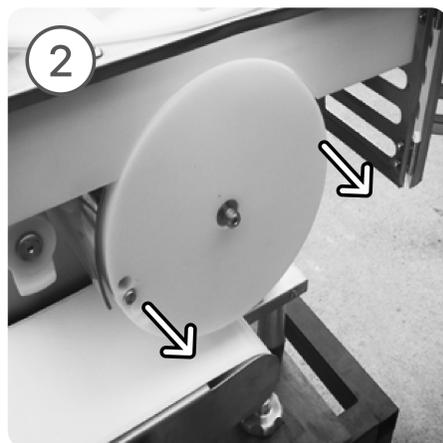
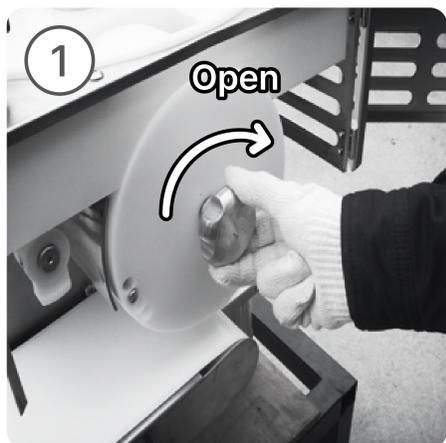
Separate the Silicon Packing after separating the Hopper.



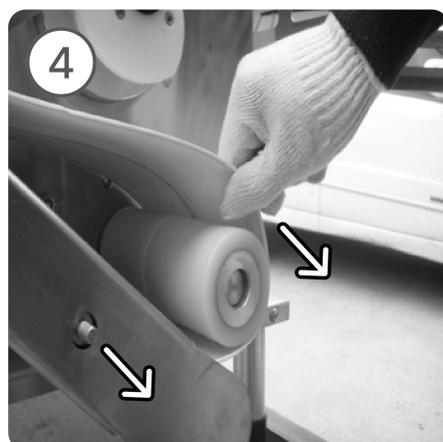
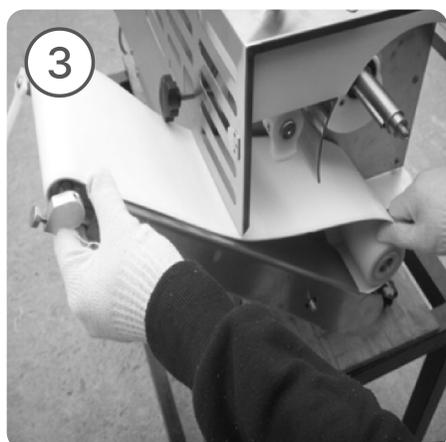
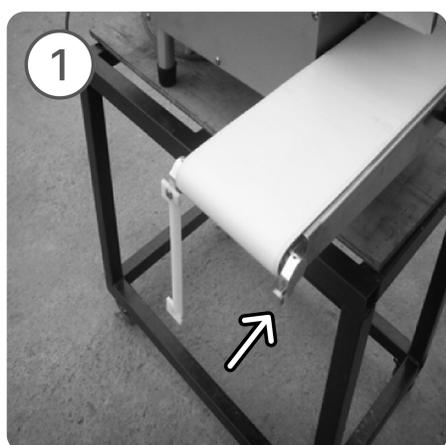
1. Open the Clamp attached to a Cover.
2. Loosen the Bolt of a Knob slightly.
3. Hold the Scrap-removing device and pull it in the arrow direction.
4. Separation is completed, as shown by picture.  
(Only when arrow-point part comes out as shown by picture, the separation is possible.)

## Product Dismantlement Method

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1. Loosen the bolt of a Knob by turning clockwise.  
(Opening or loosening direction is the opposite of general nut, as it is left nut.)
2. Separate Drum Cover.  
(It is separated when you hold it with both hands and pull it in the arrow direction.)
3. Separate Drum Body by pulling in the arrow direction.
4. Dismantlement is completed, as shown by picture.



1. Loosen a bolt at front of conveyor with a hand and pull out the scrap-removing plate as shown by picture.
2. Turn a knob attached to the side of conveyor frame so as to separate it.
3. Tilt the conveyor frame, as shown by picture.
4. Hold the conveyor belt and pull it in the arrow direction to separate, as shown by picture.

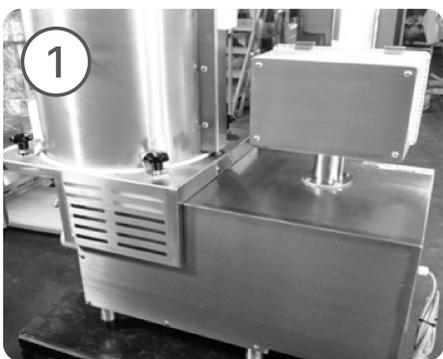
### ○ List

1. In case machine is unable to operate although the operation button is pressed and the power switch is on. p. 6
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6. In case the thickness of product to be formed is required to be adjusted. p. 13
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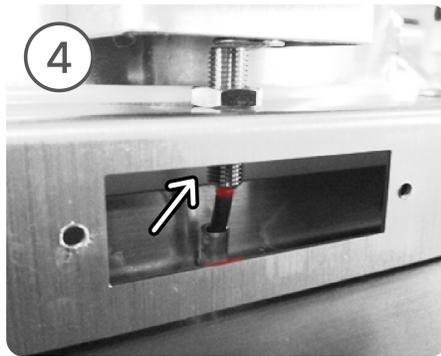
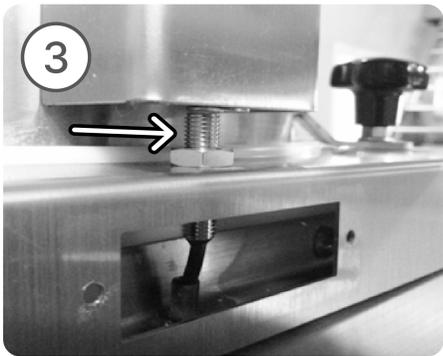
## Self-maintenance Instruction

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1. In case machine is unable to operate although the operation button is pressed and the power switch is on.
  - This happens because of the separation distance of stop sensor which works at the time the door opens. Change of sensor position enables normal operation.



Open by a driver the small cover located on the rear of machine and down a hopper. Then loosen nut to adjust sensor position as shown by picture (3).



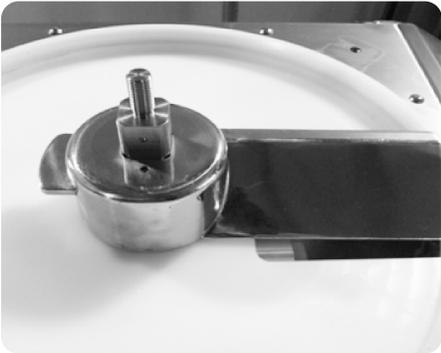
As shown by picture (4), when the red light is on the sensor, the normal operation begins. Tighten nut loosened in order to fasten the sensor and then close the cover.

## Self-maintenance Instruction

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2. In case the front part of formed product is empty or less filled.

- This happens when the standard point of paddle does not match the standard point of fixed spindle. Assembly should be made in such a way that they are aligned with each other.



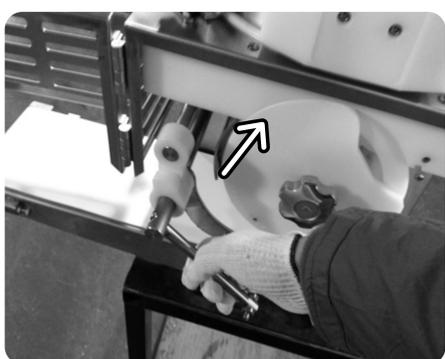
As shown by picture, when the paddle inside the hopper is disassembled, the fixed spindle appears. Confirm that the rectangle fixed spindle has the standard face with a small point.

For normal operation, the assembling should be made in such a way that the standard face of upper and lower paddles is aligned with the standard face of fixed spindle.

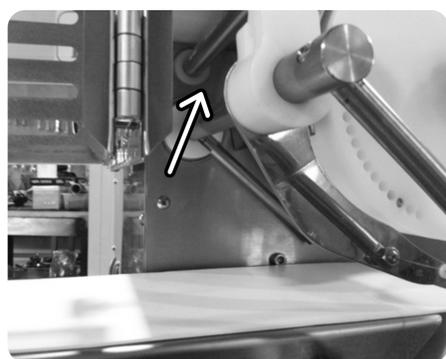
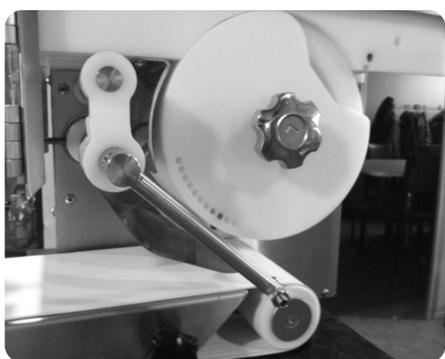
## Self-maintenance Instruction

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3. In case the shape of formed product is not normal after cutting process although dough (paste) comes out of tightly filled shaping- drum.
- As a phenomenon occurring during the process when the dough is cut by a wire scraper, it is possible to solve the problem by simple self-maintenance.



It is the most often occurring phenomenon. This happens when the wire cannot reach the shaping drum due to the separation distance of wire cutting device caused at the time of assembly. As shown by picture, while raising the wire cutting device in the arrow direction by one hand, lock the handle on the left to fasten the wire cutting device, thus making normal production possible.

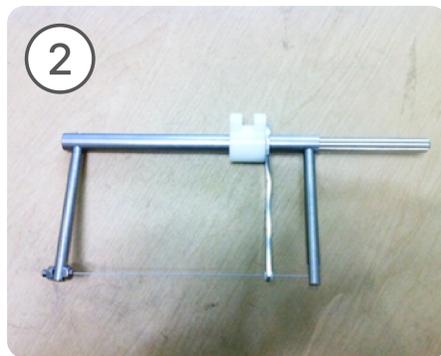
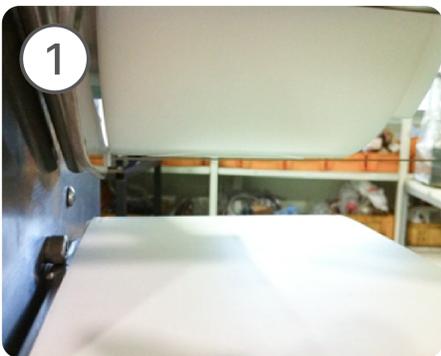


The 2nd method to solve this phenomenon; in case the wire cutting device is not assembled exactly. Confirm whether the wire cutting device is exactly installed at the grooved area pointed by the arrow and then conduct the assembling.

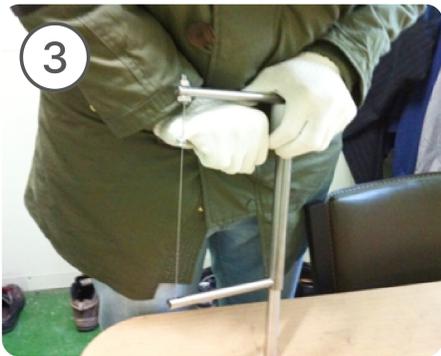
## Self-maintenance Instruction

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3. In case the shape of formed product is not normal after cutting process although dough (paste) comes out of tightly filled shaping- drum.
- As a phenomenon occurring during the process when the dough is cut by a wire scraper, it is possible to solve the problem by simple self-maintenance.



The 3rd method to solve this phenomenon; in case the formed product is not normally cut because the bracket of wire cutting device has been bent by outside shock and so it touches the shaping drum as shown by picture (1).

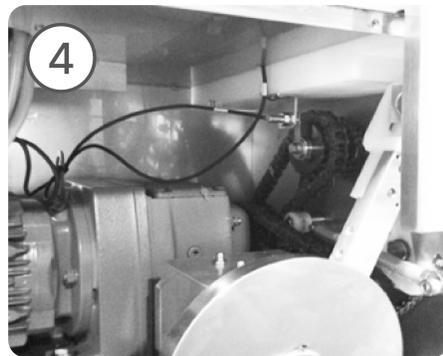
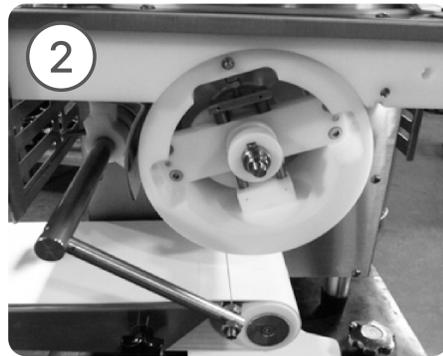
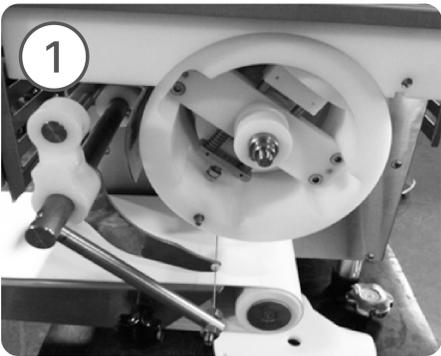


As shown by the picture (3), hold the wire cutting device to press the bracket firmly and conduct the assembling while checking the distance from the drum.

## Self-maintenance Instruction

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4. In case it is difficult to pull out the drum since the drum is not placed on right position.
- When grease stains a right-position control sensor and a bracket inside front cover, it is possible to solve the problem by simple self-maintenance after opening the front cover.



Picture (1) shows that drum stopped at normal position, and picture (2) shows that it stopped at wrong position.

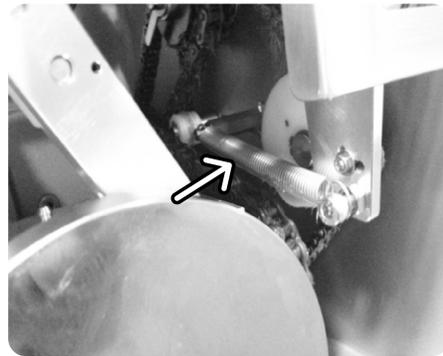
In case the drum stopped at the wrong position shown by picture (2), it is difficult to disassemble and assemble the drum. So, open the front cover to remove the grease on the sensor and the bracket (pointed by the arrow) inside the front cover and then run the machine to confirm whether the drum stops at the right position. Then, close the cover.

## Self-maintenance Instruction

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5. In case a wire cutting device is not operated.

- Confirm whether the wire cam spring inside front cover is damaged, and if it is found to be damaged, it is possible to solve the problem by self-maintenance.



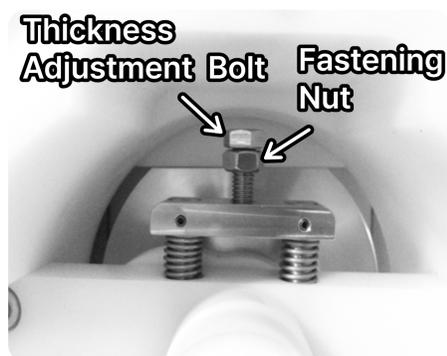
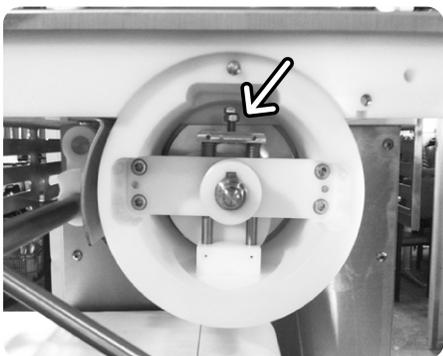
As shown by picture, open front cover to confirm whether the spring pointed by the arrow is damaged or placed on the right position. If it is found to be damaged, replace it with spare spring attached to tool box. And make sure that it works normally.

## Self-maintenance Instruction

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6. In case the thickness of shaping drum (mold) is required to be adjusted.

- It is possible to simply adjust the thickness by handling the thickness- adjustment bolt after opening drum cover.



As shown by picture, open drum cover to see the thickness-adjustment bolt pointed by the arrow.

Tighten bolt pointed by the arrow to increase the thickness of product, and loosen it to increase the thickness of product.

Adjust the bolt for the thickness required.

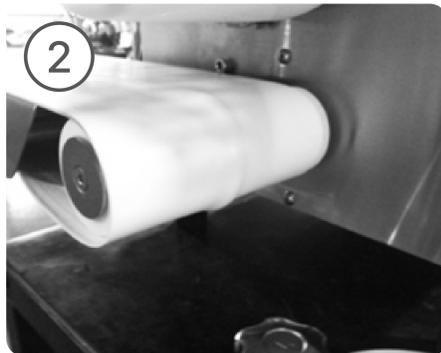
Make sure to fasten the bolt by tightening a fastening nut.

## Self-maintenance Instruction

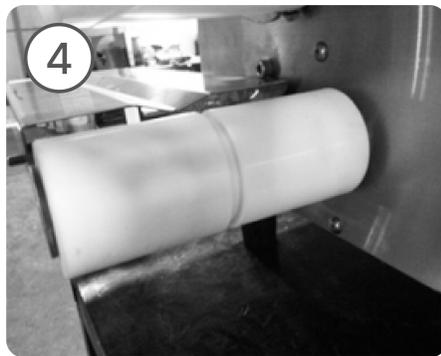
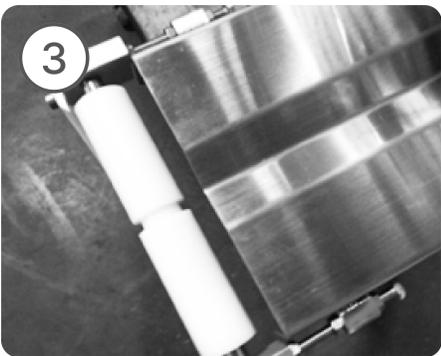
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7. In case conveyor belt moves from side to side without being fastened.

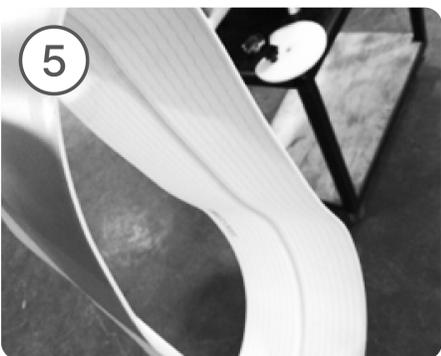
- The durability of belt can be rapidly weakened in case conveyor belt is wrongly assembled.



Each of pictures (1) and (2) shows the phenomenon occurring when the belt was not rightly installed.



Each of pictures (3) and (4) shows the groove where the guide belt inside belt is to be fastened.



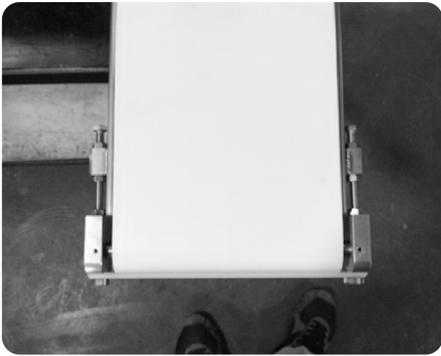
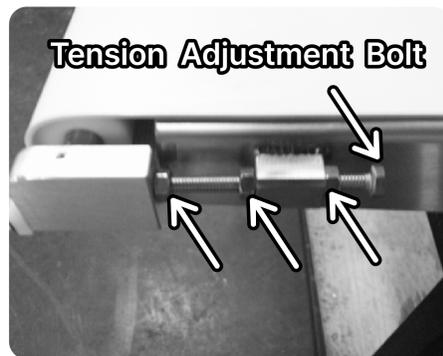
Picture (5) shows the conveyor belt. You can see that a guide belt is attached to the center of the inside. Each of pictures (6) and (7) shows that the belt is rightly installed in front roller and rear roller of conveyor.



Picture shows that the guide belt is rightly inserted in each groove. Picture (8) shows the normal status after assembly.

7. In case conveyor belt moves from side to side without being fastened.

- The durability of belt can be rapidly weakened in case conveyor belt is wrongly assembled.



In case the right and the left tensions do not match, the belt leans to one side.

This leaning rapidly weakens the durability of belt, so there is need to correct leaning

by taking the right measure.

Two tension-adjustment devices are installed in the front side of conveyor frame.

Loosen all three nuts and adjust belt tension by adjusting the tension-adjustment bolt.

Important thing is that tensions on both sides should be the same to prevent the leaning phenomenon of belt.

Adjust the tensions while measuring by a scale the length of each of tension bolts on the right and the left.

● **Product warranty and limitation of liability.**

1. We guarantee that free after service is to be provided for twelve(12) months from delivery date in case that a product failure occurs while the consumer uses product normally.

2. When the product is broken or damaged due to user's carelessness, repair will be conducted at the cost of user, even though it is within the warranty period.

● **We cannot guarantee the quality of product**

when the following contents apply.

1. In case the product is failed or its performance is downgraded

due to consumer's carelessness in the course of handling or transportation.

2. In case the product is failed or its performance is downgraded because other persons than manufacturer's or seller's employees repaired or modified the product randomly.

3. In case the product is failed or defected due to natural disaster that is beyond our control.

● **Check the following points when product does not work.**

1. Check if power code is connected properly.

2. Check if the ON / OFF Switch is lighted.

3. Check if Speed Adjustment Device is set at lowest speed.

4. Hopper is properly installed. (whether the sensor works)



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