



# ASTRA Inc.



Manual Videos



## Electric Peeler KA-720/730/750

### *Peel-a-ton*

For large fruits and vegetables  
Fast, clean removal of peels

## Operation Manual

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### Remarks

- Thank you very much for purchasing KA-720/730/750.
- To ensure safe and correct operation of this unit, please read and understand the contents of this manual before use.
- After reading this manual, keep it in a safe and accessible place for other users of the unit.
- In order to improve the performance of this product, the specifications of the product may be modified without prior notification.

# 1. Introduction

- This unit is specifically designed to peel large sized round and oval fruits and vegetables.
- Improper use of the unit may result in a breakdown or an accident.
- Before using the unit, read this manual carefully, and pay careful attention to inspection and maintenance and also safety.

## 2. Safety Precautions

- Please read these instructions carefully before operating the peeler, and be sure to operate it correctly.
- Important safety items are set out on the following pages, so be sure and follow them.
- The following expressions are used in this manual:



### Warning!

This expression indicates a situation in which death or injury may result from improper use of equipment.



### Caution!

This expression indicates a situation in which injury and/or material damage\* may occur due to improper use of the equipment.

\* Material damage may refer to any or all of the following: house and property, home furnishings, domestic animals and pets.



### Warning!

- 1) This unit may only be operated by someone who has read and understood this operating manual, and who can assume full responsibility for the safety of those nearby.



Failure to do so may result in an accident or injury.

- 2) Use common sense. Do not operate the unit when fatigued, ill or physically impaired.



Failure to do so may result in an accident or injury.

- 3) Do not operate the unit in a poorly lit (dark) or cluttered workspace.



An injury may result.

- 4) Do not operate this unit while under the influence of alcohol, medication or any other substance that might impair judgment and motor skills.



An injury may result.

- 5) Wear proper work clothes when operating this unit.



Do not wear baggy or loose clothing, gloves, a necklace or other accessories because these items can become entangled in moving parts of the unit, resulting in possible injury.

A person with long hair must wear a hat or hair net when operating this equipment.



## Warning!

6) Do not allow children near this unit. Do not allow children to operate this unit.

⋮  
● → An accident may result.

7) Do not disassemble or attempt to repair or modify this unit.

⋮  
● → An accident may result.

8) If you detect anything unusual in the operation of the unit, do not continue to use it.

⋮  
● → An accident may result. Immediately have the machine inspected and repaired.

9) Always operate the unit on a level, stable surface.

⋮  
● → Operating the unit on an unstable surface may result in a breakdown or injury.

10) Never move the unit while it is in operation.

⋮  
● → Always turn the power button “off” and unplug the power cord before relocating the unit. Failure to do this may result in a breakdown or injury.

11) Never allow water to contact the base of the unit.

⋮  
● → The base of the unit is NOT water resistant. Contact with water may result in an electric shock, fire or breakdown.

12) Use ample care when touching the base of the unit.

⋮  
● → Do not touch parts of the unit where there are protruding screws. This may result in an injury.

13) Never touch any part (arm, holding prong) while the unit is in operation.

⋮  
● → Always confirm that the unit is completely powered off before touching any part of it. Failure to do so may result in injury.

14) Handle the holding prong with adequate care.

⋮  
● → Never touch the mounting prong while the peeler is in operation. Turn the main switch to “OFF” before touching the prong. Failure to do so may result in serious injury.

⋮  
● → The prong is very sharp. Use care when setting or replacing it. Failure to exercise care may result in serious injury.

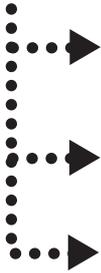
⋮  
● → When fixing the prong to the shaft, be sure to follow the instructions in this manual. Failure to do so may result in injury and/or damage to the unit.

⋮  
● → Always inspect the mounting prong before, during, and after using the unit, and ensure that it is not broken or missing. If the prong or a part of it is found to be missing, all of the peeled fruit must be inspected, or thrown out. If the prong is damaged in any way, do not use it. Replace it.



## Warning!

### 15) Use adequate caution when attaching and operating the peeler blade.



Never touch the peeling blade while the unit is operating. Always turn the switch to “OFF” before handling the peeling blade. Failure to do so may result in serious injury.

The peeling blade is extremely sharp. Use adequate care when replacing it. Failure to do so may result in injury.

Always inspect the peeling blade before, during and after using the equipment to ensure that it is not broken. If the blade is found to be broken, all peeled fruit must be inspected, or thrown out. If the peeling blade is damaged in any way, do not use it. Replace it.



## Caution!

### 1) Run this unit from a stable source of power.



Operating the unit from a power source of other than the intended voltage, or using it near a different voltage source or a source of electrical noise, may result in injury or damage to the unit.

### 2) Handle the power cord with care.



Do not unplug the power cord using unreasonable force, damage it, shape it, bend it with unreasonable force, or bunch it. Keep the cord away from a source of heat or oil, and do not place anything heavy on it. Any of the above can result in an electrical shock, fire, or damage to the unit.

### 3) Take care when plugging or unplugging the power cord.



Never plug or unplug the power cord with wet hands. Before plugging or unplugging the power cord, make sure that the power is switched “OFF.” Always unplug the power cord by pulling the plug, not the cord. Failure to do so may result in an electrical shock, fire or damage to the equipment.

### 4) Do not place an object on the unit, or lean or stand on it.



Injury or damage may result.

### 5) Upon taking delivery of the unit, check to see that no damage has occurred, and no parts (screws, nuts, etc.) have come loose or separated in transit.



Failure to do so may result in injury or damage to the unit.



## Caution!

6) When storing or operating the unit, observe the following precautions.



**Failure to observe the below precautions may result in damage to the unit.**

1. Temperature and humidity: Store at 0 – 30°C, and relative humidity below 85%.
2. Place the unit on a firm, level floor.
3. Keep away from salt air, flammable or corrosive gases, radiation, high heat or humidity, sulfur smoke, and other pollutants.
4. Keep away from oil and oil smoke.
5. Keep away from mist or moisture.
6. Keep away from direct sunlight.
7. Take steps to prevent the entry of insects, rodents, etc.
8. Install in a well-ventilated indoor location.

## 3. Specifications

Unit	KA-750	KA-720 / 730
Power	AC100V ~ 130V / 200V ~ 240V(50Hz / 60Hz)	Same as on the left
Power consumption	250W	Same as on the left
External Dimensions	W260 mm D500 mm H480 mm	W210mm D380mm H450mm
Total weight	25kg	13kg
External case material	Stainless steel	Same as on the left

● Confirm that the following standard attachments have been provided.

To obtain replacement parts, contact your retailer or ASTRA.

No.	Name	Check
1.	Holding prong x 1	
2.	Insertion pin x 2 (for connection of holding prong, one as a spare)	
3.	Slider x 1	
4.	Arm x 1	
5.	Peeler blade x 1	
6.	Spring x 1 (SP-W)	
7.	Spring holder x 1	
8.	Spring holder clip x 1 (CP-S)	
9.	Ejector x 1	
10.	Knurled screw x 2	
11.	Polishing stone (#3000) x 1	
12.	Power cable x 1 (not included in 720/730)	

\* The combination and shapes of parts (1), (3), (4), (5) and (10) is different depending on the chosen fruit to be peeled.

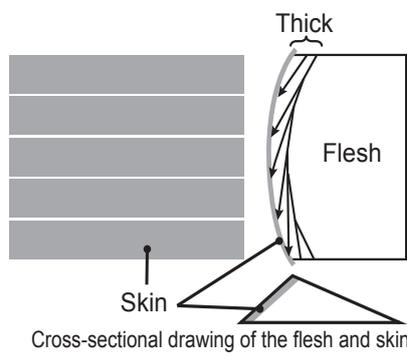
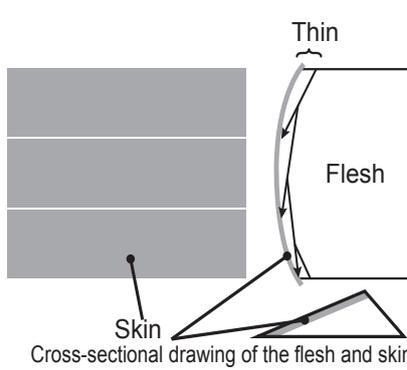
For the sets including one-way blade as (5), (11) is not included.

## 4. Names and Functions of Parts

### 1) Control Panel (KA-750)



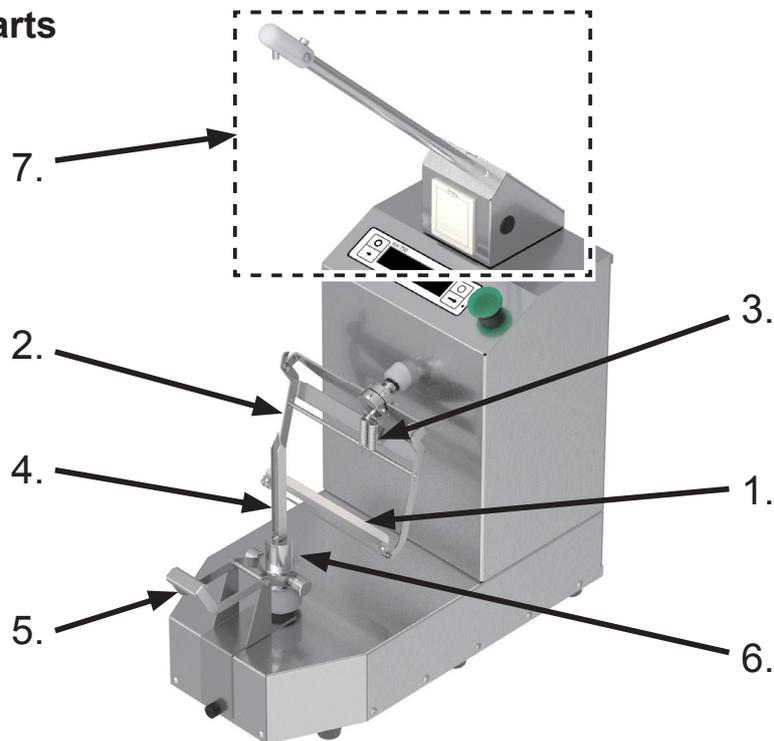
\* KA-720/730 have different control panels, however the display and controls are mostly the same.

No.	Name	Function	Reference page
1.	Start button	Press to start / stop the peeling, and to select your choice from the menu.	☞ Reference pages:9, 10, 18, 19
2.	Peeling thickness adjustment buttons	<p>These buttons adjust the peeling action according to the thickness of the peel. Twelve thickness level is indicated by bars on the display.</p> <p>Press the “” button to reduce the number and increase the peeling thickness.</p> <p>Press the “” button to increase the number and reduce the peeling thickness.</p>	☞ Reference pages:18, 19
		<p><b>Reducing the number</b></p>  <p>This increases the number of overlapping passes of the blade, thereby increasing the amount of skin removal. The result is a smoothly peeled surface.</p>	
		<p><b>Increasing the number</b></p>  <p>This decreases the number of overlapping passes of the blade, thus taking off less skin. The surface of the fruit will therefore have more residual skin and angles, but the yield of fruit will be greater.</p>	
3.	Spin speed adjustment buttons *	<p>These buttons adjust the speed of item rotation with eight levels. (Larger is faster)</p> <p>For smoother surface, slow down the speed and for faster peeling, speed up.</p> <p>The small arrow “” reduces the spin speed; the large arrow “” increases the spin speed.</p>	☞ Reference pages:18, 19

\* KA-720 does not have speed adjustment function.

It has function specialized for pineapple, which adjusts the peeling angle of the edge.

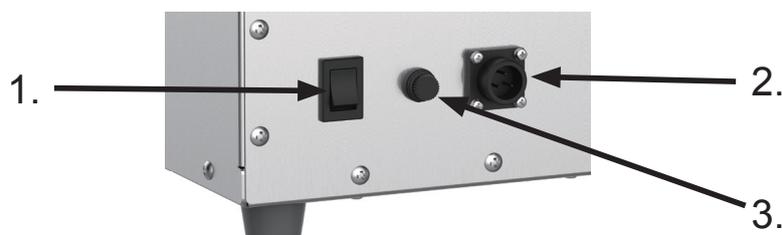
## 2) Mechanical parts (KA-750)



No.	Name	Function	Reference page
1.	Peeler blade (Replaceable part)	Each blade is designed for specific varieties of fruits/vegetables and sizes. Large blade, mainly for pineapple, needs to be polished with the attached stone, and maintain sharpness. Smaller blade, mainly for mangoes, is one-way, which needs to be changed to a new blade periodically.	☞ Reference pages: 13, 14, 16, 17
2.	Arm	This arm holds the peeling blade. Each arm is designed for specific varieties of fruits/vegetables and sizes.	☞ Reference pages: 7, 9, 13, 14, 16
3.	Spring (Replaceable part)	This spring pushes the blade to the fruits/vegetables.	☞ Reference pages: 13, 14
4.	Holding Prong (Replaceable part)	Holding prong holds and fixes the fruits/vegetables to the rotating axis. Each is designed for specific varieties of fruits/vegetables and sizes.	☞ Reference pages: 7, 12, 16
5.	Ejector	After peeling the item, push it up manually to facilitate extraction from the unit.	☞ Reference pages: 9~11
6.	Slider	Interlock the slider with the ejector, then push up the item to facilitate extraction from the unit.	☞ Reference pages: 10~12, 16
7.	Laser liner (Sold separately, only for KA-750)	When fixing the item to the holding prong, apply the laser beam as a guide for centering the holding prong as seen from directly above. (Sold separately)	☞ Reference pages: 8, 10, 15, 16

\* Each parts has its own shapes and combinations depending on the peeled item.  
(5) and (6) are unnecessary when peeling mangoes.

## 3) Back of unit (KA-750)



No.	Name	Function	Reference page
1.	Power switch	Powers the unit on or off.	
2.	Power inlet	Install the power cord provided with the unit. (For 720/730 power plug can't be separated.)	
3.	Fuse	AC125V / 5A, or AC250V / 5A (Time-lag fuse)	

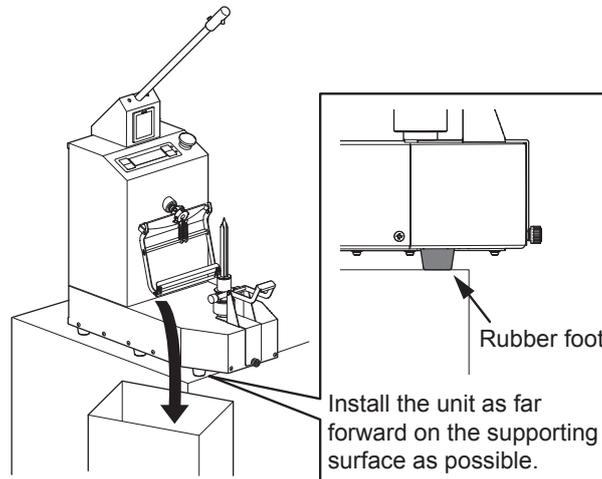
\* (2) and (3) is different depending on the country / area.

## 5. Correct Use of the KA-750H

### 1) Pre-operation preparation

- Install the unit in a well-lit area free of clutter or obstacles.
- When using an extension cord, confirm that the cord is undamaged. Use a 1500W rated extension cord. The cord should be as short as possible.
- Place the machine on a stable, level surface, and place a container below it to collect the peelings (on the left side of the front).

(KA-750)



- Insert the female power plug on the end of the power cord into the inlet on the unit, and then insert the plug on the other end of the power cord into a power outlet. Before doing this, confirm that the power switch is not ON.
- In order to prevent a possible electric shock please connect a ground wire to this unit. Also, the use of a ground fault interrupter is recommended.

### 2) Pre-operation inspection

- Check to see that the holding prong is properly attached. (☞ See page 12)



#### Caution!

**If the prong is not properly fitted to the unit, there is a danger that it will come into contact with the peeler blade, damaging both of these parts.**

- Check that the holding prong is free of damage. If it is bent, or makes a rattling noise, it must be repaired or replaced.
- Check that the peeler blade is free of damage. If the blade is dented or bent, it must be replaced. (☞ See page 14)
- Check to see that the arm is correctly attached. If it is not, the peeler will not function properly. (☞ See pages 13)



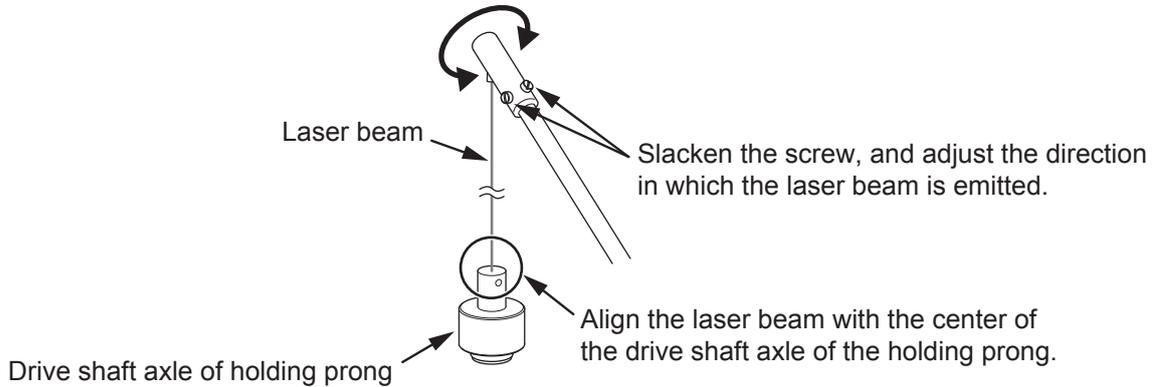
#### Caution!

**If the arm is not attached correctly, it may contact the holding prong, causing damage to these parts.**

- Be sure that the arm is in the correct starting position as shown in the drawing above. If the arm is not in the correct starting position, the peeler will not start when the start button is pressed. Always start the peeler with the arm in the correct starting position. (☞ See pages 12, 13)

### 3) Adjusting the laser liner (For KA-750 only, sold separately)

- Adjust the angle of the laser liner so that the laser beam is in line with the center of the drive shaft axle on which the holding prong is mounted.
- Power of the laser liner is not linked to the unit. Please turn on and off individually.



#### **Caution!**

If the laser beam is not correctly adjusted, it is likely that parts of the item may remain unpeeled or the holding prong will be bent.



#### **Warning!**

Never peer through the light emission port of the laser while it is emitting a laser beam. Failure to do this may result in injury to your eyes or other part of your body.

## 6. How to Operate the KA-750

### 1) Turn the power switch “On.” (☞ See page 6)

- “Astra KA-750” will be displayed on the operation screen, followed by the Settings Menu.
- Pressing and holding down the Start button while the lights are flashing will put the unit in the “Reset” mode. (☞ See page 19)
- The Arm and the pin might move a little after powering on, to test the operation. Please leave your hands and face away from the unit.



### 2) Use the Start/Stop button to choose the settings for the type of item to be peeled. (☞ See page 18)

- The unit will display the Standby mode screen (for selecting peeling thickness & spin speed.)
- If “Arm position wrong – correct” is displayed, return the arm to the correct starting position, and press the Start button again.



### 3) Affix the item to be peeled (fruit or vegetable) to the holding prong.

- Align the center (core) of the item with the tip of the holding prong.
- Affix the item so that it touches the slider.



#### Caution!

**Do not press the Start button when no item is affixed to the holding prong. Otherwise contact will occur between the peeler blade and the prong, damaging both of these parts.**



### 4) Press the Start button.

- Peeling will start. When an item is being peeled, the green lamp flashes and counter will be shown on the screen.
- If the Start button is pressed during peeling, operation will stop.



### 5) Remove the item from the holding prong.

- When peeling is finished, arm will move back to the starting position, and green lamp will light.
- Pull down the ejector lever in order to extract the peeled item.
- Pull up the ejector lever, and extract the peeled item.
- \* For some items (e.g. mangoes), pull the item directly without using the ejector.



#### Caution!

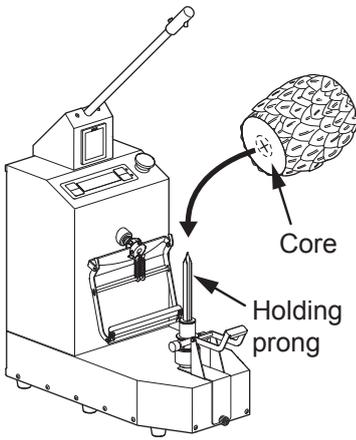
**When extracting a peeled item, pull it up straight without twisting. Otherwise, the holding prong will become twisted.**



### 6) Return to (3) for continuous peeling.

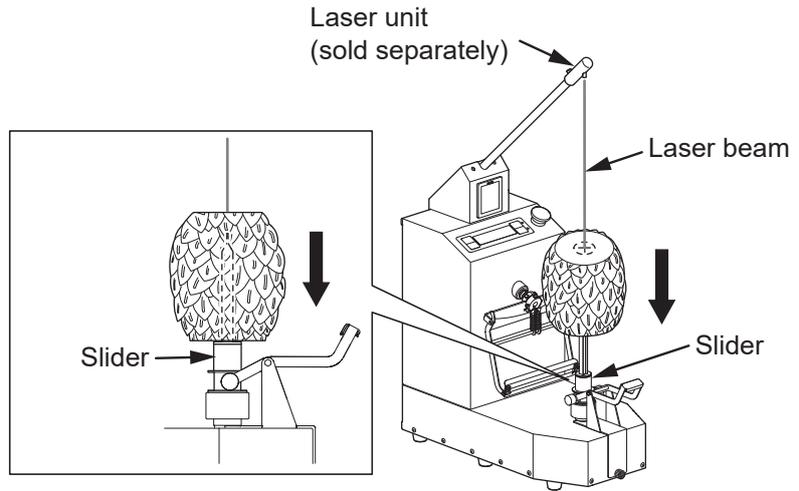
## Peeling Operation Procedures (example for pineapples)

1.



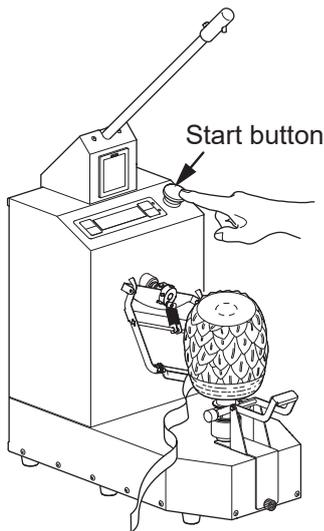
Align the center (core) of the item with the tip of the holding prong.

2.



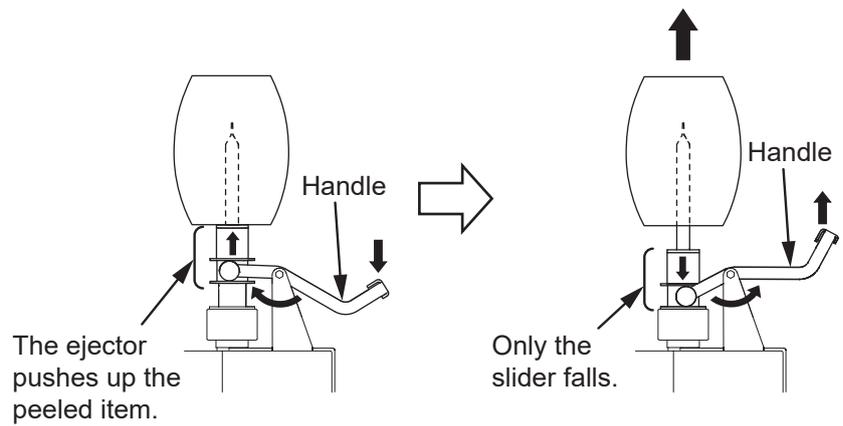
Align the center (core) of the item to the holding pin, and affix the item to the slider.

3.



Press Start button to start peeling.

4.



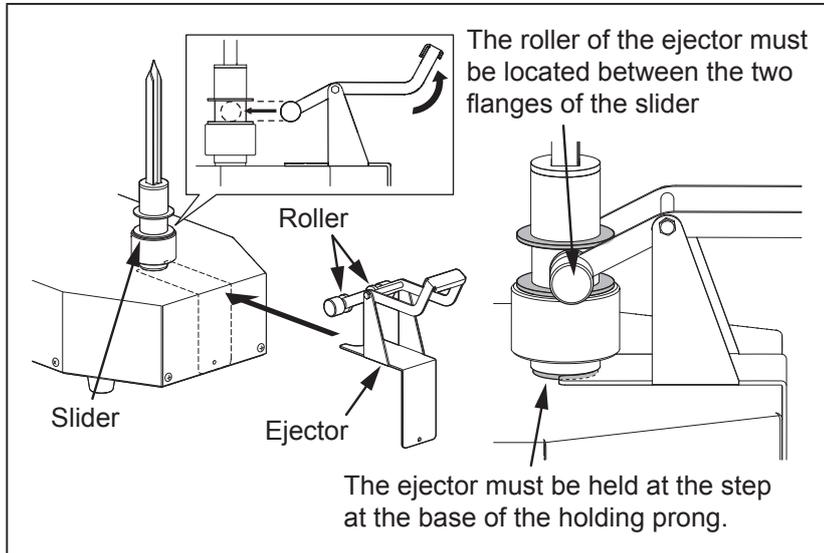
Removing the peeled item.

When you pull down the lever of the ejector, the peeled item will be pushed up.  
→Pull up the ejection lever, and extract the peeled item.

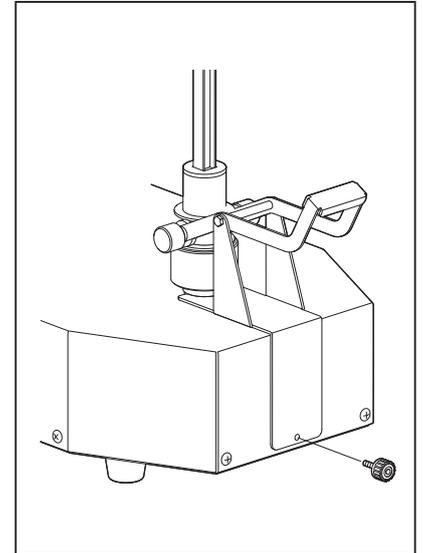
## 7. How to Remove and Attach Parts

### 1) Ejector

- You can remove the ejector and immerse it for washing.
- To affix the ejector, first install the holding prong and the slider.
- \* For soft items e.g. mangoes, Ejector is unnecessary.



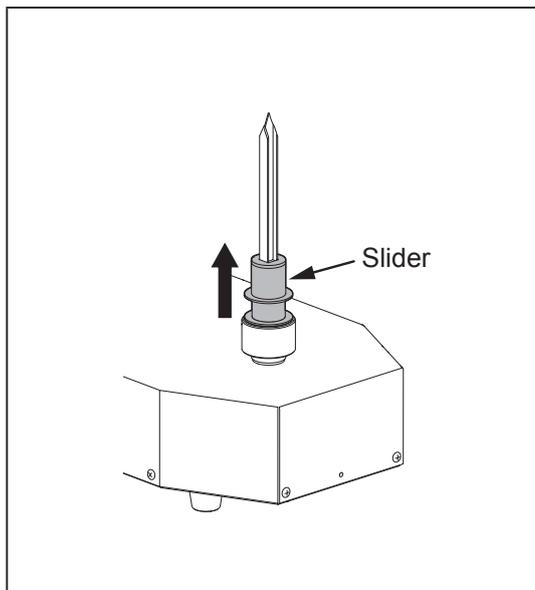
Install the ejector at the bottom of the front of the unit.



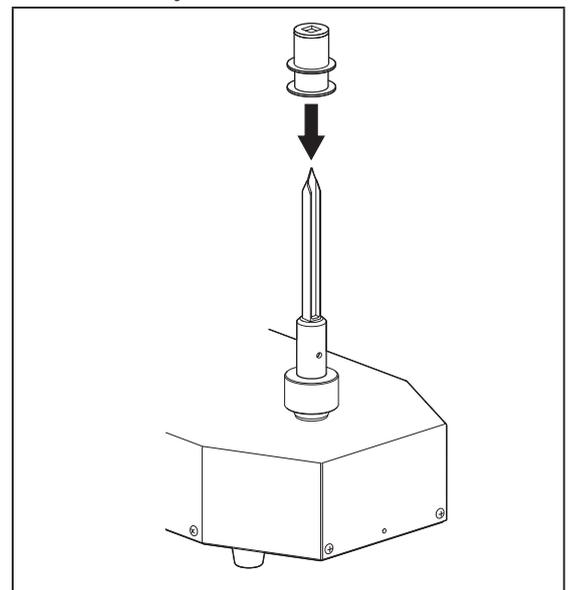
Align the screw holes of the unit, and fix the ejector using the knurled screws provided.

### 2) Slider

- You can remove the slider and immerse it for washing. Remove the ejector first.



Withdraw the slider straight.



When installing the slider, first install the holding prong, and then cover it with the base of the prong.

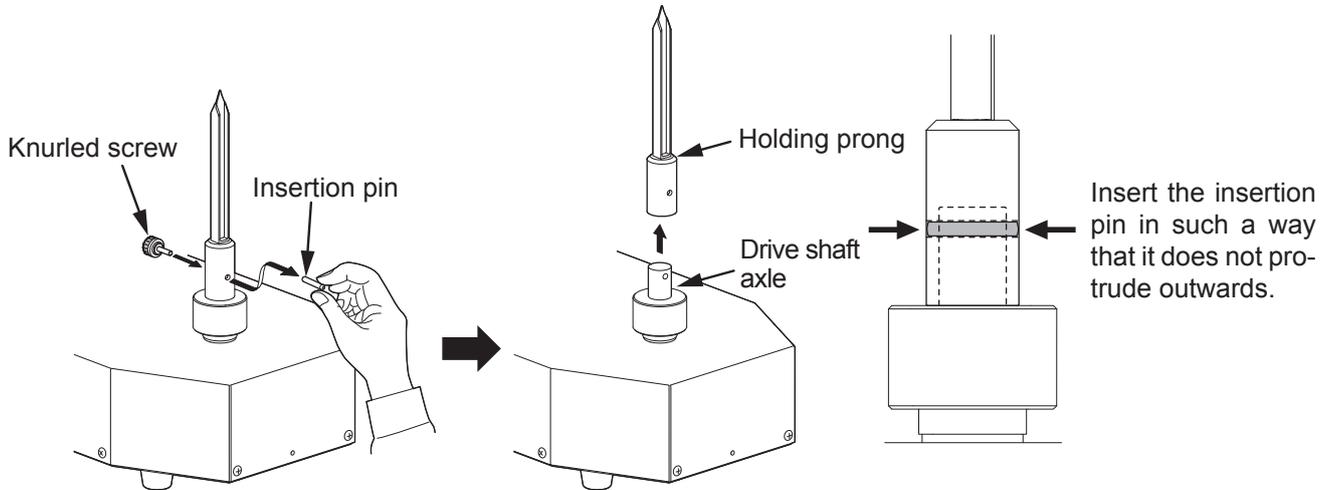


**Warning!**

The holding prongs are extremely sharp. Take adequate precautions to avoid injuring your hands.

### 3) Holding prong

- You can remove the prong and immerse it for washing. First remove the ejector and slider.
- The prong is fixed to the drive shaft axle with a insertion pin. Using the knurled screw, push out and extract the insertion pin, and then extract the holding prong.
- If the insertion pin is left attached for an extended period, it may become stuck due to fruit juice residue.



#### **Warning!**

**The holding prongs are extremely sharp. Take adequate precautions to avoid injuring your hands.**

- To install the holding prong, carry out the reverse procedure to removal.  
Install the holding prong on the drive shaft axle, and then align the hole positions so that the insertion pin can be passed through them. Insert the insertion pin in such a way that neither end is protruding.



#### **Warning!**

**If you carry out a peeling operation without inserting the insertion pin, the holding prong is likely to fly out together with the item being peeled, or may come into contact with the peeler (arm), resulting in possible injury or a failure of the unit.**

## 4) The Arm

- The Arm holds the peeling blade. It can be removed and fully immersed for washing. When removing the arm it is recommended that the holding prong also be removed.

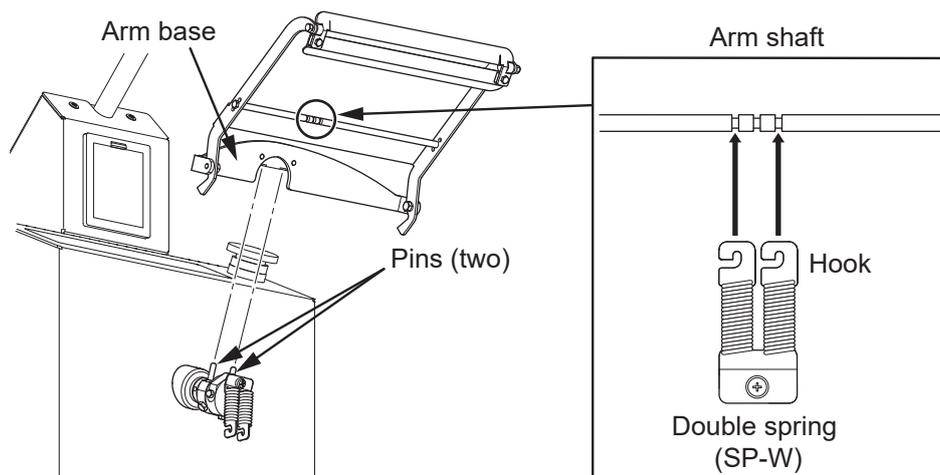


### Warning!

**The peeler blades are extremely sharp.  
Take adequate precautions to avoid injuring your hands.**

<p>(1)</p>	<p>(2)</p>	<p>(3)</p>
<p>Turn the arm clockwise 180° by hand.</p>	<p>Remove the spring hook at the upper end from the arm.</p>	<p>Lift the arm up to remove it.</p>

- To attach the arm, place the two holes at the base of the arm over the two pins on the arm holder, then attach the hooked end(s) of the spring(s) to the groove(s) on the arm shaft.  
If the arm is not installed properly, peeling will not take place correctly.



(4) Return the arm counterclockwise 180° to the original position by hand. Listen for the “click” to verify that the arm is in the correct position.

- If the arm does not return to the correct start position, peeling will not commence when the start/stop button is pressed. “Arm position wrong - correct” will be displayed on the display screen. Adjust the arm to the correct start position, and press the start/stop button.



### Caution!

**Handle the Arm with care.**

**The arm may be deformed by the force applied to it during attaching and detaching.**

**This may prevent the free movement of the peeler, resulting in a significant reduction in peeling performance.**

## 5) Peeler blade

- When replacing the peeler blade it is easiest to first remove the arm from the unit.



**Warning!**

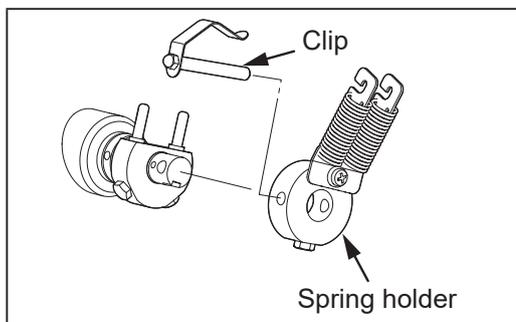
The peeler blades are extremely sharp. Handle with care to avoid injuring your hands.

Peeler replacement procedure	
<p>Open the arms in the shape of a "C" and remove the hinges at both ends of the peeler.</p>	<p>Do not open the arm too far or it will be deformed and the peeler will come off. If it is deformed inwardly, the blade will not hit the material properly. Please bend it back if deformed.</p>

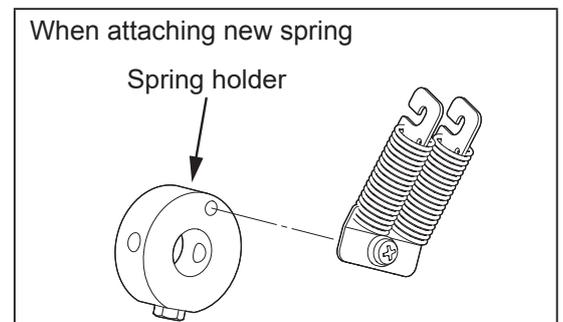
- Install the peeler blade using the reverse procedure to removal, while paying attention to the orientation of the blade (up-down, front-rear).

## 6) The Spring

- You can remove the spring and immerse it for washing. It is best to remove the arm first.

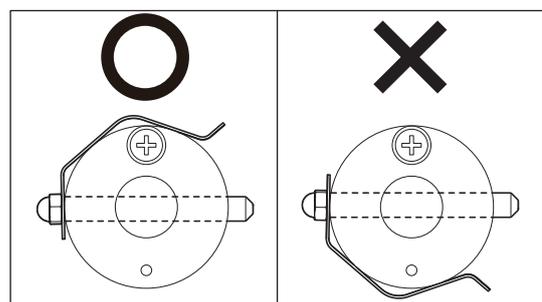
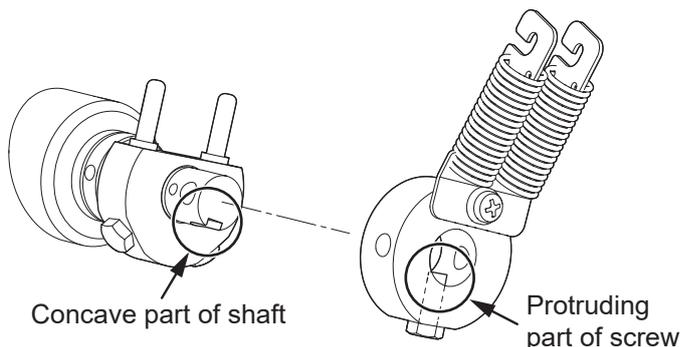


First remove the clip by pulling, then the spring holder can be removed. It is very difficult to remove when there is fruit juice attached to it.



To replace the spring, use a Phillips screwdriver to remove it from the holder.

- Align the nipple on the inside of the spring holder with the corresponding part of the arm holder, and then install the arm holder. Firmly insert the clip to the rear.



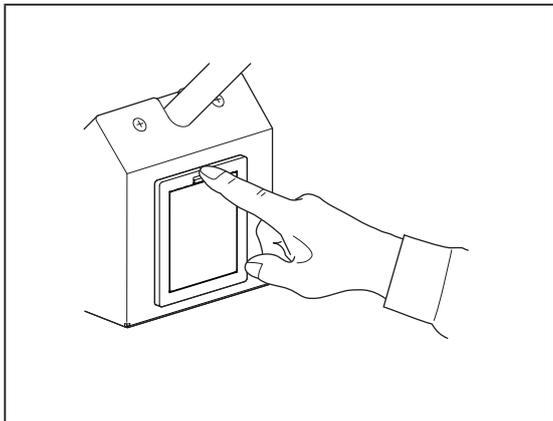
## 7) Laser liner (Only for KA-750, sold separately)



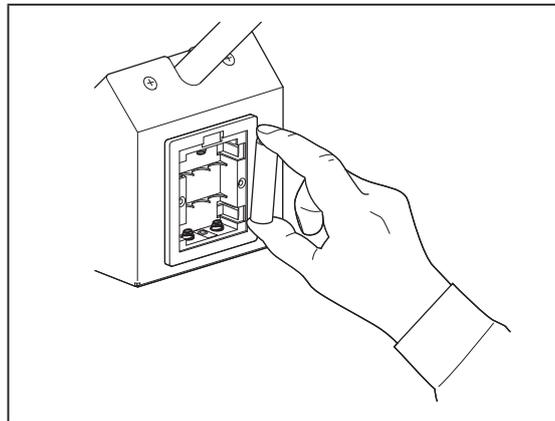
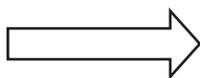
### Caution!

The laser liner is not waterproof. Be careful not to directly expose it to water. Failure to observe the above precautions may result in damage to the unit.

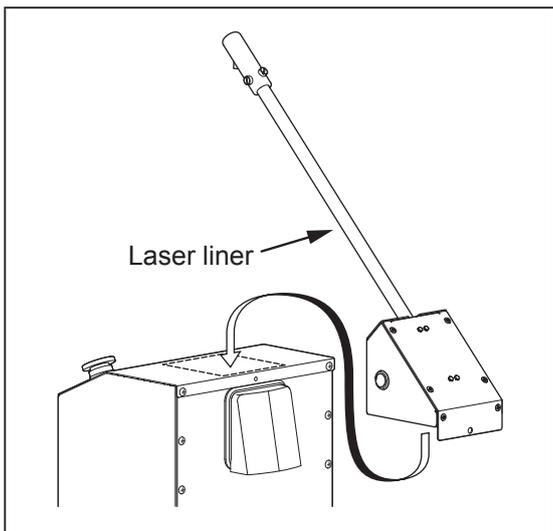
- The power source consists of dry batteries. If the laser beam fails to be emitted, replace the batteries. (The ON/OFF switch of the laser liner is located on the right side of the unit.)



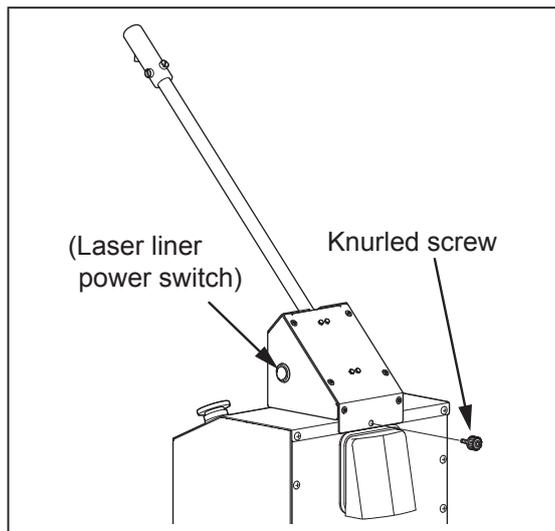
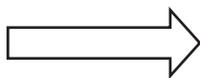
Remove the cover in the front.



Insert the 3 AA dry batteries provided into the unit, and install the cover.



Install the laser liner at the top of the unit.



Align the screw holes at the back of the unit, and fix the laser liner using the knurled screw provided.

## 8. Cleaning and Maintenance



### Warning!

When inspecting or cleaning the unit, always switch the power “Off” and unplug the power cord from the wall outlet. Failure to do this may result in injury.

1) When using the unit be sure to carry out the following on a daily basis.

1. Check for unusual noise.
2. Ensure that the unit does not become abnormally hot.

2) Remove the laser liner. (Only for KA-750, sold separately)

- Set the power switch on the laser liner to “OFF,” and then remove the laser liner from the unit. (The ON/OFF switch of the laser liner is located on the right side of the unit.)



### Caution!

The laser liner is not waterproof. Be sure to remove the laser liner prior to cleaning the peeler. Failure to do so may result damage to the unit.

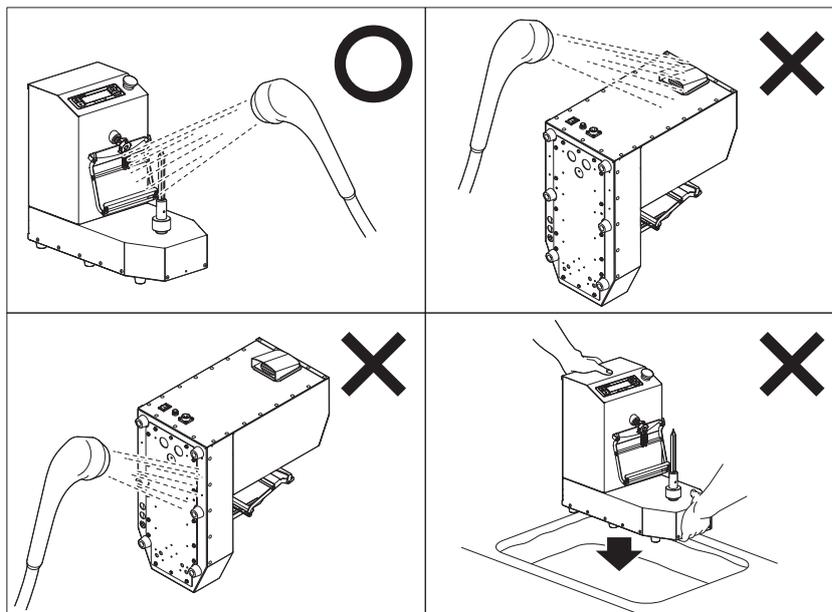
3) Keep the unit clean.

- Rinse off dirt from the upper portion of the unit. Never spray the base. Wipe the unit with a cloth that has been immersed in water and then wrung hard. Never use thinners or petroleum-based cleaning fluids on the unit.



### Warning!

The base of the unit is NOT water resistant. Do not pour water directly on the base, or immerse the unit. Failure to prevent water from coming into contact with the base may result in an electrical shock, fire, or other damage.



- Periodically clean the holding prong(s), slider, ejector, peeler blade(s), peeler arm, and spring. You can remove the parts and immerse it for washing. Please clean the unit and all parts more than once a day when in regular use.



### Warning!

The holding prong(s) and peeler blade(s) are extremely sharp. Take adequate precautions to avoid injury to the hands, etc.

#### 4) Periodically polish the peeler blade.

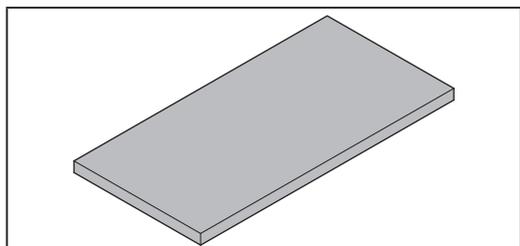
- Please polish the peeler blade using the included polishing stone.
- When polishing the peeler blade, apply water to it.
- Do not polish the one-way blades (e.g. mango blades).



**Warning!**

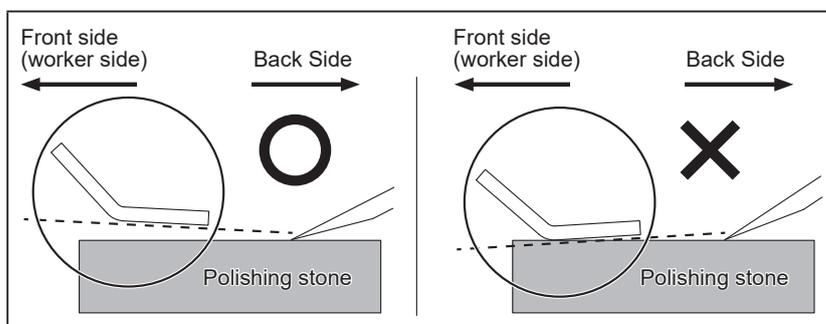
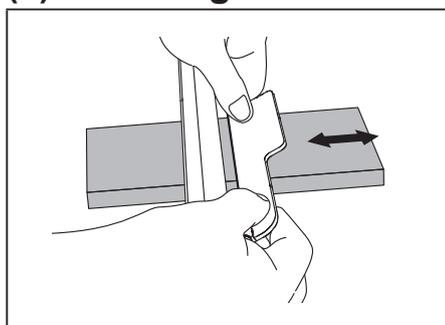
**The peeler blades are extremely sharp.**

**Take adequate precautions to avoid injury to the hands.**

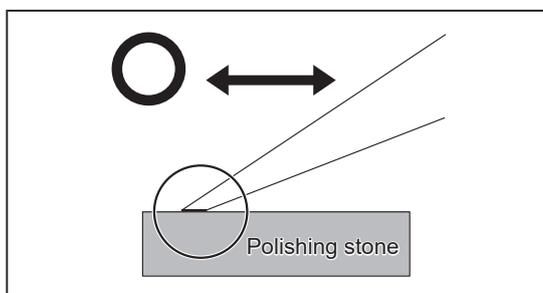


Polishing stone (#3000)

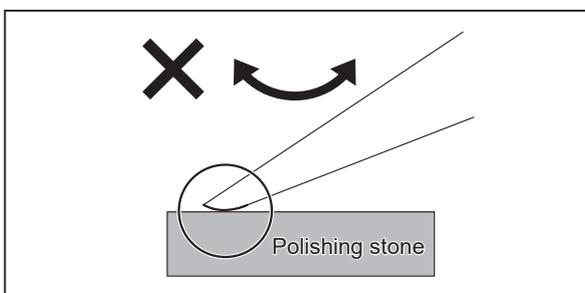
#### (1) Polishing the front side



Slightly lean the ○ part towards the back side. Keep the angle and polish consistently.

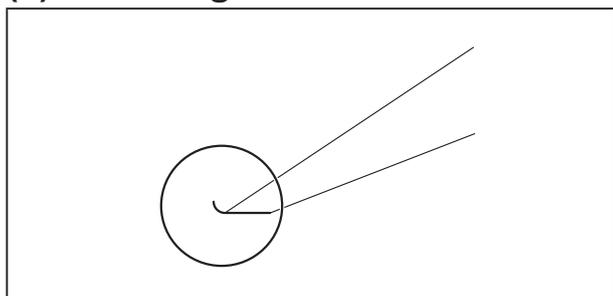


Move the blade back and forth parallel to the stone.



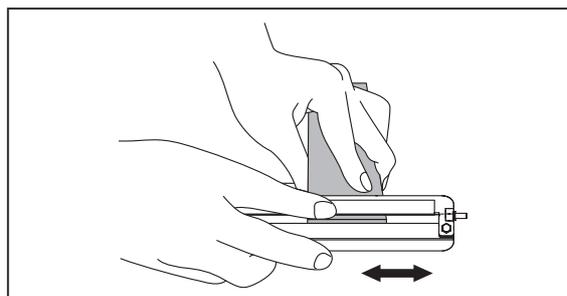
Don't move the blade in circular motion. Even the blade is sharper this way, the blade won't touch the peeling item.

#### (2) Polishing the back side



After polishing the front side, burr will occur on the back side.

Use the polishing stone to polish this burr.



## 5) Inspect regularly

- The unit should be inspected regularly to ensure that screws and other items have not loosened, and that no cracks or fractures are visible.
- It is recommended that you have the peeler inspected every 1000 hours. We will inspect, clean, and grease-up the inside of the unit, and also maintain it to enable you to use it comfortably (fare-paying services). Request for manufacturer's inspection will be displayed if the time exceeds 1000 hours (for KA-750) or 500 hours (for KA-720/730). Regarding a request for inspection by the manufacturer or consultation with the manufacturer, please contact Astra or official distributor.

## 6) When storing the unit for long periods, clean the unit thoroughly and store it in a place with low humidity.



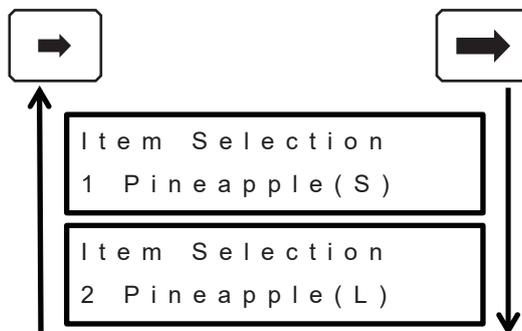
### Caution!

While storing the unit, take steps to prevent rodents, insects, or other living organisms, from getting inside it, because this may cause damage to the unit.

# 9. Settings

## 1) Item selection menu

- After powering up the unit, item selection will be shown. Choose your item with [←] [→] Buttons and press the Start button to select.
- Specific settings for each item are programmed in the memory of the unit.



\* Scroll-thru menu.

Start button



KA-750



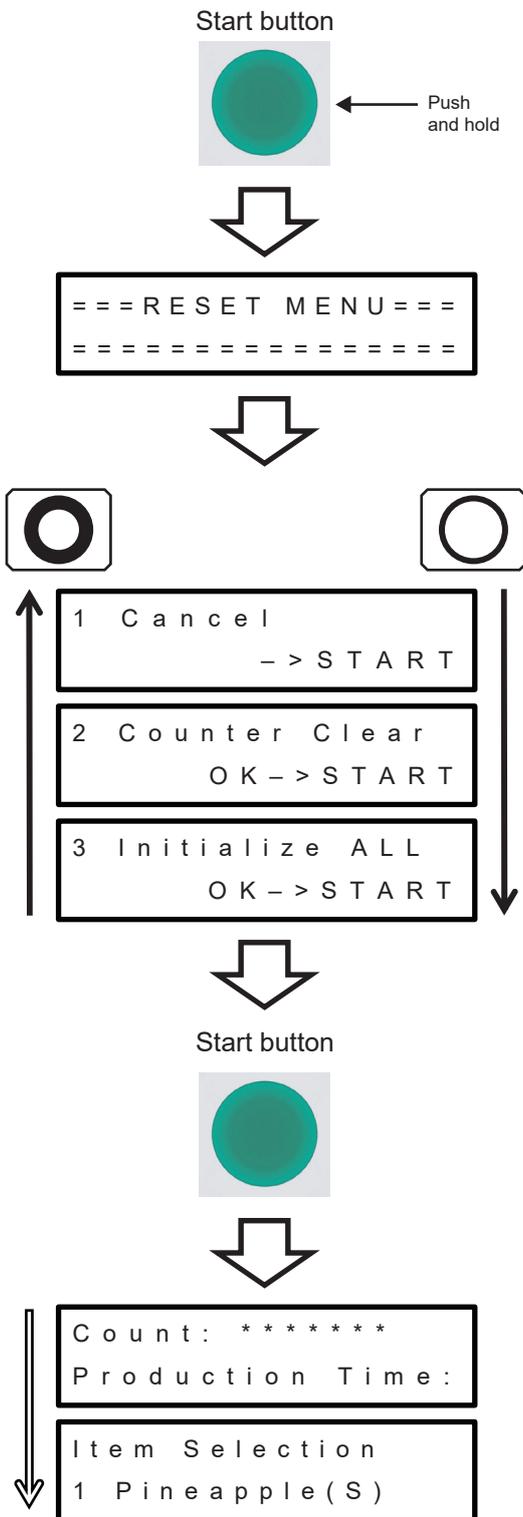
KA-720/730

\* Contents and number of the items are different depending on the chosen model.

- When the item menu has been selected, press the Start button.

## 2) Resetting the Menu

- The counter displayed during peeling operations can be reset. In addition, the item menu settings can be reset to the original defaults. Choose the menu with the  and .



1. Power the unit by pressing “On”.
2. While the Start button is flashing, press and hold down the button.
3. When the unit makes a beep-beep sound, and the display shows [Reset Menu], release the Start button.

- Menu 1 shows the peeling count and operation time.
- Menu 2 resets the counter.
- Menu 3 resets the counter and also all adjustments will return to default settings.

4. Select from the three menus above, press the Start button to confirm.

5. The counter is displayed. If you chose Menu 2 or 3, it'll be reset to 0.

6. Next, operation time is displayed.

- Operation time can't be reset.
- For KA-750, counter and time is shown together.

7. The Item Selection Menu is displayed.

- When you choose Menu 3, the first item to be shown will reset too.

## 10. Troubleshooting

- If you notice something amiss while operating the unit, please refer to the following:

Stage	Issues, symptoms	Additional info	Likely Cause	Solution
Preparation	No power	No reaction at all	Has the power cord become unplugged from the wall outlet?	Check the power cord.
			It is possible that an internal fuse has blown.	Replace the defective fuse with a new one.
	Nothing shows on the display.	--	There is an internal problem with the unit.	Notify the Company, then return the unit for servicing.
	Operation is slow.	--	It is normal for the unit to require up to five seconds to start.	--
	The unit moved by itself	The Arm moved.	When the arm is out of position, it will return automatically to the start position. This is not an abnormality.	Do not touch the unit until it returns to the Standby mode.
		Pin rotated.		
The unit stops and an error code (PE002, 003, 004) is displayed.	The arm is stopped at an odd angle.	The arm may have been left out of position after maintenance, etc.	Return the arm to the correct start position (by hand), then restart the unit.	
	The arm was started in the correct position, but stopped out of position.	There is an internal problem with the unit.	Notify the Company, then return the unit for servicing.	
Affixing the Fruit to the Holding Prong	I'm afraid of stabbing my hand.	--	Is your palm facing the holding pin?	Encircle the item with your hands, then safely press it down.
	Can't affix/hard to affix an item to the prong.	--	Is the item hard?	We prepare parts for harder items. Please contact us.
		--	Did you cut the item before affixing, and adjust the affixing position?	Please read the manual, and prepare the item before affixing.
Peeling	"Armmisaligned – realign" is displayed.	--	The Arm is not in the correct start position.	Return the arm to the starting position, and press "Start."
	Skin remains after peeling.	The skin peels off in a striped pattern.	The peeling thickness setting is incorrect.	Making the peeling adjustment thicker will prevent striping.
		Concave portion unpeeled	The peeling thickness or spin speed setting is incorrect.	Increase the peeling thickness, and slow the spin speed to leave less peel.
		Targeted part remains unpeeled.	Certain shapes cannot be peeled by the blade.	You need to cut off the elongated part before peeling.
			It is possible that part of the blade is worn.	Polish the blade edge using the polishing stone, or replace the peeler blade with a new one.
Fuzz appears on the surface.	It is possible that blade edge is worn.			

Stage	Issues, symptoms	Additional info	Likely Cause	Solution
Peeling	Skin remains after peeling	Sometimes the skin fails to be peeled.	Is the skin already in contact with the blade before starting?	If the arm and blade are entangled, remove them.
			Has it been some time since you used the peeler? Has juice hardened on (in) it?	Use a damp cloth to carefully wipe clean the peeler blade.
			Is the position of the item correct?	Align the core to the holding prong.
	Peeling stops in mid-operation.	The peeler blade seems to be catching on something	When the peeling depth is too deep, the blade will be caught to the item and the pin might spin out of control.	Change the blade to thinner blade or decrease the peeling thickness, and slow the spin speed.
			The item might be too large.	If will cause malfunction if the item is too large.
	An item separates from the prong.	-	Are you attempting to peel an extremely soft item or an extremely deformed item?	Reducing the spin speed may help, but there is a limit.
			Have you attempted to affix the item once again, or peeled it more than once?	Inserting an item twice increases prong damage as well as increasing the , and the chance the item will weaken and slip off the prong.
	An item wobbles on the prong.	--	Is the item affixed to the center?	Some wobble is OK, assuming that the item is peeled correctly.
	Skin scatters in small pieces.	--	The skin of a kind of fruit that has a hard skin scatters into small pieces.	We prepare anti-skin cover sold separately.



## 11. In Conclusion

- This completes the basic user instructions for the KA-750H.
- If you have further questions, or issues with the unit, please contact Astra for additional consultation.

### Warranty

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- 1) The warranty period for this unit is one year from delivery, or 1000 hours of use.
- 2) Where the unit has been correctly operated and maintained as directed in this manual, and the Company is responsible for a defect, malfunction or failure of the unit, the Company will repair the unit at no cost to the customer during the warranty period .  
The Company's responsibility will be to replace or repair only the inoperative part(s).
  - Correct operation of the unit is defined as follows:
    1. Operating temperature and humidity: 0 – 30°C, 85%RH (relative humidity) or below.
    2. All operations are carried out per this user manual alone.
- 3) Even during the warranty period, the following repairs will be not be covered by the warranty:
  1. Damage or breakdown due to natural disasters, civil strife, or other acts of God.
  2. Breakdown due to salt corrosion, flammable gas, corrosive gas, radiation, dust, high temperatures, sulfuric emissions, pollutants or other adverse environmental factors.
  3. Damage resulting from contact with insects, rodents or other vermin.
  4. Breakdown or damage resulting from the use of the unit in ways not described in this manual.
  5. Breakdown or damage resulting from service carried out by a person not designated by this Company.
  6. Damage resulting from electrical noise.
  7. Operating this unit from a power source other than those indicated in this manual.
  8. Damage caused by dropping the unit, sinking the unit to water or otherwise applying an impact to it.
  9. Any damage deemed by the Company's service department as outside the coverage of this warranty.
  10. All consumable parts and attachments.
- 4) Other issues for which the Company is not liable
  1. Regardless of whether the unit is within or outside of the warranty period (during or after), the Company will not be held responsible for the cost of lost business, damage to other equipment, cost of labor costs, loss of productivity, or remuneration for shipping, as well as any other costs associated with operations carried out by the unit's owner.
  2. The Company will not be held liable for, or offer remuneration against, any claims of damage or infringements of patents, etc., by a third party, concerning the unit.
- 5) All repairs and inspection costs after the expiration of the warranty period will be paid for by the unit's owner. If during the warranty period the unit is returned by the user for repair or service, and the cause of the problem is found to be other than those covered by the above warranty, the owner will be responsible for all associated costs.

No.

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