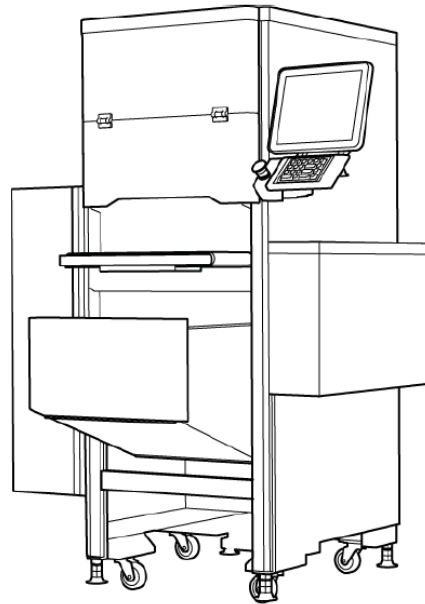


# Ishida WM-Ai

---

Automatic Wrapper and Labeler

## Operation Manual





## **IMPORTANT NOTICE**

Thank you for purchasing the ISHIDA WM-Ai.

This manual explains the procedures to install, operate, and maintain the machine.

Those who handle the machine must be aware of the hazards involved. These dangers may not be obvious, so it is imperative to follow the instructions detailed in this manual when installing, operating, and maintaining the machine. Therefore, we recommend that you thoroughly read and understand this manual before installing, operating, or maintaining the machine, and keep this manual in a safe place where you can refer to it whenever necessary.

Safety countermeasures should be carefully considered and implemented before performing any installation, operation, or maintenance procedure not specifically described in this manual or indicated on the machine itself.

ISHIDA is not liable for any damage, loss or injury that results from incorrect operation, insufficient caution, unauthorized modifications to the machine, or failure to follow the instructions contained in this manual.

## **CHANGE IN SPECIFICATIONS**

Machine specifications and accessories may be changed at any time due to improvements or other reasons. Consult with your ISHIDA representative at any time to confirm the actual specifications of the purchased machine.

## **ERRORS AND OMISSIONS**

The information in this manual has been carefully checked and is believed to be accurate. However, please understand that the descriptions in this manual may not agree with the actual machine due to machine improvements. The information is subject to change without prior notice in the future. ISHIDA assumes no responsibility for clerical, typographical or proofreading errors, or omissions.

## **LIMITATIONS OF LIABILITY**

ISHIDA assumes no responsibility for special, indirect, or consequential damages, loss of profits or commercial loss in any way connected with the machine, whether such claim is based on contract, warranty, negligence, or strict liability.






ISHIDA shall assume responsibility for problems with the machine or the system based on an individual maintenance contract. However, ISHIDA shall not be responsible for secondary problems.

ISHIDA assumes no responsibility for the user's programming of this machine, or any consequence thereof.

In no event shall ISHIDA be responsible for warranty, repair, or other claims regarding the machine unless ISHIDA's analysis confirms that the machines were properly handled, stored, installed, and maintained and not subject to contamination, abuse, misuse, or inappropriate modification or repair.

## SIGNAL WORDS (TYPES & MEANING)

The signal words shown in this manual are separated into two stages depending on the level of danger or the seriousness of potential injury. Fully understand the meanings of the signal words shown below and follow the directions as shown in this manual and on the stickers placed about the machine.

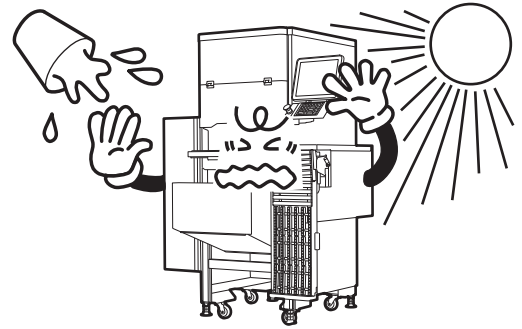
Signal	Meaning
 <b>DANGER</b>	Indicates an imminently hazardous situation which, if not avoided, is likely to result in serious injury or may result in death. Additionally there may be severe property damage.
 <b>WARNING</b>	Indicates a potentially hazardous situation, which, if not avoided, will result in severe injury or death.
 <b>CAUTION</b>	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury or in property damage.
<b>NOTE</b>	Indicates information that needs to be noted or emphasized.
 INFORMATION	Indicates reference information when performing an operation.
 REFERENCE	Indicates the reference page related to performance of an operation.

## PRECAUTIONS FOR USE

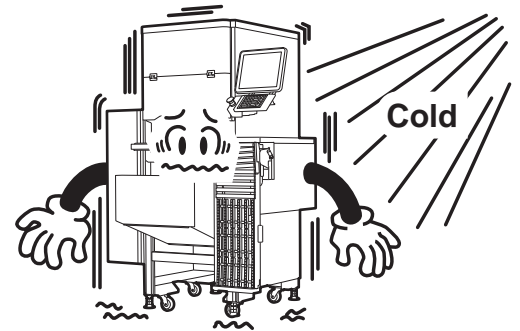
For safe operation, the following safety considerations must be observed:

### WARNING

- Places subject to low temperature and low humidity, or high temperature and high humidity
- Places exposed to direct sunlight
- Places subject to the splashing of water

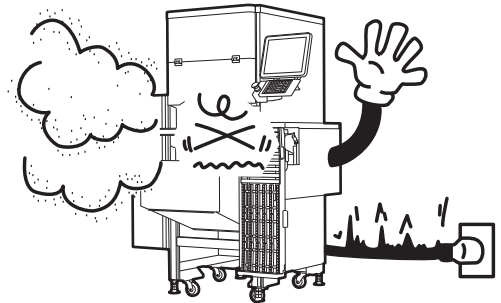


- Places exposed to strong vibration  
Places where the floor or ground is unstable



- Places exposed to direct chill air
- Places exposed to direct chill air from cooling equipment such as air conditioners and refrigerators.

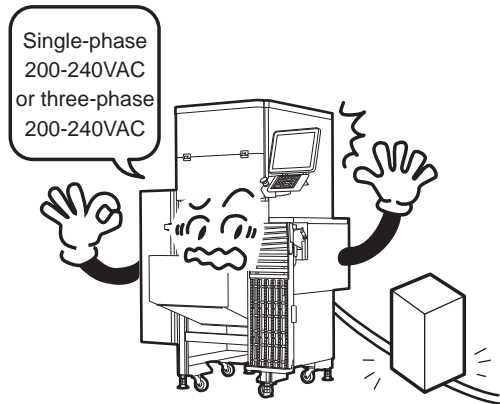
- Places with much litter or dust
- Places where the voltage fluctuation is large



## Regarding the Power Source

### WARNING

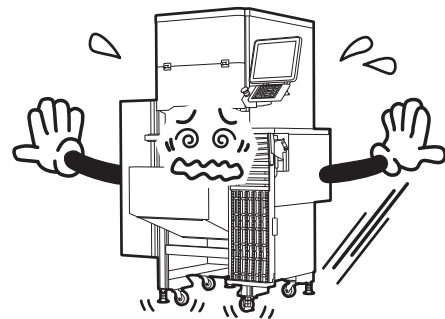
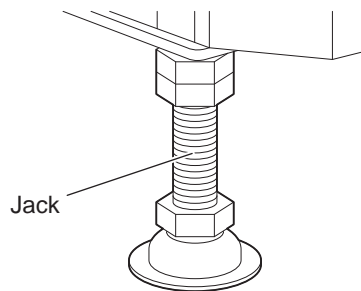
- For the power source, use either a single-phase 200-240VAC or a three-phase 200-240VAC.
- Power sources with voltage fluctuation may be a cause of machine malfunction.
- Do not stand on, or place heavy objects on the power cable. Damage to the cable and its continued use may cause an accident or trouble.



## Regarding Jacks for Fixing the Machine

### WARNING

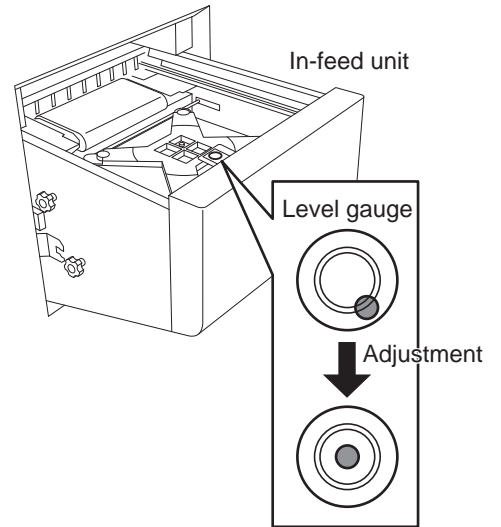
- Once the machine has been installed, do not remove the jacks affixing the machine. As casters are affixed, this machine may move during production work. Also, this may lead to a reduction in wrapping capability.



## Regarding the Level Gauge

### WARNING

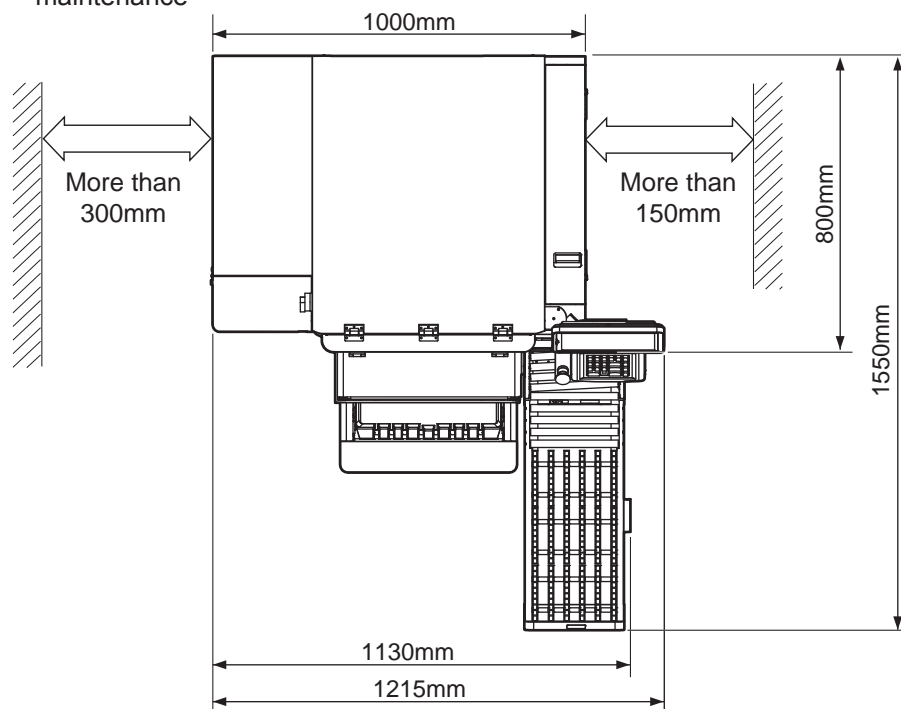
- Always ensure this machine is level. If the level gauge is not used to correctly level the machine, erroneous weighing readings may occur and may be a cause for wrapping failure. If the machine is not horizontally even, adjust using the four jacks used for fixing the machine. The level gauge is located beneath the weighing platter.



## Providing sufficient installation space

### WARNING

- Allow ample installation space on either side of the machine to ensure easy access for maintenance



- Disposal of the packaging materials should follow the local rules regarding separation of waste materials.

## PRECAUTIONS FOR USE

Warning stickers are affixed to the machine to warn operators of possible dangers. Described here are the meanings and handling precautions of these warning stickers.



**WARNING**

Keep these stickers clean at all times.

Take precautions to ensure that they do not become unreadable or peel off.

### Meaning of the Warning Stickers



If you need to put your hand into the machine, if an irregular sound is emitted, or if for some reason it is dangerous to continue operation, press the Emergency Stop Switch Button before carrying out the operation, or maintenance.



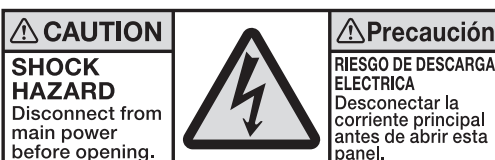
Always push the Emergency Stop Switch Button when removing a caught item from the wrapping unit or touching the wrapping unit other than through use of key manipulation.



This label has been placed on parts where there is a danger of the hand being cut by a cutting mechanism such as the cutter. Always press the Emergency Stop Switch Button before beginning any work near any cutting mechanism.



This label has been placed on the fan heater unit. Do not approach closely as the fan heater remains hot during use or even after power is cut.



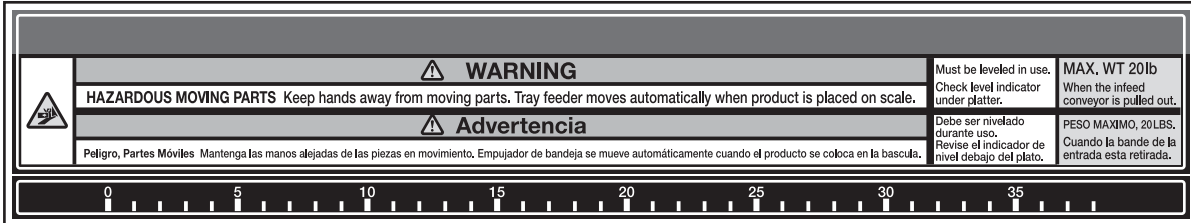
This label has been placed on the left and right sides of the machine and the electric box cover.

Do not touch as there is the danger of electric shock.





This label has been placed on the fan heater unit.  
Do not approach closely as you may become caught in the fans.

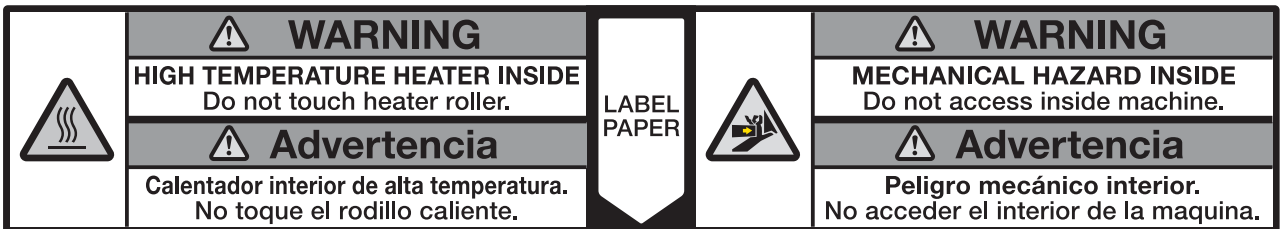


This label has been placed on the infeed unit. When weighing work is being carried out, the infeed bar will move. Do not touch the infeed bar as you may get your hand or fingers caught in the bar.



This label has been placed on the heater guard unit. Do not touch with hand or clothes as the heater guard unit remains hot during use or even after power is cut.

This label has been placed where there is a danger of your hand or fingers being caught during operation. Perform correct procedure as described in this manual.



This label has been placed on the discharge unit. Do not touch directly with hand or clothes as the discharge unit remains hot during use or even after power is cut. Also, do not place your hand inside the cover while labels are being discharged as your hand may be caught during operation.



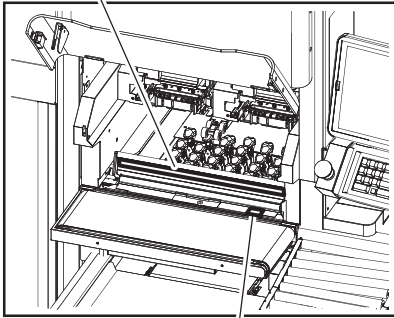
Placed on the stock conveyer in which your fingers, hand, and other parts may be caught during operation  
Perform correct procedures as described in this manual.

# Positions of Warning Stickers and Handling Precautions

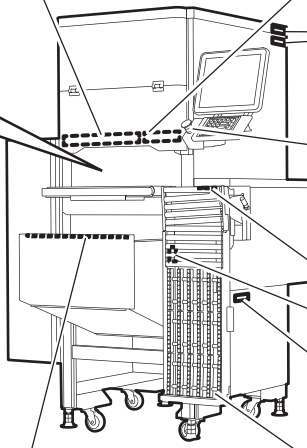
	<b>WARNING</b> HIGH TEMPERATURE HEATER INSIDE Do not touch heater roller.	LABEL PAPER		<b>WARNING</b> MECHANICAL HAZARD INSIDE Do not access inside machine.	
	<b>Advertencia</b> Calentador interior de alta temperatura. No toque el rodillo caliente.			<b>Advertencia</b> Peligro mecánico interior. No acceder el interior de la máquina.	

	<b>WARNING</b> Advertencia HIGH TEMPERATURE, BURN HAZARD Do not touch heater roller.		<b>WARNING</b> Advertencia MECHANICAL HAZARD INSIDE Do not access inside machine.
--	-----------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------

	<b>WARNING</b> DO NOT REACH IN MACHINE WITHOUT PRESSING EMERGENCY STOP SWITCH.	
	<b>Advertencia</b> No meta la mano en la máquina sin oprimir el interruptor de emergencia.	



	<b>WARNING</b> HOT SURFACE Keep hands away.
	<b>Advertencia</b> SUPERFICIE CALIENTE Mantenga las manos alejadas.



	<b>CAUTION</b> SHOCK HAZARD Disconnect from main power before opening.		<b>Precaución</b> RIESGO DE DESCARGA ELECTRICA Desconectar la corriente principal antes de abrir esta panel.
--	------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------



	<b>CAUTION</b> Keep hands away from moving parts.		<b>Precaución</b> Mantenga las manos alejadas de las partes móviles.
--	------------------------------------------------------------	--	----------------------------------------------------------------------------------

	<b>CAUTION</b> SHOCK HAZARD Disconnect from main power before opening.		<b>Precaución</b> RIESGO DE DESCARGA ELECTRICA Desconectar la corriente principal antes de abrir esta panel.
--	------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------

MAX. WT 30lb  
PESO MAXIMO, 30 LBS

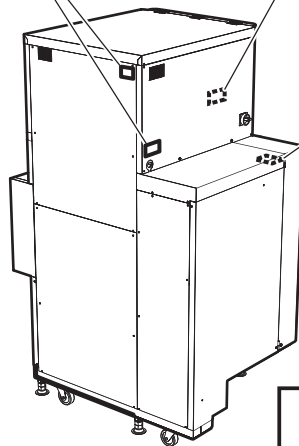
	<b>WARNING</b> HAZARDOUS MOVING PARTS Keep hands away from moving parts. Tray feeder moves automatically when product is placed on scale.	Must be leveled in use. Check level indicator under platform.	MAX. WT 20lb When the infused component is pulled out.
	<b>Advertencia</b> Peligro, Partes Móviles Mantenga las manos alejadas de las piezas en movimiento. Empujador de bandeja se mueve automáticamente cuando el producto se coloca en la báscula.	Debe ser nivelado durante uso. Revise el indicador de nivel debajo del plato.	PESO MAXIMO, 20 LBS. Cuando la bandeja de la entrada está retirada.

	<b>CAUTION</b> SHOCK HAZARD Disconnect from main power before opening.		<b>Precaución</b> RIESGO DE DESCARGA ELECTRICA Desconectar la corriente principal antes de abrir esta panel.
--	------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------

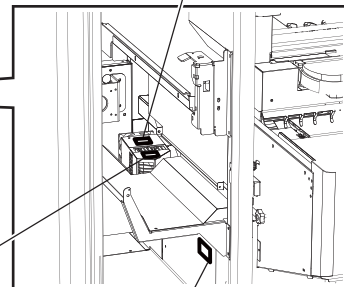
	<b>CAUTION</b> SHOCK HAZARD Disconnect from main power before opening.		<b>Precaución</b> RIESGO DE DESCARGA ELECTRICA Desconectar la corriente principal antes de abrir esta panel.
--	------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------

	<b>WARNING</b> Keep hands away from cutting parts.
	<b>Advertencia</b> Mantenga las manos alejadas de las piezas de corte.

	<b>WARNING</b> Keep hands away from moving parts.
	<b>Advertencia</b> Mantenga las manos lejos de partes en movimiento.



	<b>WARNING</b> HOT SURFACE Keep hands away.
	<b>Advertencia</b> SUPERFICIE CALIENTE Mantenga las manos alejadas.



	<b>CAUTION</b> SHOCK HAZARD Disconnect from main power before opening.		<b>Precaución</b> RIESGO DE DESCARGA ELECTRICA Desconectar la corriente principal antes de abrir esta panel.
--	------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------

## Cut-off and Display of the Power Source

Prior to maintenance and inspection of this machine, shut off power supply to this machine to ensure the safety of the operator. Also, to ensure that the power supply is not started-up during work, create a warning notice for preventing accidents and display it on the power cutoff part of the machine. For this machine, turn the power switch OFF. Dangle the warning notice for preventing accidents next to the power switch.



## General Notes

This section describes some general notes for the safe use of this machine, which should be carefully observed.

### DANGER

- Do not press switches and buttons with a wet hand. Doing so may result in electric shock.
- Electrical work should be performed by an electrical constructor or by a person qualified in electrical engineering.
- Do not touch any conducting part while power is being supplied. Doing so may result in electric shock.
- Maintenance and inspection should be performed by an electrical maintenance person. Maintenance and inspection performed other than such a person may result in electric shock or be a cause of malfunction to the machine.

### WARNING

- Operators of this machine should tie any long hair into a bundle, wear a cap and wear appropriate clothes and shoes for this type of work. Any long hair or unappropriated clothing may result in them becoming caught in rotating parts of this machine which may lead to injury.
- Before operating this machine, ensure that every cover has been mounted.
- Turn the power switch OFF when performing instruction and repair of parts other than those specifically instructed.
- Wait for a while prior to performing any inspection on this machine following turning-off of the power switch. Even if power is cut, parts of the machine may remain hot. Also if other devices are connected to this machine in the pre-process or post-process areas, ensure powers to all devices have been cutoff.
- To prevent other people around you from wrongly starting the power supply or moving devices, ensure you have given clear indication that maintenance and inspection are being performed to those around you.

### CAUTION

- Do not operate this machine while placing tools and other items on top of the machine. Doing so may cause these items to fall into the moving parts of the machine causing damage to the machine.
- When performing maintenance and inspection, wear working clothes. Also, avoid wearing cotton work gloves.
- Do not touch this machine or its packaging materials with dirtied hands through the handling of food etc. Doing so may be a cause of microbial contamination.

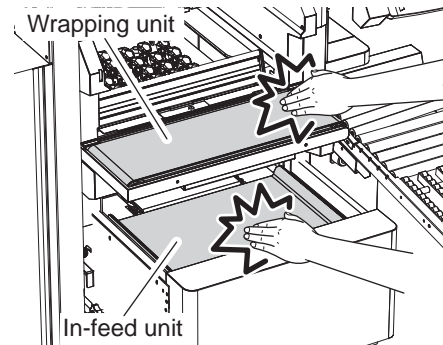
## Handling Precautions



### WARNING

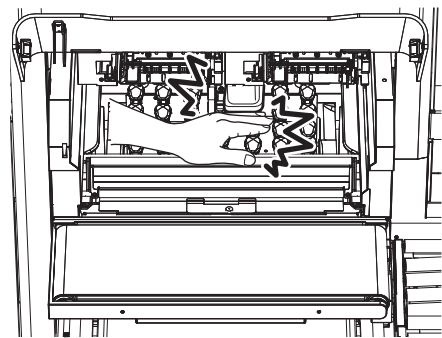
- **Do not put hand into the infeed unit or wrapping unit.**

Do not put your hand in the infeeding, weighing, or wrapping areas. If you need to put your hand inside the wrapping area to take something out of the infeeding, weighing, or wrapping areas, always press the Emergency Stop Button first. Never put your hand inside the wrapping area, or it may be caught in the machine.



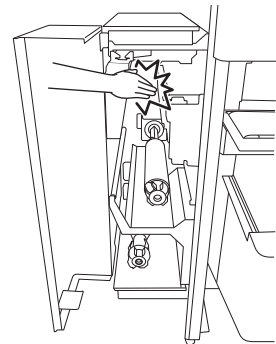
- **Keep your hand away from the label applicator space when the label applicator arm is in operation.**

If you need to operate near the label applicator space such as to remove labels, always press the Emergency Stop Switch Button first. Your hand may be caught in the machine while the label applicator arm is in operation.



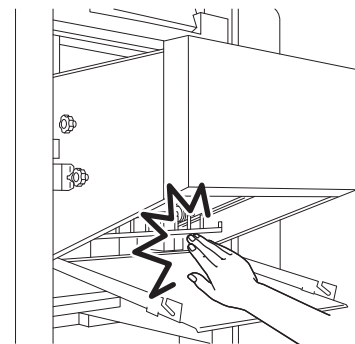
- **Keep your hand away from the film cutter.**

When you need to change the film or do anything near the film cutter, always press the Emergency Stop Switch Button first. Grievous injury may ensue should the film cutter jump out and cut your hand.



- **Do not put your hand inside the electric box of the infeed unit.**

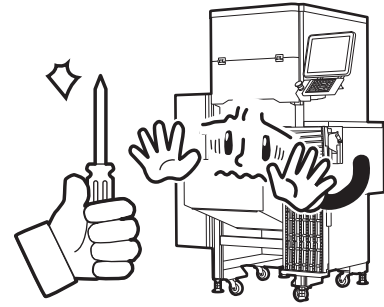
There is a danger of electric shock if you touch the inside of the electric box of the infeed unit. Never touch directly or spill water into the unit. Also, never touch the power switch with wet hand.



**! WARNING**

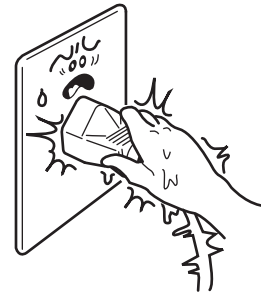
- **Do not disassemble or make any alterations to the machine.**

The machine can be damaged if disassembled incorrectly. Making any alterations without permission, or removing any parts other than those specified, may cause a serious accident or injury. (ISHIDA will not guarantee the subsequent quality of the machine)



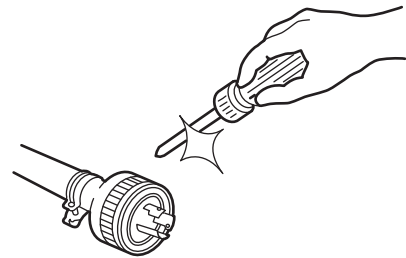
- **Do not insert or pull out the power plug with wet hand.**

Doing so may cause a short circuit or electric shock.



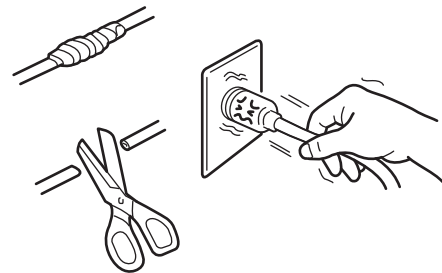
- **Do not fabricate the plug for power supply or power cable.**

Doing so may cause a fire or electric shock.



- **Do not pull or damage the power cable, or use other power cables not specific to the machine.**

Doing so may cause the core cables to be damaged. This may cause a fire or electric shock.



 **WARNING**

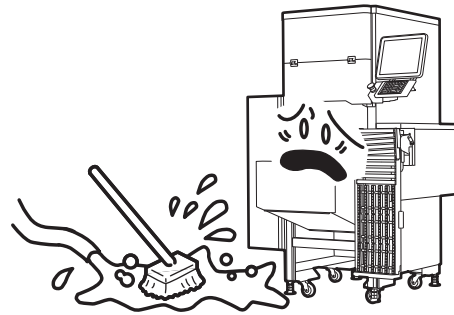
- **Do not spill water directly on the machine**

Doing so may cause electric shock or machine failure.



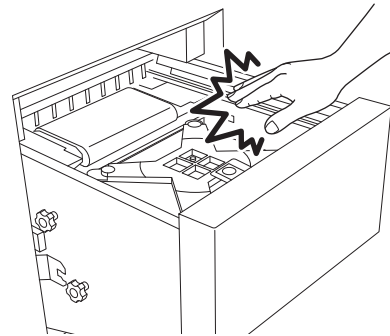
- **When cleaning the floor or performing activities which use water, ensure that the water doesn't splash on to the machine.**

Doing so may cause machine failure or dirt to stick the machine.



- **Always switch OFF the main power before performing any cleaning.**

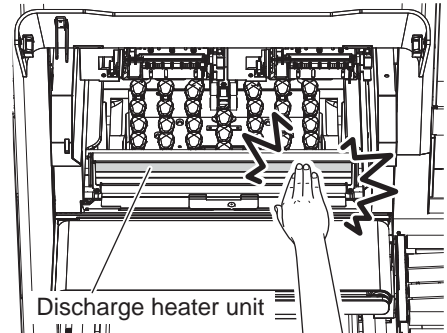
Your hand may be caught in the moving parts of the machine such as the chain of the weighing unit.



**CAUTION**

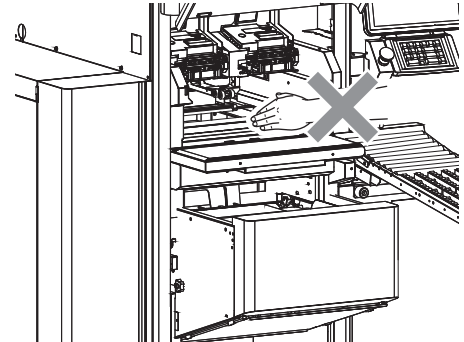
- **Do not touch, or allow clothing to touch the discharge heater unit.**

The heater will remain hot during operation and even for some time even after the power is switched OFF. Touching the unit during this time may cause burns.



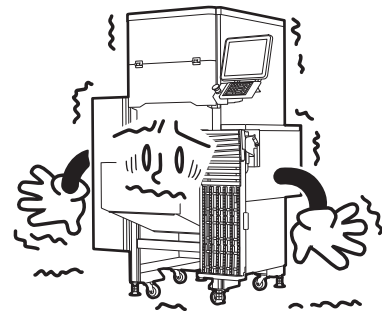
- **Do not remove any film from the wrapping unit.**

Doing so may get your hand caught in the unit. Open the film removal door and perform removal through this door.



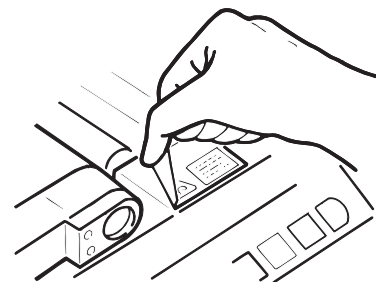
- **Handle with care as this is a precision machine.**

Bumps or shocks to the machine may cause damage and lower the wrapping speed.



- **Do not remove or damage the warning stickers.**

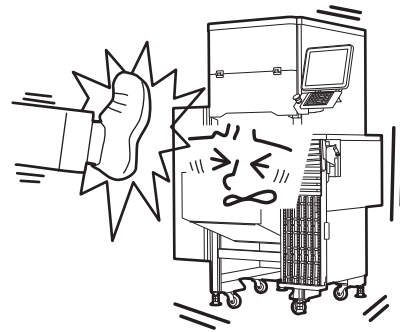
If the warning stickers are damaged in any way, contact your ISHIDA representative.



**CAUTION**

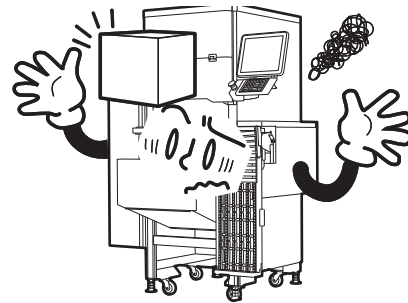
- **Do not apply strong force to the machine or printer unit.**

Doing so may cause deformation or machine failure.

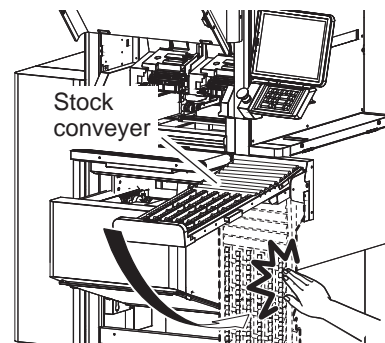


- **Do not place heavy objects on the conveyor or stand on the machine.**

Doing so may cause deformation or machine failure.



- **Be careful not to bump your hand when folding the stock conveyer.**

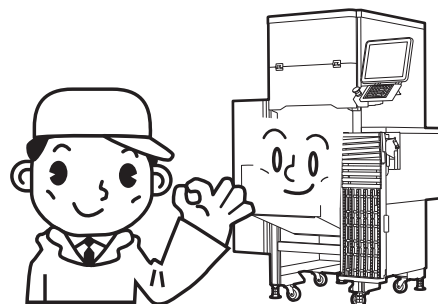


- **Store films and labels in hygienic places and avoid locations of high-temperature, high-humidity.**

Doing so may cause wrapping failure and labeling error.



- **To install the machine, contact your ISHIDA service representative.**





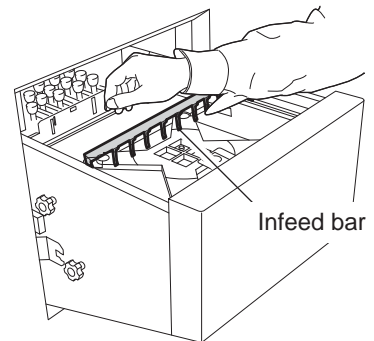


**CAUTION**

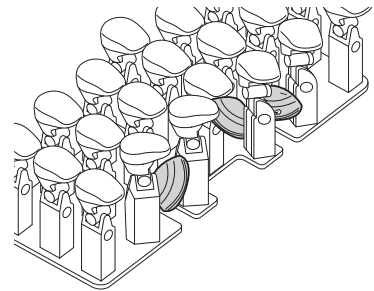
- **To relocate the machine, contact your ISHIDA service representative.**



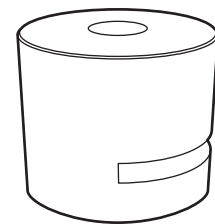
- **Make sure the hem of your clothes is not caught on the infeed bar.**



- **If hard items such as shells are stuck in the lift unit, the lift head may be damaged. Ensure such items are removed.**



- **Use the provided test weight of 200g to perform start-up inspection (weighing check) once a day.**



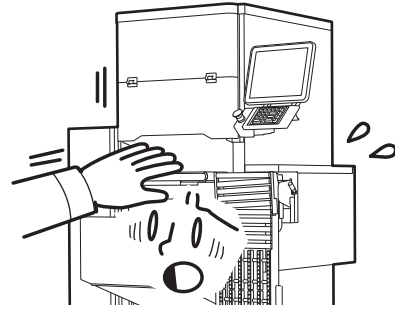
## Safety Precautions



### WARNING

- **Keep away from the movable range of the label applicator arm when supplying power.**

When calling up a PLU item while power is being supplied, the label applicator will move from left to right.



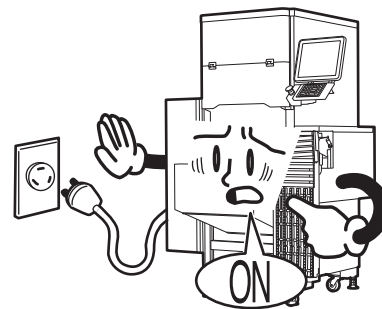
- **If abnormalities such as a burnt smell occur, stop use of the machine, switch the main power OFF and pull the power cable from the socket.**

Continued use of the machine may be a cause of fire or machine failure. Stop use of the machine and contact your ISHIDA representative.



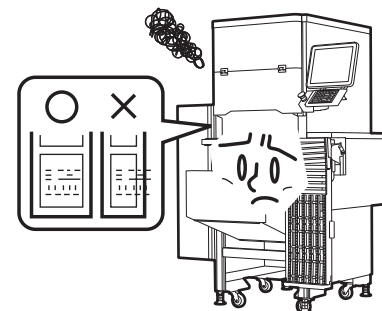
- **Do not pull out or insert the power cable of the machine when main power is ON.**

Doing so may cause machine failure.



- **Do not perform erroneous printing of the label size.**

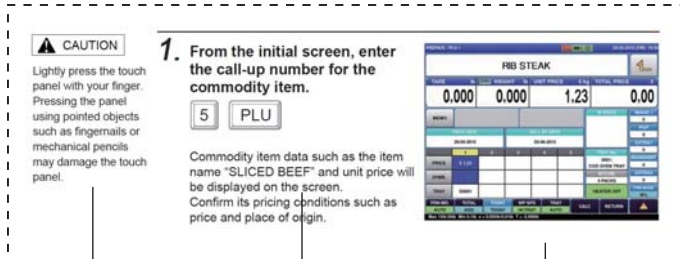
Printing wider than the label width may cause fire or burnout of the printing roller or thermal head.



# HOW TO USE THIS MANUAL

Shut off the power supply of this machines to secure the safety of the operator before any maintenance and inspection.

## Format of Procedure Explanation



1. Cautionary notes and references

2. Procedure descriptions and key operations

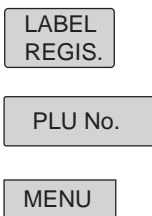
3. Screens and illustrations

1. On the left-side of each page are any precautions, reference information and reference pages important to the explanation.
2. Operational procedures are first explained and below them, the key operations are shown.
3. Screen displays or illustrations are shown corresponding to the operational procedure.

## Regarding the Key Displays of this Manual



Shows the numeric keypad of the stroke key unit.



The touch keys of the touch panel in this manual are shown in striped form.

\* When numeric keys are shown followed immediately by a touch-key, this shows that successive action should be performed.

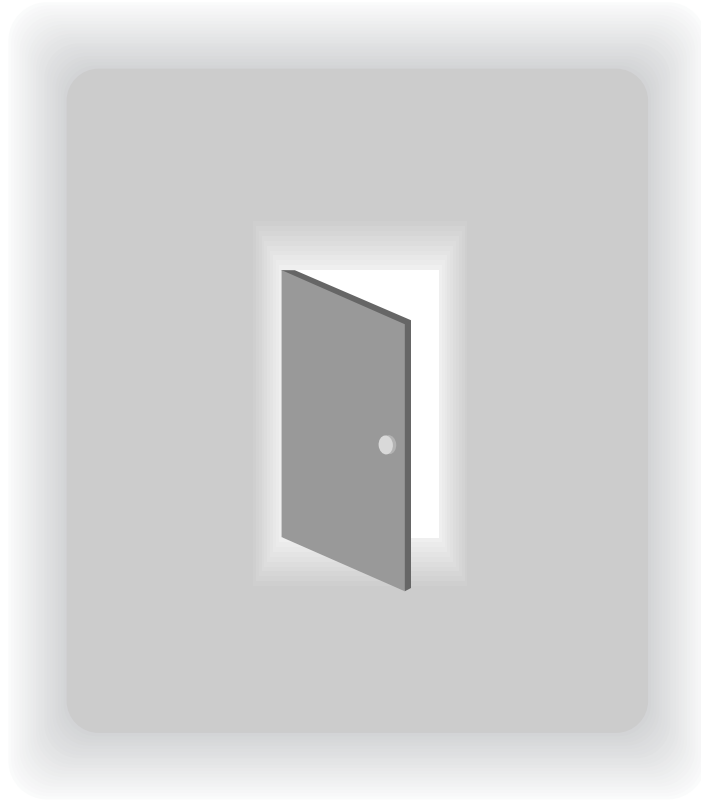
# TABLE OF CONTENTS

IMPORTANT NOTICE .....	III
CHANGE IN SPECIFICATIONS .....	III
ERRORS AND OMISSIONS .....	III
LIMITATIONS OF LIABILITY .....	III
SIGNAL WORDS (TYPES & MEANING) .....	IV
PRECAUTIONS FOR USE.....	V
TABLE OF CONTENTS.....	XX
<b>CHAPTER 1 BEFORE USING THE MACHINE.....</b>	<b>1-1</b>
1.1 PART NAMES AND FUNCTIONS .....	1-2
1.1.1 External Appearances.....	1-2
1.1.2 Accessories.....	1-2
1.1.3 Stroke Kyes.....	1-3
1.2 USABLE LABELS .....	1-3
1.3 USABLE TRAYS AND FILMS .....	1-4
1.3.1 External Appearances.....	1-4
1.3.2 Film Types.....	1-4
1.4 DAILY MAINTENANCE.....	1-5
1.5 MACHINE CLEANING .....	1-6
1.5.1 Precautions for Cleaning.....	1-6
1.5.2 Disassembly and Cleaning .....	1-6
1.5.3 Assembly .....	1-11
1.5.4 Operation Check.....	1-13
1.6 OPERATION START/END .....	1-16
1.6.1 Starting Operation.....	1-16
1.7 FILM LOADING.....	1-17
1.8 LABEL SETTING .....	1-20
1.9 TRAY STOCK FUNCTION.....	1-23
1.9.1 Using the Stock Conveyer / Enabling the tray Stock Function .....	1-23
1.9.2 Not Using the Stock Conveyer / Disabling the Trace Stock Function .....	1-24
1.9.3 Disabling the Function To Release Errors .....	1-25
1.10 DEFINITION OF TARE WEIGHT .....	1-26

<b>CHAPTER 2 BASIC OPERATIONS .....</b>	<b>2-1</b>
2.1 EXPLANATION OF PRODUCTION MODE SCREEN .....	2-2
2.1.1 Display Fields on the Initial Screen.....	2-2
2.1.2 Touch Keys on the Initial Screen.....	2-3
2.2 WEIGHING, WRAPPING AND LABELLING.....	2-4
2.2.1 Weighing, Wrapping, and Labeling .....	2-4
2.2.2 Wrapping Only .....	2-6
2.2.3 Labeling Only (Manual).....	2-7
2.2.4 Labeling Only (Automatic).....	2-8
 <b>CHAPTER 3 USEFUL FUNCTIONS.....</b>	 <b>3-1</b>
3.1 OPERATION OF AUTOMATIC TRAY RECOGNITION.....	3-2
3.1.1 Price Table .....	3-2
3.2 CALL UP THE ITEM DATA FROM THE DISPLAYED LIST .....	3-3
3.2.1 Search for the Item And Call It Up .....	3-5
3.3 CALLING ITEM DATA WITH MEMO PRESET KEYS .....	3-6
3.3.1 Registering Memo Preset Keys .....	3-6
3.3.2 Call Up the Item by Using the Memo Preset Key.....	3-7
3.4 CHANGE AND ADDITION OF ITEM DATA.....	3-8
3.4.1 Change the Unit Price.....	3-8
3.4.2 Enter the Tray Number in the Tray Field of the Price List.....	3-9
3.4.3 Enter the Selling Price in the Price Field of the Price List.....	3-10
3.4.4 Changing Trays on the Tray List Screen.....	3-11
3.4.5 Changing the symbol for a fixed price Commodity item.....	3-12
3.4.6 Performing Discount Processing.....	3-13
3.5 CHANGING THE LABEL DATE AND TIME .....	3-14
3.6 CHECKING LABEL PRINTING CONTENTS .....	3-16
3.7 USEFUL FEATURES OF FUNCTION KEYS.....	3-17
 <b>CHAPTER 4 DATA REGISTRATION.....</b>	 <b>4-1</b>
4.1 PROGRAM MENU.....	4-2
4.2 PLU REGISTRATION .....	4-3
4.2.1 PLU Detail (Sale 1) Registration .....	4-4
4.2.2 PLU Detail (Msg.) Registration .....	4-5
4.2.3 PLU Detail (Image) Registration .....	4-6
4.2.4 PLU Detail (Print) Registration.....	4-7
4.2.5 PLU Detail (Date) Registration.....	4-8
4.2.6 PLU Detail (Code) Registration.....	4-9
4.2.7 PLU Detail (Wrap) Registration.....	4-11

4.3	CAMPAIGN REGISTRATION .....	4-12
4.4	TRAY REGISTRATION .....	4-14
4.4.1	Registration of Tray List Screen.....	4-14
4.4.2	Automatic Tray Registration.....	4-15
4.4.3	Manual Tray Registration.....	4-17
4.4.4	Simple Film Adjustment .....	4-19
4.4.5	Tray Name Registration .....	4-21
4.4.6	Labeling Registration .....	4-22
4.5	PRESET KEY REGISTRATION.....	4-24
4.5.1	Setting Preset Groups and Pages .....	4-25
4.5.2	Setting Preset Keys .....	4-25
4.5.3	Changing Preset Key Sizes and Positions.....	4-26
4.5.4	Editing Preset Keys.....	4-27
4.5.5	Deleting Preset Keys .....	4-29
4.6	SCHEDULE REGISTRATION.....	4-30
4.6.1	Sleep Mode Setting.....	4-32
4.7	STORE REGISTRATION .....	4-35
4.8	DEPARTMENT REGISTRATION .....	4-37
4.9	COOKING INSTRUCTION REGISTRATION.....	4-39
4.10	NUTRITIONAL REGISTRATION .....	4-41
4.11	EXTRA MESSAGE REGISTRATION.....	4-43
4.12	SCHEME TABLE REGISTRATION.....	4-45
4.12.1	Scheme Table / Detail (Control) Screen Registration .....	4-47
4.12.2	Scheme Table / Detail (Basic) Registration.....	4-48
4.12.3	Scheme Table / Detail (Attrib.) Registration .....	4-49
4.13	GEN TABLE REGISTRATION .....	4-50
4.14	LOOKUP TABLE REGISTRATION .....	4-52
4.15	MINCE TRACE REGISTRATION.....	4-55
4.16	FIXED PRICE SYMBOL REGISTRATION .....	4-56
4.17	LABEL DATA CHECK .....	4-58
4.18	NUTRITION TEXT REGISTRATION.....	4-59
4.19	CHARACTER ENTRY METHOD .....	4-61
4.19.1	Text Editing .....	4-63
4.19.2	Font Style Selection.....	4-64
4.19.3	Line Data Deletion .....	4-65
4.19.4	Data Erase .....	4-66
4.19.5	Data Copy.....	4-67

<b>CHAPTER 5 DATA TOTALIZATION</b> .....	<b>5-1</b>
5.1 CHANGE TO TOTAL MODE.....	5-2
5.2 TOTALS .....	5-3
5.3 GRAND TOTAL.....	5-4
5.4 TOTAL PER DEPARTMENT .....	5-5
5.5 DESIGNATED ITEM TOTAL .....	5-6
5.6 TOTAL PER TYPE .....	5-7
5.7 TOTAL PER HOUR.....	5-9
5.8 TOTAL PER WRAPPING MODE .....	5-10
5.9 TOTAL PER TRAY .....	5-11
5.10 TOTAL CLEAR.....	5-12
<b>CHAPTER 6 TOTAL DATA CORRECTION</b> .....	<b>6-1</b>
6.1 SWITCHING TO SUBTRACTION MODE .....	6-2
6.2 SUBTRACTION BY NUMERICAL ENTRY .....	6-3
6.3 ADDITION BY NUMERICAL ENTRY .....	6-4
<b>CHAPTER 7 SETTING MODE</b> .....	<b>7-1</b>
7.1 SWITCHING TO SETTING MODE .....	7-2
7.2 PASSWORD SETTINGS .....	7-3
7.3 KEY LOCK SETTINGS .....	7-4
7.4 TOTAL ADDITION SETTINGS .....	7-5
7.5 ITEM DATA AUTO-UPDATE SETTINGS .....	7-6
7.6 PLU INITIAL DATA SETTINGS .....	7-7
7.7 ITEM DATA BATCH CHANGE SETTINGS .....	7-8
<b>CHAPTER 8 ADJUSTMENT MODE</b> .....	<b>8-1</b>
8.1 SWITCH TO THE ADJUSTMENT MODE .....	8-2
8.2 DATE AND TIME ADJUSTMENT.....	8-3
8.3 TOUCH SCREEN ADJUSTMENT .....	8-4
8.4 SCREEN BRIGHTNESS ADJUSTMENT.....	8-5
<b>APPENDIX OTHERS</b> .....	<b>A-1</b>
A-1. SPECIFICATIONS .....	A-2



# **CHAPTER 1**

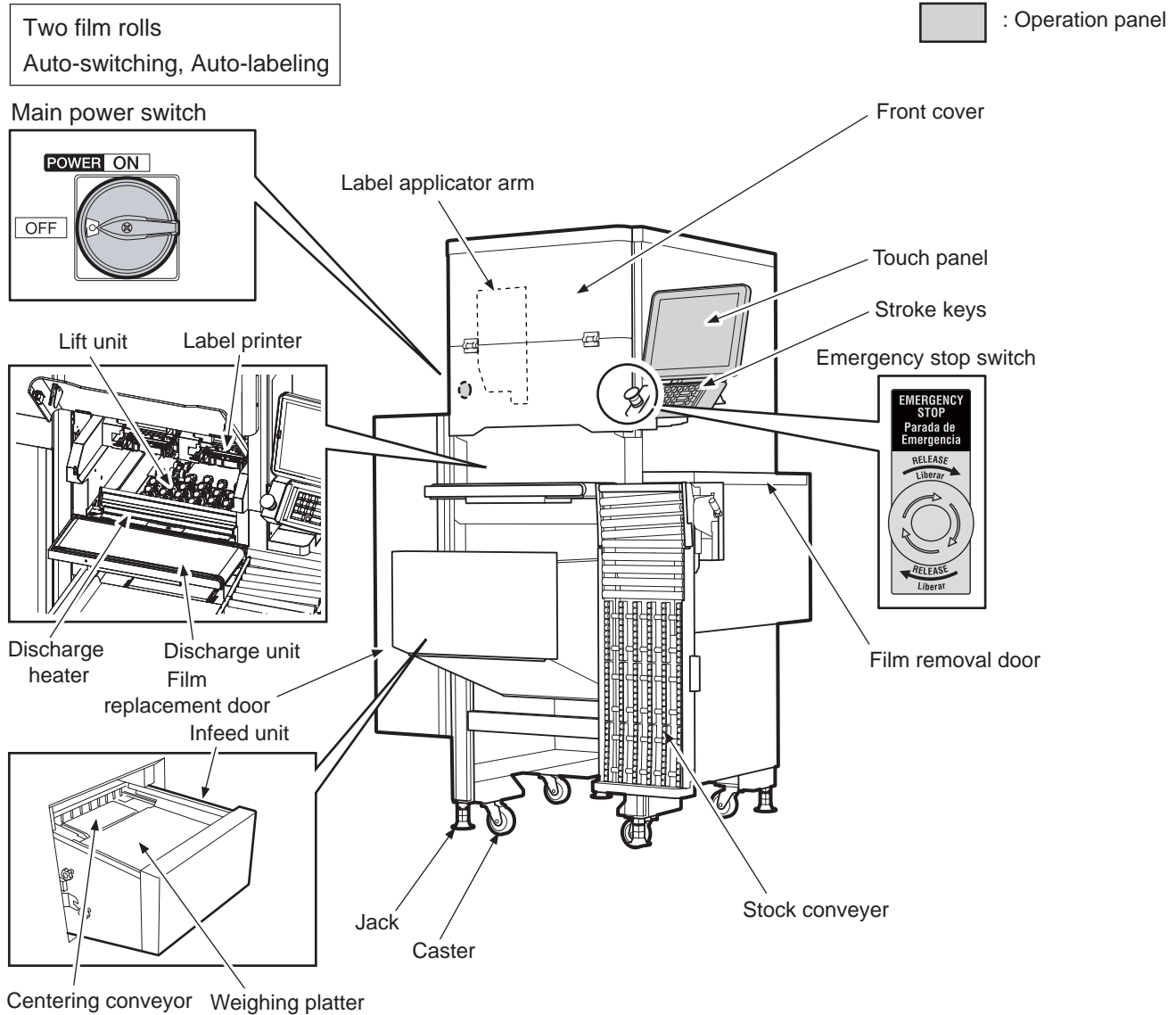
## **BEFORE USING THE MACHINE**



# 1.1 PART NAMES AND FUNCTIONS

This section provides a description of the name and function of each part of the machine. The names and functions of each part of the machine are explained below. In this manual, the following names for each part are used.

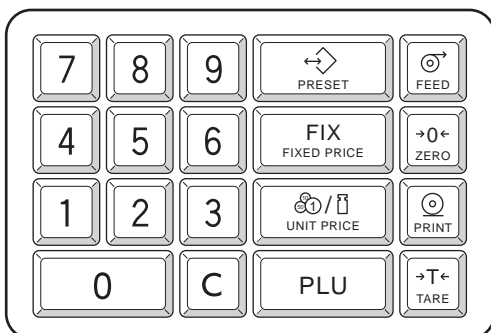
## 1.1.1 EXTERNAL APPEARANCES












## 1.1.2 ACCESSORIES

- User Manual (this manual) : 1
- Thermal-head cleaner (felt pen, cleaning solution) : 1 set
- Brush used for cleaning : 1
- Test weight : 1
- Initial operation inspection sheet : 1
- Static electricity removal wire (length±450):2
- Static electricity removal wire (length±500):1
- Skintop:1
- Skintop nut:1

## 1.1.3 STROKE KYES



	Used to change the fixed price, or change the unit price item to the fixed price item.
	Used for changes in the fixed price, or changes from a unit price item to a fixed price item.
	Used for changes in the unit price, or changes from a fixed price item to a unit price item.
	Used to call pre-registered data such as items, POPs, and comments.
	Used to delete the entered numerical data, or reset the error.
	Used to feed a label.
	Used to correct the zero point of the weighing unit.
	Used to issue a label.
	Used to change the weight of inserts in a tare.

## 1.2 USABLE LABELS

For labels that can be used, be sure to use specified labels adaptable to the machine.

- Adaptable label condition : For full-auto (transfer labels)
- Label roll diameter :  $\phi$ 230 mm or less
- Label horizontal dimension : 35 to 80 mm
- Label vertical dimension : 27 to 105 mm (Single printer)  
27 to 60 mm (Dual printer)



### CAUTION

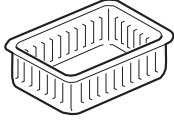
If the label paper outside a specified range is used, labels may not be correctly printed or the paper may not be smoothly fed.

## 1.3 USABLE TRAYS AND FILMS

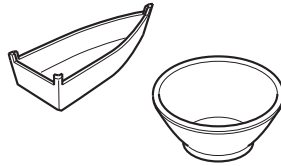
Use trays and films designed for this machine.

### 1.3.1 EXTERNAL APPEARANCES

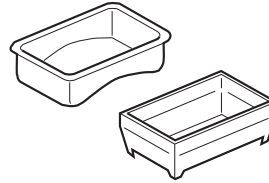
#### ■ Unusable Trays



- Fragile trays  
The trays may break or collapse



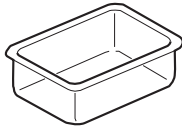
- Trays of unusual shape  
Feeding and film tension adjustment are difficult



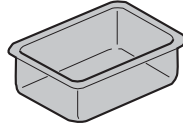
- Trays with rounded bottoms  
Labels cannot be added to the film

#### ■ Trays not automatically recognized by the CMOS camera

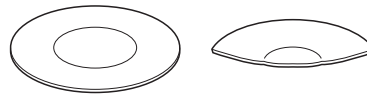
The following trays cannot be operated under [AUTO TRAY] but can be operated under [DESIGNATE TRAY].



- Trays made of transparent materials



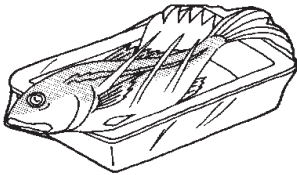
- Dark-blue trays



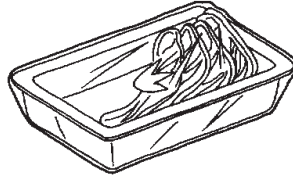
- Tray shape other than square or rectangular shape

#### ■ Filling trays

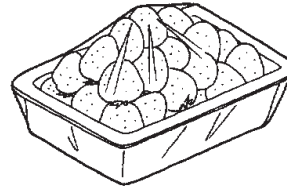
The quality of the wrapping depends greatly on the filling of the tray. To maintain stable wrapping, avoid filling like those examples below.



- Contents that do not fit the tray



- Lopsided contents



- Overfilled trays

#### ■ Usuable tray size

- Width 95 – 380mm
- Depth 80 – 260mm
- Height 10 – 70mm

#### ■ Trays not able to use the function [Auto-filling height]

The following trays cannot be operated under [AUTO FILLING HEIGHT] but can be operated under [SELECT MANUAL].

- Trays with high glossiness (silver trays etc.)
- Trays with transparent lids
- When film has been wrapped twice or three times over
- Where items are contained that have high glossiness

#### ⚠ CAUTION

- Although the usable tray dimensions are as above, trays of maximum allowable value (max. width 380mm by max. depth 260mm) or minimum allowable value (min. width 95mm by min. depth 80mm) cannot be used. Some trays may not be wrapped even if they are within the acceptable range depending on their shape, material or weight.
- Trays of over 50mm should be placed on the center of the weighing platter and not either to the left or right. If placed either to the left or right, the tray may not be detected.

### 1.3.2 FILM TYPES

Use the film whose outside diameter of the roll is 200 mm, which matches the tray width to be wrapped (width 250, 300, 350, 400, 450, 500, 533mm (21inch)). Use only ISHIDA-grade designated film.

#### ⚠ CAUTION

Use of film other than those designated by ISHIDA may result in wrapping failure. For details regarding film, contact your ISHIDA service representative.

# 1.4 DAILY MAINTENANCE

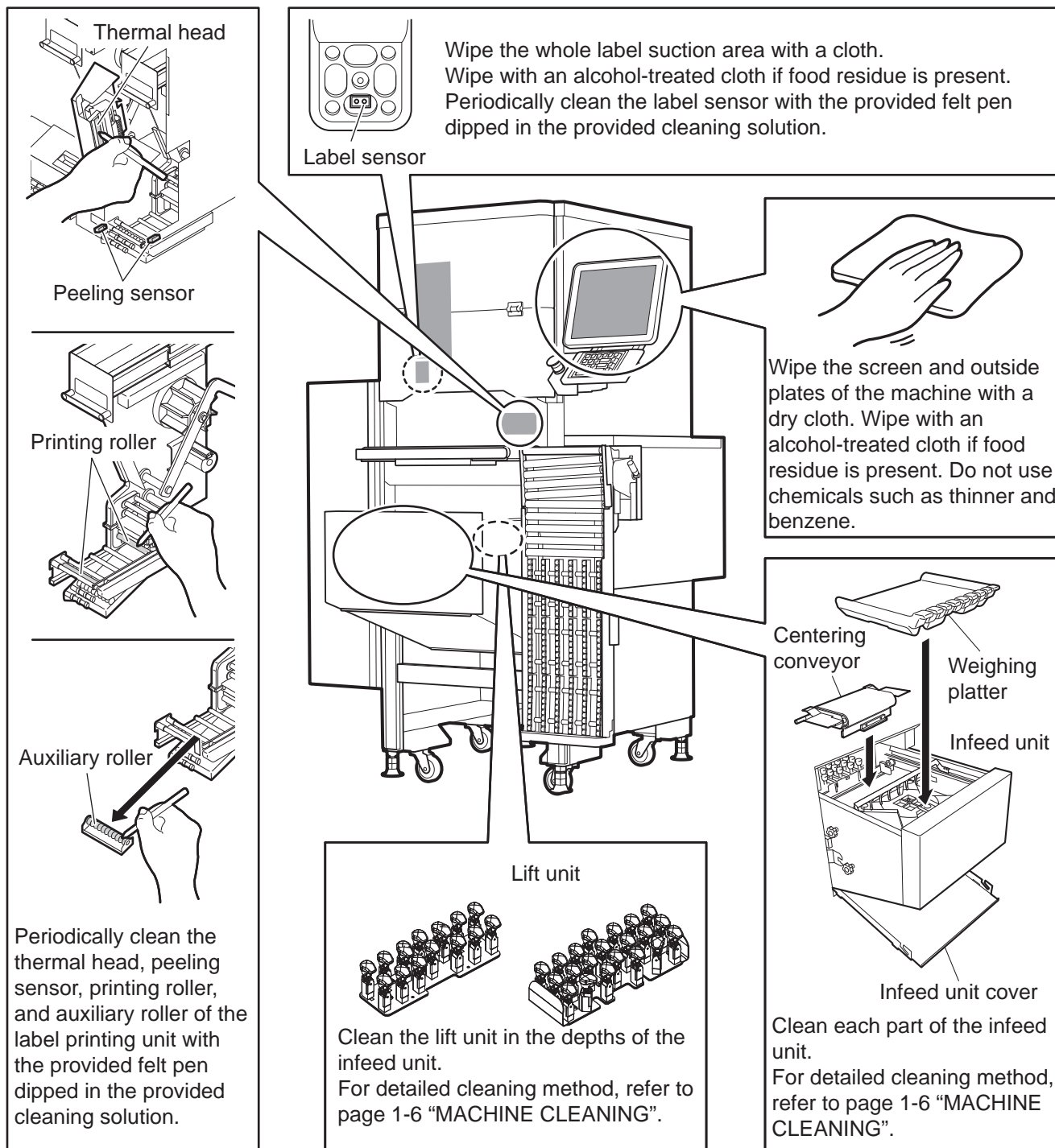


**CAUTION**

Make sure to turn the main power switch OFF when performing daily maintenance. Also, do not touch the discharge heaters directly by hand, as they will remain hot even after operation.

1

Daily maintenance is vital to prolonged machine use and to prevent trouble or failure. Keep the machine clean every day after work.



**CAUTION**

Lubrication of each drive unit with lubricating oil is not necessary. Also, do not apply water directly to the machine as it may be a cause of machine failure.

# 1.5 MACHINE CLEANING

This section will describe how to power-up the machine, the inspection methods for this machine prior to operation and a checking of its accessories.

## 1.5.1 PRECAUTIONS FOR CLEANING

To ensure the best condition for performing daily work, the following inspection items should always be checked before actual operation.

**CAUTION**

- Make sure to turn OFF the main power switch of the machine and only start cleaning after letting the machine sit for a while. Although main power has been shut off, the machine will remain hot.
- The person cleaning this machine should keep all long-hair up, wear a hat and wear appropriate clothing and shoes.
- Always wash your hands and wear hygienic gloves before starting cleaning work.
- Wet the cleaning cloth with a neutral detergent and wring it thoroughly before use.
- Spray alcohol (80% vol.) on the areas in direct contact with food or trays for sterilization.
- If the numeric keys are becoming dirty under use, use a numeric key cover and clean when appropriate.

## 1.5.2 DISASSEMBLY AND CLEANING

The cleaning of each part will be described by order of disassembly.

1. Touch [CLEANING] from the pop-up function [▲] on the screen.



The Cleaning Mode screen is displayed.



2. Touch [START] on the Cleaning Mode screen.



When Cleaning Mode is executed, the lift unit and right, left and rear wrapping plates move. The discharge pusher and left, right and rear planning plates are released and can be moved manually.

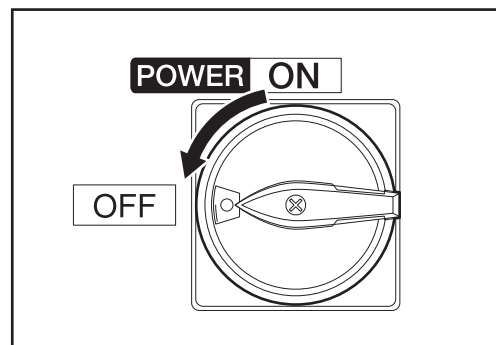


By touching [Return], you can return to the Production screen.

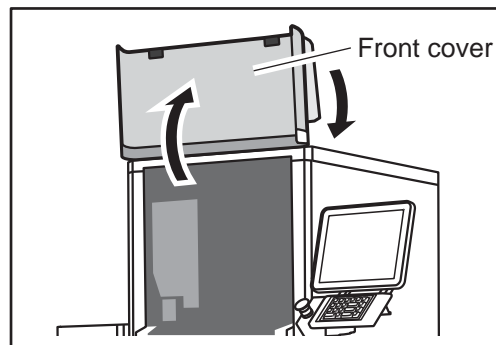
**⚠ WARNING**

The discharge heaters remain hot even after the main power switch has been turned OFF. Wait over 30 minutes for the heaters to cool down and check that they are sufficiently cool before starting cleaning.

- 3.** Turn OFF the main power switch which can be found on the left-side of the machine.



- 4.** Open the front cover.

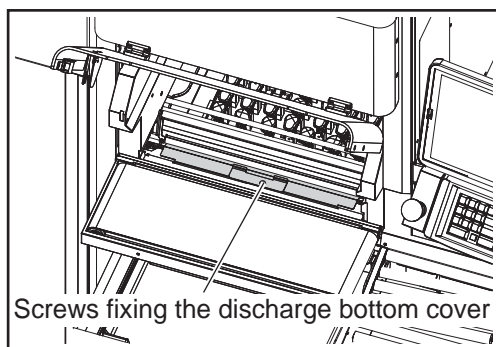


- 5.** Cleaning the discharge bottom cover and its underside.

Remove the discharge bottom cover and wipe-off any stains to each part with a cloth.

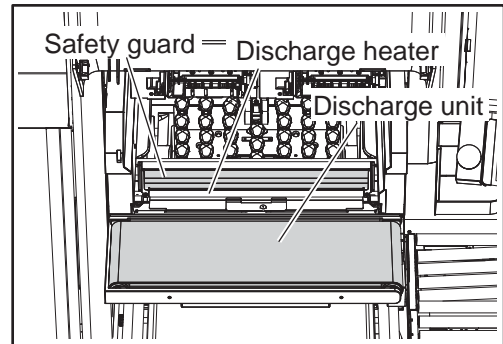
Wipe with an alcohol-treated cloth if food residue is present.

Once wiped-down, restore the discharge bottom cover to its original position.



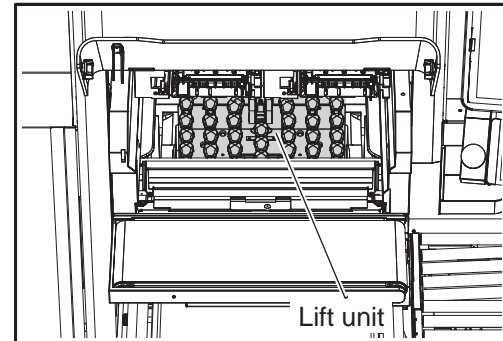
## 6. Cleaning the discharge unit and discharge heater.

The discharge heaters are located behind the safety guard. Wipe-off any stains to each part with a cloth. Wipe with an alcohol-treated cloth if food residue is present.



## 7. Cleaning the lift unit.

Rinse the detached lift unit with water. Spray alcohol on the lift detachable part.



**CAUTION**

When detaching the lift units, ensure that you do not bump the lift units into the surrounding parts.

**CAUTION**

If hard objects such as shells are stuck in the lift unit, the lift heads may be damaged. Always ensure they are removed.

**CAUTION**

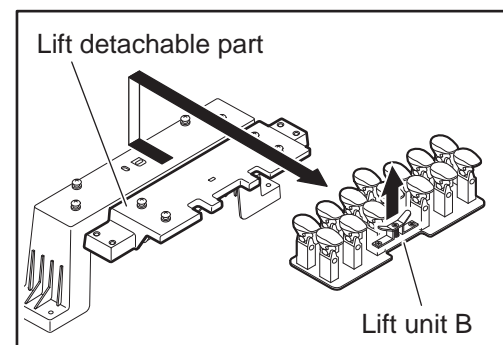
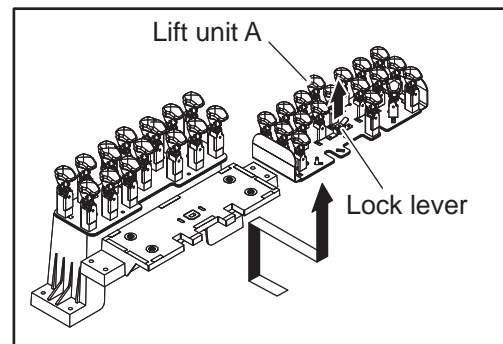
When detaching the lift unit, ensure that you do not touch the heaters as you may be burned.

**CAUTION**

Be careful not to bump your hand into the tray press when pulling out the discharge pusher.

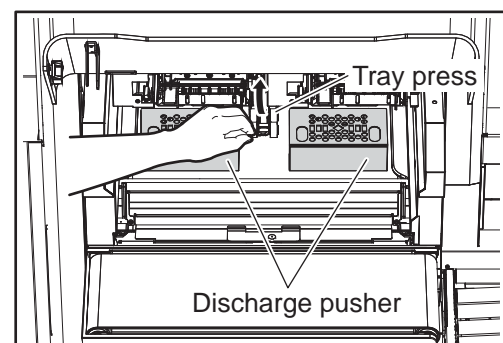
### Detaching the lift unit.

1. Detach lift unit A by pushing-up and releasing the lock lever following the direction of the arrow.
2. Detach lift unit B by pushing-up and releasing the lock lever following the direction of the arrow.



## 8. Cleaning the Tray Press and Discharge Pusher.

Wipe-off any stains to each part with a cloth. Raise the tray press and pull the discharge pusher to the front of the safety guard to clean the top and front side using the cloth. Wipe with an alcohol-treated cloth if food residue is present.



**CAUTION**

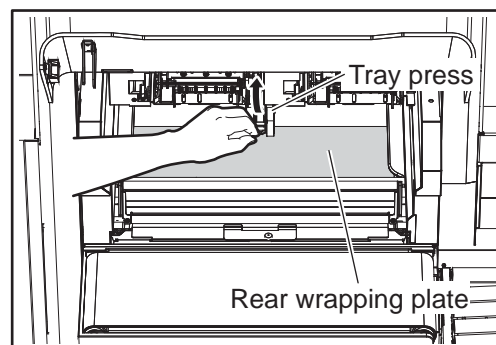
Be careful not to bump your hand into the tray press when pulling out the rear wrapping plate. Also, be careful not to get your hand caught when moving the rear wrapping plate and discharge pusher back to their original positions.

**CAUTION**

Be careful not to bump your hand into the tray press when pulling out the left and right wrapping plates. Also, be careful not to get your hand caught when moving the left and right wrapping plates back to their original positions.

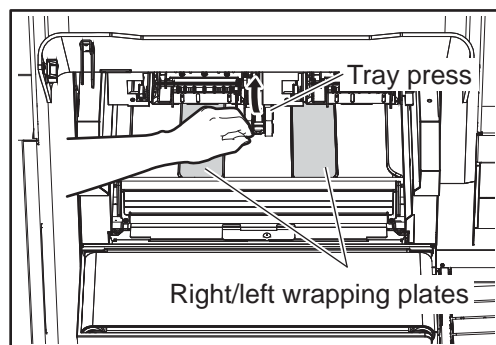
## 9. Cleaning the Rear Wrapping Plate.

Raise the tray press and pull the rear wrapping plate to the front and wipe any stains using the cloth. Wipe with an alcohol-treated cloth if food residue is present. Once wiped-down, restore the rear wrapping plate to its original position.



## 10. Cleaning the Left and Right Wrapping Plates.

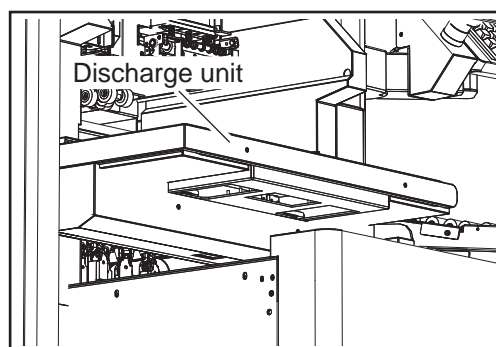
Raise the tray press and pull the rear wrapping plate inwards and wipe any stains using the cloth. Wipe with an alcohol-treated cloth if food residue is present. Once wiped-down, restore the left and right wrapping plates to their original positions.



## 11. Cleaning the underside of the Discharge unit.

Raise the discharge unit and clean the underside of the discharge unit using the provided cleaning brush.

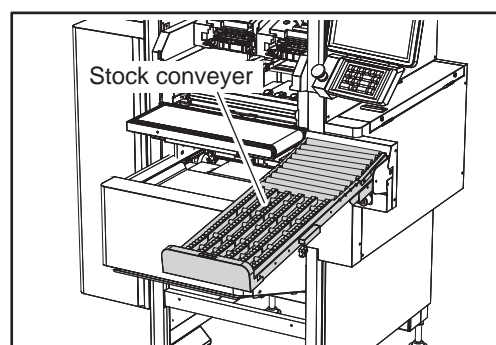
After cleaning, move the discharge unit back to its original position.



## 12. Clean the stock conveyer.

Wipe any stains with a cloth. Wipe with an alcohol-treated cloth if food residue is present.

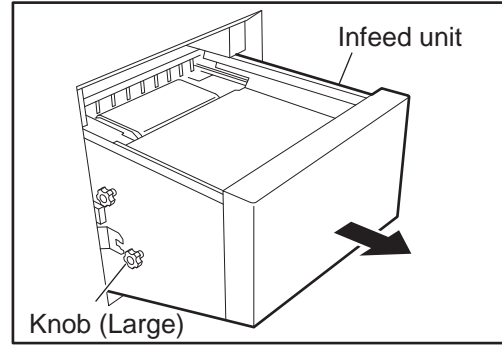
After cleaning, move the stock conveyer back to its original position.





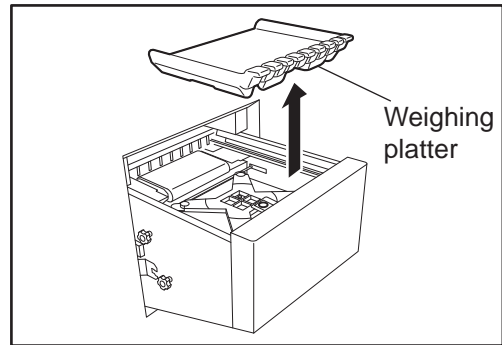
## 13. Pull-out the Infeed unit.

Loosen the side knobs on each side of the infeed unit (left and right-side) and pull forward.



## 14. Cleaning the weighing platter.

Detach the weighing platter from the upper side of the infeed unit and rinse with water.



### **CAUTION**

Do not rinse the centering conveyor with water.

## 15. Cleaning the Centering Conveyor.

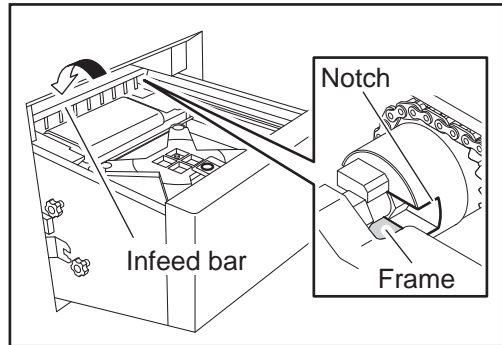
Rotate the belt section of the centering conveyor and wipe any stains with the cloth.

Wipe with an alcohol-treated cloth if food residue is present.

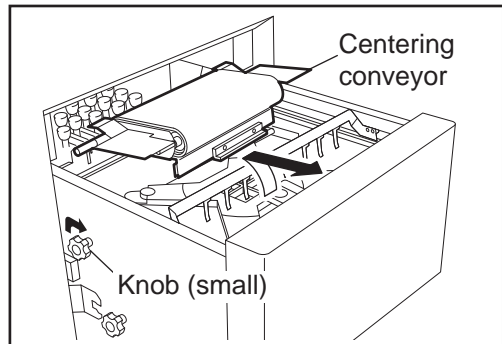
If the reverse side of the belt section is dirty, spray with alcohol.

### Detaching the Centering Conveyor

1. Push the infeed bar out of the way and rotate the infeed unit roller until the notch and frame are in parallel.



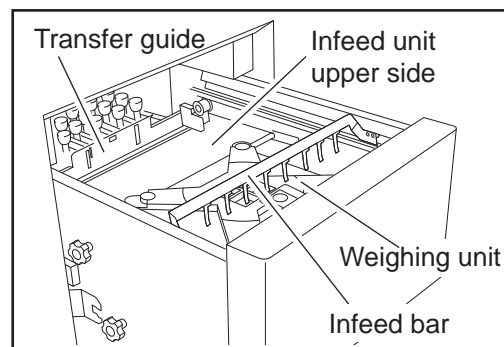
2. Loosen the side knobs on each side of the infeed unit (left and right-side) to pull the infeed unit to the front. Detach the centering conveyor.



## 16. Cleaning the upper surface of the infeed unit, the transfer guide, the weighing unit and the infeed bar.

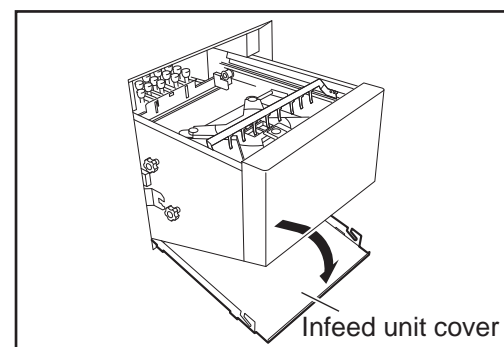
Wipe off any stains on each part with the cloth.  
Wipe with an alcohol-treated cloth if food residue is present.

Push the infeed bar to move and clean all three infeed bars.



## 17. Cleaning the Infeed unit cover.

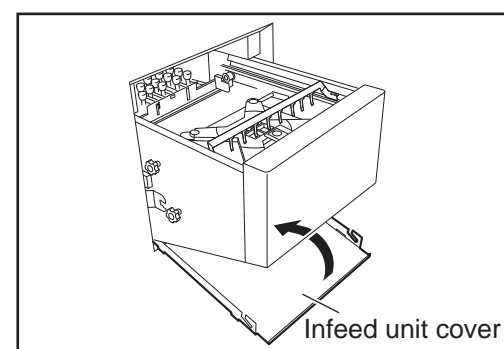
Open the infeed unit cover by sliding it forward. Wipe the inside of the cover with the cloth. Wipe with an alcohol-treated cloth if food residue is present.



### 1.5.3 ASSEMBLY

The assembly procedures of each part will be described following the cleaning.

#### 1. Close the infeed unit cover.



**CAUTION**

After rinsing with water, thoroughly dry the lift unit before attachment.

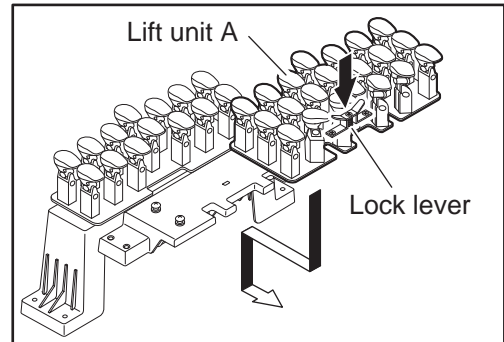
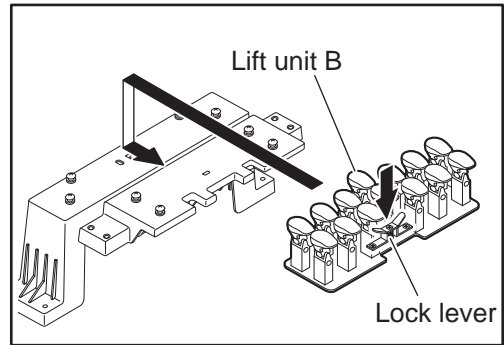
**CAUTION**

Make sure you do not bump the lift unit into the surrounding parts.

## 2. Attach the lift unit.

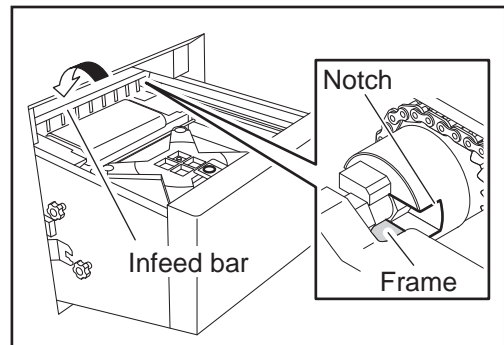
1. Insert lift unit B until the lock lever clinches.  
Confirm that lift unit B is properly fixed by moving it back and forth and left and right.
2. Insert lift unit A until the lock lever clinches.  
Similar to lift unit B, confirm that lift unit A is properly fixed.

Spray alcohol over the newly attached areas.

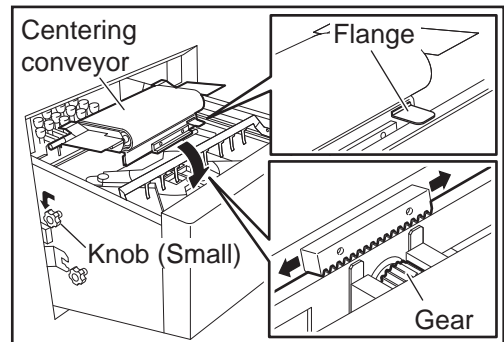


## 3. Mounting the Centering Conveyor

1. Confirm that the notch of the infeed unit roller and frame are in parallel.



2. Insert the centering conveyor axis into the notches to the left and right. Make sure that the flange of the centering conveyor is lying on the infeed bar shaft before lowering and then fixing the knobs.  
Confirm that the gears are in-sync before returning the infeed bar to its original position above the centering conveyor.

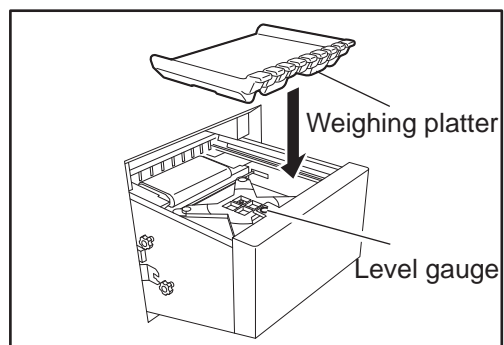


**CAUTION**

After rinsing with water, thoroughly dry the weighing platter before mounting.

## 4. Mount the weighing platter.

- Mount the weighing platter so that the upper surface of the weighing platter is the same height as the belt surface of the centering conveyor.  
Spray alcohol on the newly mounted areas.

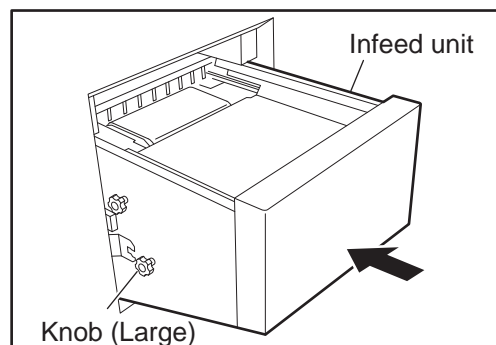


**CAUTION**

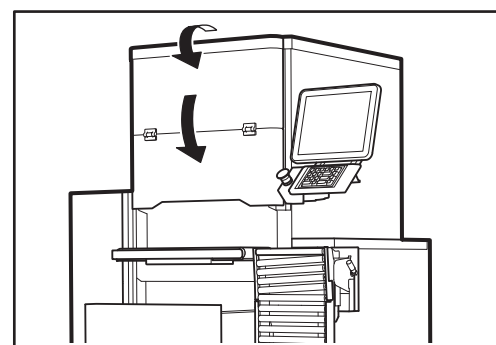
When fixing in place the infeed unit, ensure that the infeed bar has been pushed to its innermost position.

**5. Return the Infeed unit to its original position.**

Move the infeed bar in the direction of the arrow and fasten it with the knobs on either side of the Infeed unit.



**6. Close the front cover.**



**1.5.4 OPERATION CHECK**

This section will describe the operation check procedures after concluding cleaning.

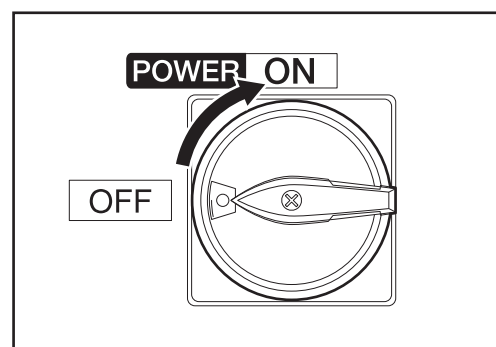
**WARNING**

Parts such as the fan and applicator arm will start to suddenly move when the main power switch is turned ON. Do not place your hand inside the machine while the main power switch is turned ON. Also, do not touch the machine with wet hands as it may result in an electric shock.

**1. Turn ON the Main Power Switch found on the left-side of the unit.**

The touch panel should display the "Confirm the return to original position" screen.

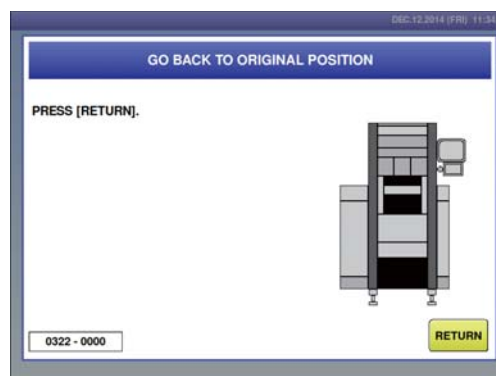
It should take about one minute until this display is shown.



**2. Touch [RETURN] as displayed on the "Go Back to Original Position" screen.**



The conveyor and lift unit will return to their original positions and the initial screen will be displayed. After this, the time confirmation screen will be displayed. By touching [CONFIRM], the production screen will be displayed.



**WARNING**

As the discharge heater unit will become very hot, this may be a cause of burns. Make sure that hands and clothes do not come into contact with the unit.

**WARNING**

Do not put your hand into the wrapping unit while it is performing a return to original position.

---

**3. Press the [ZERO] stroke key.**



Zero adjustment of the weighing unit is performed and "ZERO" is displayed in the zero indication field following adjustment.

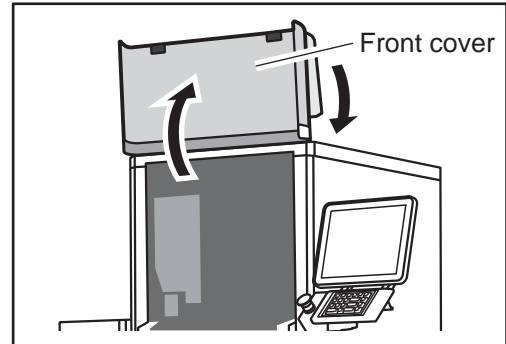
---

**4. Performing a weighing check.**

Though dependent on the usage frequency of the machine, perform a start-up inspection using the provided test weight once a day.

---

**5. Open the front cover.**



---

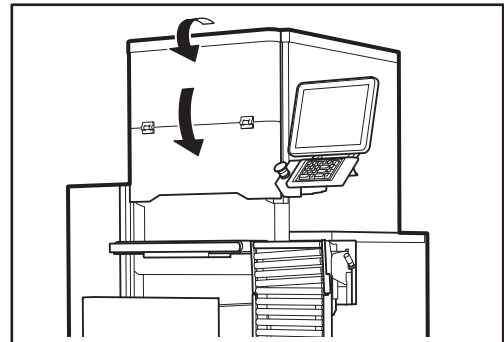
**6. Press the [FEED] stroke key.**



One label is issued.

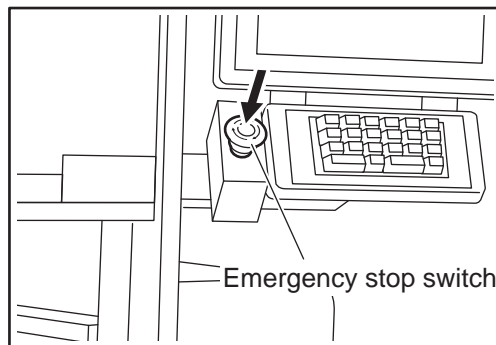
---

**7. Close the front cover.**



---

**8.** Press the Emergency Stop Switch on the front panel.



**1**

---

**9.** Clean any litter on the floor with a mop.

---

**10.** Release the emergency stop switch.



# 1.6 OPERATION START/END

This section will describe the procedures for starting and ending operation of the wrapping unit.

## 1.6.1 STARTING OPERATION

**⚠ WARNING**

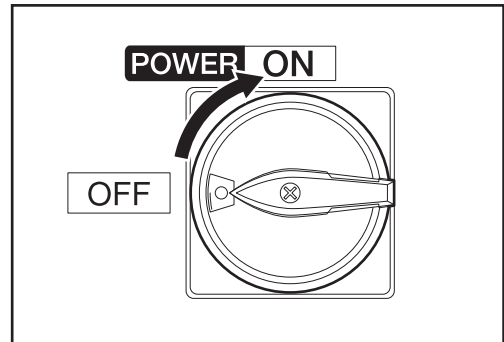
Parts such as the fan and applicator arm will start to suddenly move when the main power switch is turned ON. Do not place your hand inside the machine while the main power switch is turned ON. Also, do not touch the machine with wet hands as it may result in an electric shock.

- 1. Confirm that nothing remains on the weighing platter or in the wrapping unit.**

- 2. Turn ON the main power switch on the left-side of the unit.**

The touch panel should display the "Confirm the return to original position" screen.

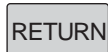
After about one minute, the "Confirm the return to original position" screen is displayed.



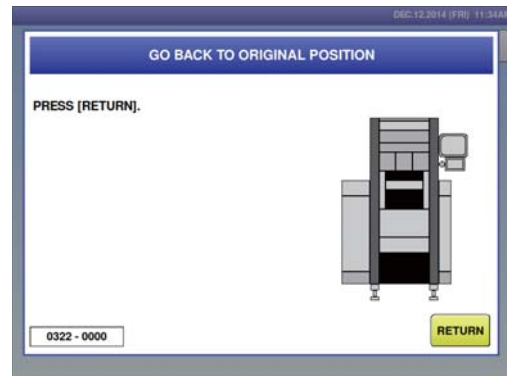
**⚠ WARNING**

As the discharge heater unit will become very hot, this may be a cause of burns. Make sure that hands and clothes do not come into contact with the unit.

- 3. Touch the Return button on this screen.**



The conveyor and lift unit will return to their original positions and the initial screen will be displayed. After this, the time confirmation screen will be displayed.



**⚠ WARNING**

Do not put your hand into the wrapping unit while it is performing a return to original position.

## 1.7 FILM LOADING

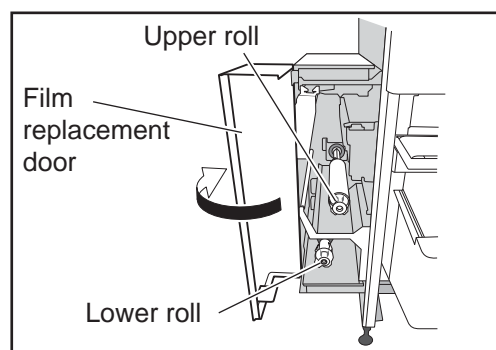
This section will describe the procedures for film loading. Fully understand the procedure before loading.

### 1. Touch [FILM SET] under the normal screen.

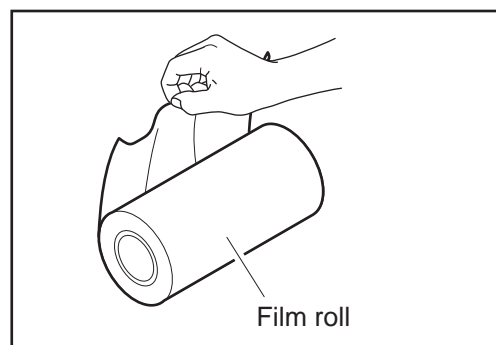


### 2. Open the film replacement cover.

Film feeding consists of two film rolls, an upper roll and a lower roll. The procedure for the two rolls is a little different. Use caution when loading.



### 3. Peel the edge of the film.



#### CAUTION

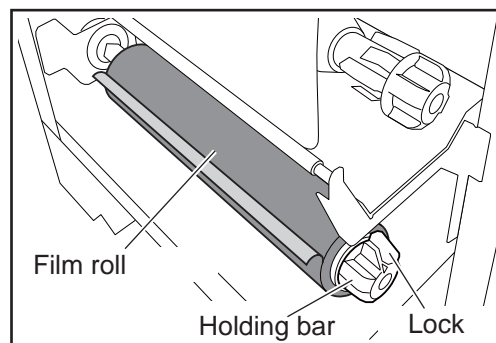
Ensure that the film roll is loaded in the correct direction. If it is not, this may be a cause of wrapping failure.



To unload the film roll, hold down the lock while pulling to remove the film roll.

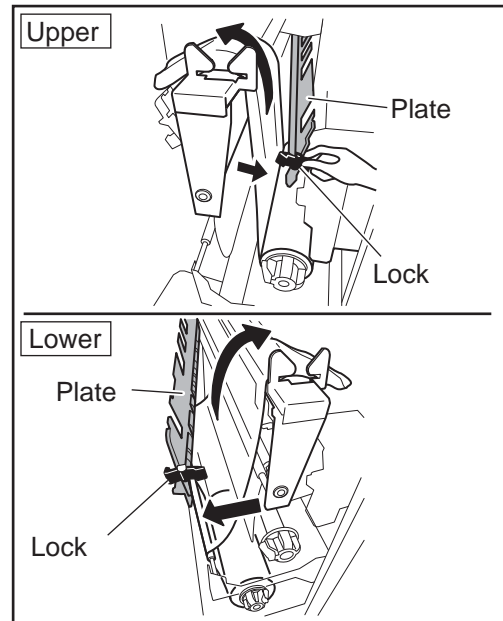
### 4. Load the film roll on the holding bar.

Insert the roll until it clicks.



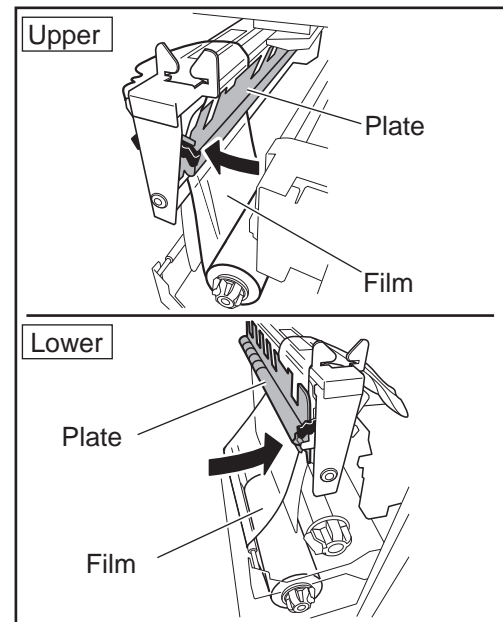


**5. Release the lock and open the plate.**



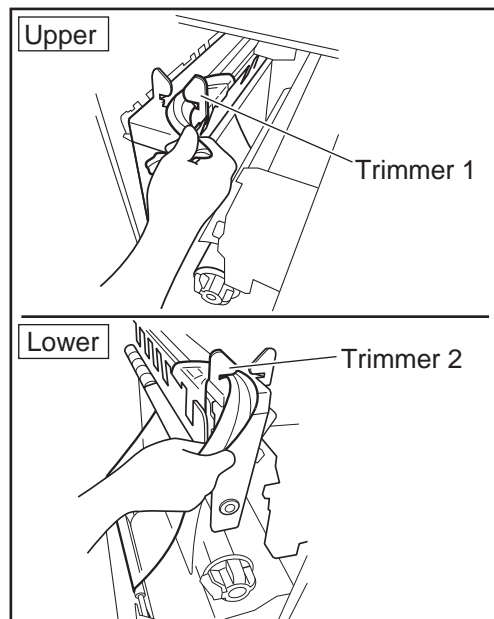
**6. Set the film and close the plate.**

Ensure that the plate is properly closed by inserting it until it clicks.



## 7. Cutting extraneous film using the Trimmer.

Use trimmer 1 for the upper roll and trimmer 2 for the lower roll.

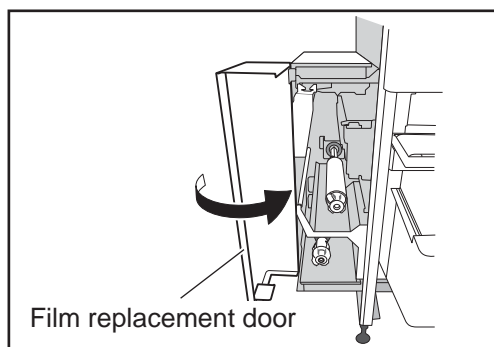


### CAUTION

This operation will not occur when the emergency stop switch has been pressed. Upon release of the emergency stop switch, touch [FILM SET] on the screen displayed.

## 8. Close the film replacement door.

The film is automatically fed into the wrapping area. Once film feeding has concluded, a message depicting film feed end will be displayed on the screen.

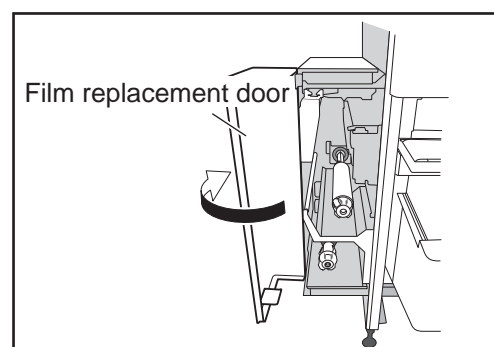


### WARNING

Ensure you do not touch the cutter section with your hands as this may result in injury.

## 9. Open the film replacement door and remove the fed film.

Make sure you do not rip the film.



## 10. Open the film replacement door and remove the fed film.

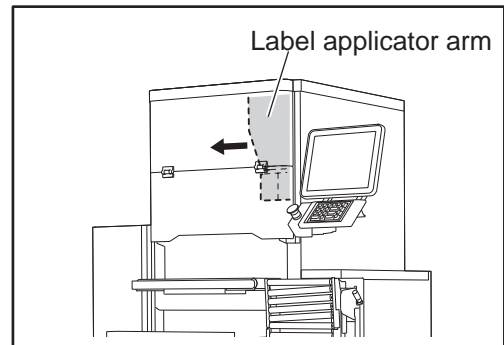
## 1.8 LABEL SETTING

This section describes the procedures for label setting. Fully understand the procedure before setting.

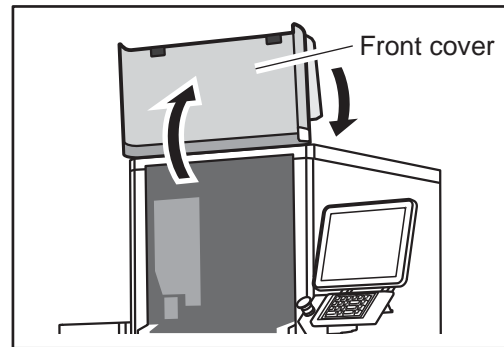
### ⚠ CAUTION

Movement of the label applicator arm should be performed by touching the function key [LABEL CHANGE]. Moving the applicator by force may cause the shaft to deform.

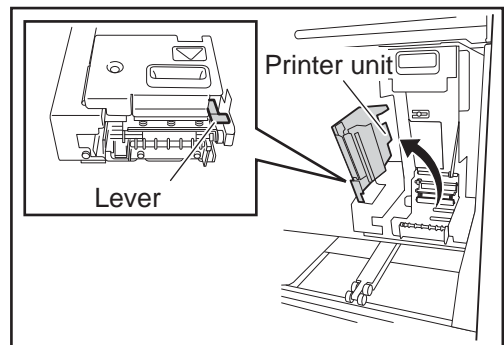
- 1. If the label applicator arm is in front of the label printer, the arm should be moved to the side.**



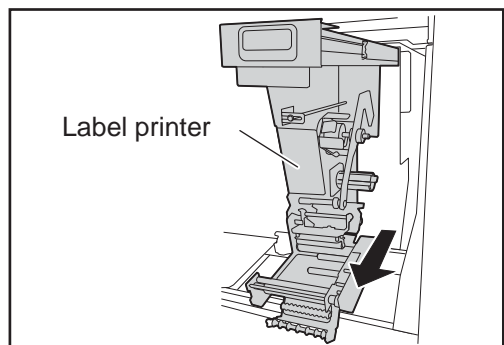
- 2. Open the front cover.**



- 3. Lift the lever to open the printing area.**

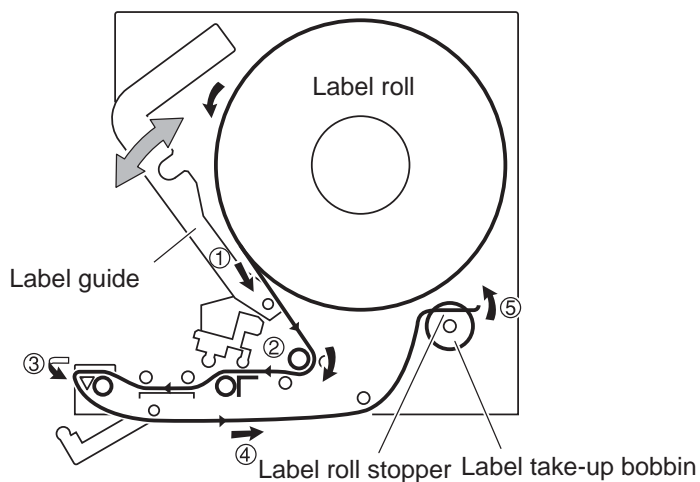


- 4. Pull the printer forwards.**

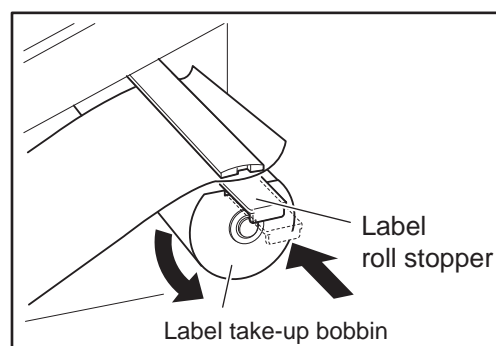


## 5. Thread the label paper.

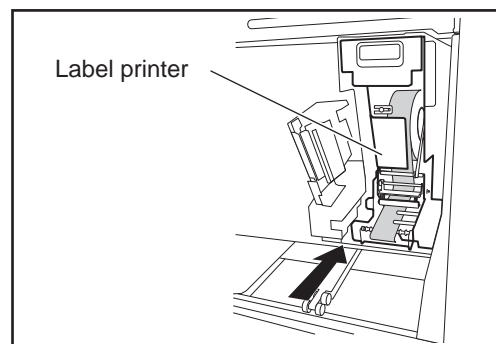
Thread the label paper from 1 to 5 in the order described in the figure below.



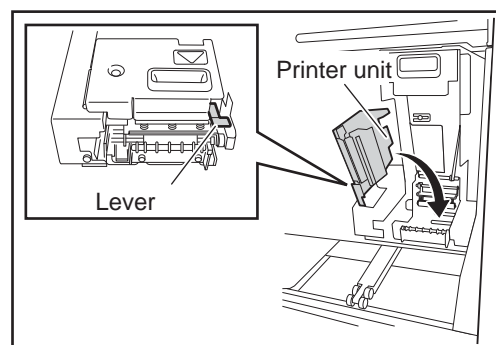
## 6. Fix the edge of the backing paper with the stopper and rotate the label take-up bobbin slightly anticlockwise until the label slack is taken up.



## 7. Move the printer unit back to its original position.



## 8. Close the printer unit.





When using two label printers, perform feeding of the second label printer as follows.



---

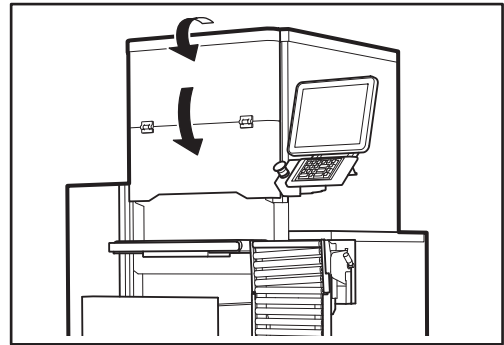
**9. Keep touching [FEED] until a label is fed to the printing area.**



Confirm that the backing paper is taken up smoothly. If it has been taken up skewed, reconfirm that the label paper is being correctly threaded through and that the label is being held in the correct position by the stopper.

---

**10. Close the front cover.**



## 1.9 TRAY STOCK FUNCTION

This machine can switch ON/OFF of the tray stock function by folding the stock conveyor.

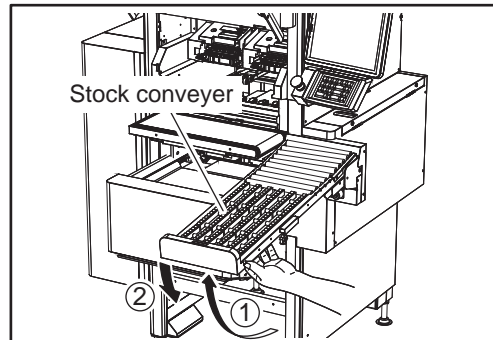
### 1.9.1 USING THE STOCK CONVEYER / ENABLING THE TRAY STOCK FUNCTION

#### CAUTION

Be careful not to bump your hand when setting the stock conveyor.

#### 1. Set the stock conveyor at the normal position.

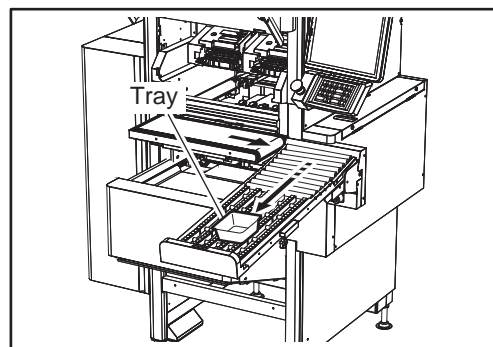
Lift the stock conveyor slowly as high as possible, and lower it to the place where it can be fixed.



Be careful not to bump your hand when setting the stock conveyor.

When the stock conveyor is filled with trays, the sensor detects the tray, stops discharging it, and displays an error screen.

#### 2. The tray discharged from the wrapping unit will be transported to the stock conveyor via the discharge conveyor.



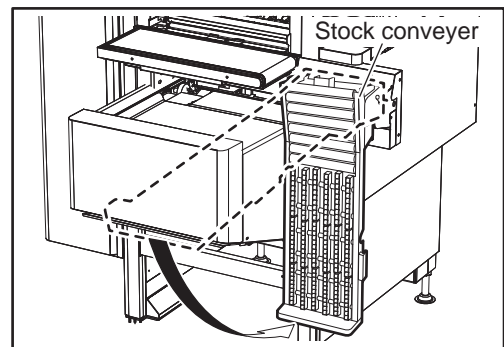
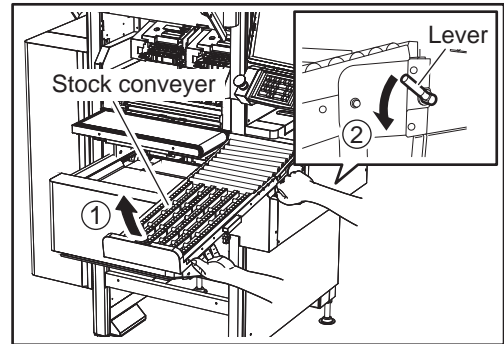
## 1.9.2 NOT USING THE STOCK CONVEYER / DISABLING THE TRACE STOCK FUNCTION

**CAUTION**

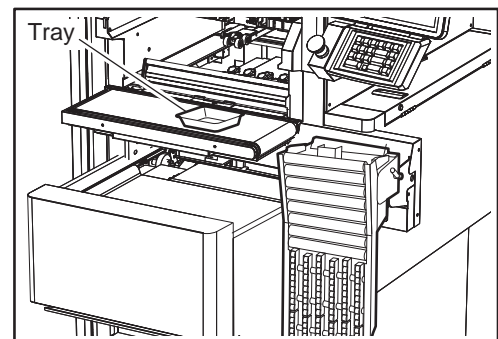
Be careful not to bump your hand when folding the stock conveyer.

### 1. Fold the stock conveyer.

Lift the stock conveyer to unlock the lever and fold the stock conveyer.

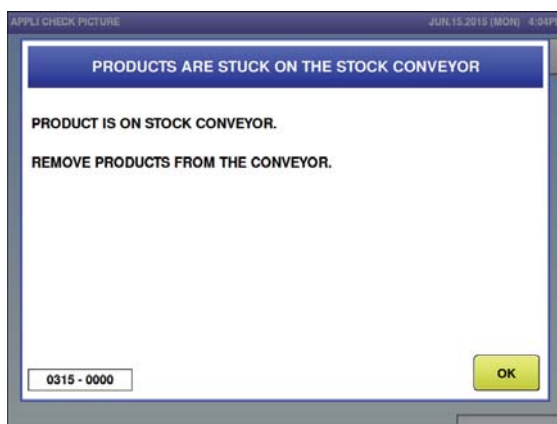


### 2. The tray discharged from the wrapping unit will be stopped on the discharge conveyor.



### 1.9.3 DISABLING THE FUNCTION TO RELEASE ERRORS

When the stock conveyor is filled with trays, the sensor detects the tray, stops discharging it, and displays an error message on the screen.



If an error occurs, remove the commodity item on the stock conveyor and touch [OK].

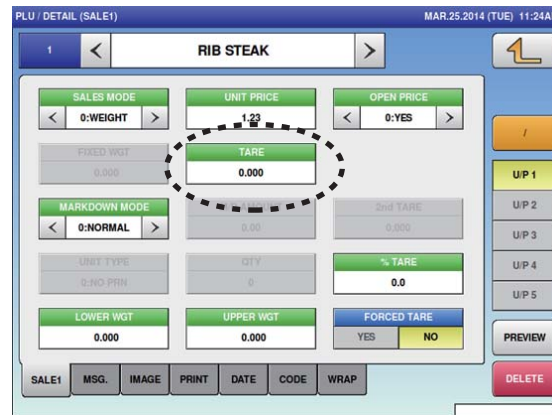
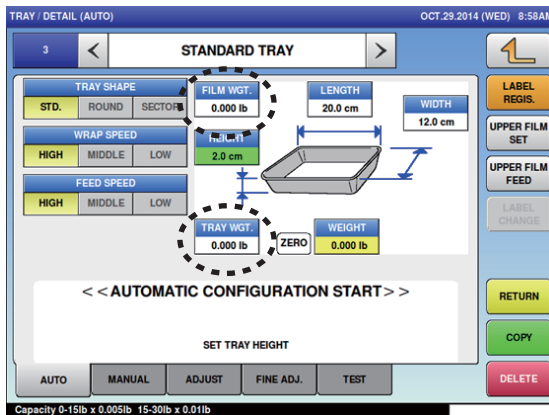


# 1.10 DEFINITION OF TARE WEIGHT

## What is Tare Weight?

The gross weight of a pack item is composed of the net weight of the item, and the weight of decorative ornaments effective for promoting the deliciousness of food, the weight of seasoning such as soy sauces that are attached to the item, and the weight of the film and tray. All weights other than the net weight of the item is collectively called tare weight.

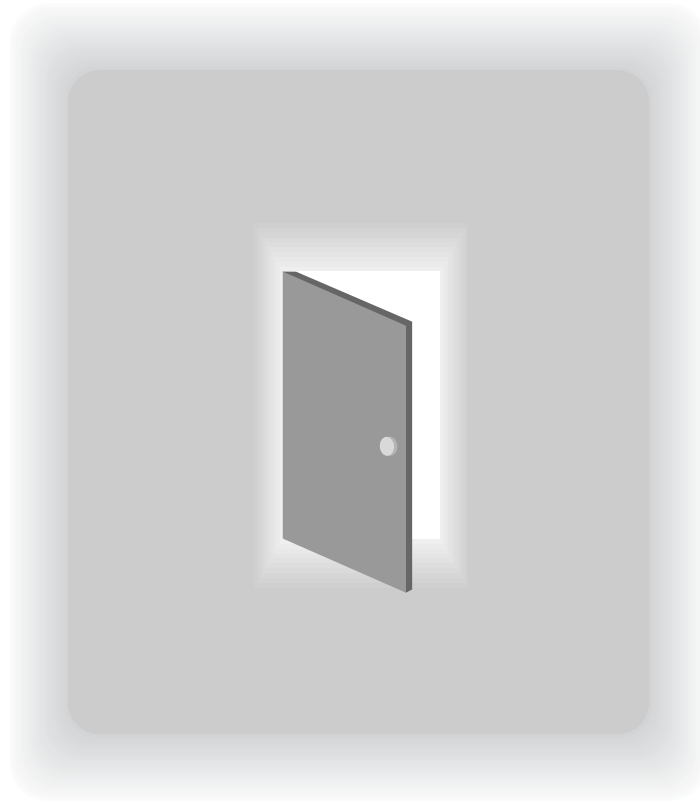
In order to calculate the net weight of the item, this machine handles the tare weight as follows. The gross tare weight will be displayed when the item is called on the normal screen.



- Even when the tray size has been changed for the same PLU item, the net weight can be automatically calculated by registering the tare data in two locations.
- The displayed tare weight is different for when the Wrap/Price is selected and for when the Price is selected.

PRN MODE  
W/L → Tare weight = Tray weight + Insert weight

PRN MODE  
LABEL → Tare weight = Gross tare weight = (Tray weight + Film weight) + Insert weight



## **CHAPTER 2**

# **BASIC OPERATIONS**

## 2.1 EXPLANATION OF PRODUCTION MODE SCREEN

### 2.1.1 DISPLAY FIELDS ON THE INITIAL SCREEN

#### ■ SCREEN FOR WEIGHING ITEMS

The screenshot shows the weighing interface for 'RIB STEAK'. The top status bar displays 'PREPACK / PLU 1' and the date 'JA.15.2015 (THU) 4:37'. The main display shows 'RIB STEAK' with a 'ZERO' indicator. Below this, a table shows 'TARE' (kg) at 0.000, 'WEIGHT' (kg) at 0.000, 'UNIT PRICE' (\$/kg) at 1.23, and 'TOTAL PRICE' (\$) at 0.00. The interface includes sections for 'MEMO', 'PACK DATE' (JA.15.2015), 'SELL BY DATE' (JA.16.2015), a price list table, and a right-hand menu with options like 'IMAGE 1', 'POP', 'EXTRA1', 'INGREDIENT', 'EXTRA3', and 'PRN MODE'. A bottom bar contains 'PRN MD' (AUTO), 'TOTAL' (ADD), 'FEED SPD', 'WF SPD', 'TRAY', 'CALC', and 'RETURN' buttons.

Labels and their corresponding fields:

- Zero:** "ZERO" is displayed when the zero point adjustment of the weighing unit is performed.
- Tare:** 0.000
- Weight:** 0.000
- Item name:** RIB STEAK
- Unit price:** 1.23
- Total price:** 0.00
- Internal clock:** JA.15.2015 (THU) 4:37
- Image 1 number:** 0
- POP number:** 0
- Extra message 1 number:** 0
- Ingredient number:** 0
- Extra message 3 number:** 0
- Print mode:** PEEL
- Displays the wrapping mode:** PEEL (button)
- Tray name:** PACK
- Markdown price:** 0.00
- Pack date:** JA.15.2015
- Sell by date:** JA.16.2015
- Tray number:** 1
- Symbol:** \$
- Price list:** \$ 1.23
- Expiry date:** (related to sell by date)

#### ■ SCREEN FOR FIXED PRICE ITEMS

The screenshot shows the fixed price interface for 'RIB STEAK'. The top status bar is the same as the weighing screen. The main display shows 'RIB STEAK' with a '1' indicator. Below this, a table shows 'PCS' (quantity per package) at 1, 'MANUAL WT' (kg) at 0.000, 'FIXED PRICE' (\$) at 1.23, and 'TOTAL PRICE' (\$) at 1.23. The interface includes sections for 'MEMO', 'PACK DATE' (JA.15.2015), 'SELL BY DATE' (JA.16.2015), a price list table, and a right-hand menu with options like 'IMAGE 1', 'POP', 'EXTRA1', 'INGREDIENT', 'EXTRA3', and 'PRN MODE'. A bottom bar contains 'PRN MD' (AUTO), 'TOTAL' (ADD), 'FEED SPD', 'WF SPD', 'TRAY', 'CALC', and 'RETURN' buttons.

Labels and their corresponding fields:

- Quantity per package:** 1
- Fixed weight:** 0.000
- Fixed price:** 1.23
- Total price:** 1.23

## 2.1.2 TOUCH KEYS ON THE INITIAL SCREEN

### SCREEN FOR WEIGHING ITEMS

When touched, the production (item detail information) screen is displayed. (See page 3-20)

The main menu screen is displayed.

Displays the zero state of the weighing unit.

Displays the memo preset item screen.

Main function keys For "Useful Features of Function Keys", see page 3-22.

When touched after numerical entry, the data can be changed. When touched without any numerical entry, the pack/expiry date & time setting screen is displayed.

Numeric function keys For "Useful Features of Function Keys", see page 3-22.

Displays the subtotal of production.

You can change the data by touching this button after numerical entry. When touched without any numerical entry, the tray list screen is displayed. (See page 3-12)

You can change the data by touching this button after numerical entry. When touched without any numerical entry, the markdown price input screen is displayed.

TARE	kg	WEIGHT	kg	UNIT PRICE	\$/kg	TOTAL PRICE	\$
0.000		0.000		1.23		0.00	

### SCREEN FOR FIXED PRICE ITEMS

You can change the data by touching this button after numerical entry. When touched without any numerical entry, the fixed price symbol list screen is displayed.

You can change the data by touching this button after numerical entry. When touched without any numerical entry, the upper/lower weight limit screen is displayed.

You can change the data by touching this button after numerical entry. When touched without any numerical entry, whether print these filed or not screen is displayed.

The issuing mode can be switched. (Issue of peeled-off label / Issue with backing paper)

PCS	MANUAL WT	kg	FIXED PRICE	\$/	TOTAL PRICE	\$/
1			1.23		1.23	

## 2.2 WEIGHING, WRAPPING AND LABELLING

Not only can the WM-Ai perform weighing, wrapping, and labeling tasks but can also perform these independent tasks for a specific Commodity item.

### 2.2.1 WEIGHING, WRAPPING, AND LABELING

Example: Perform weighing, wrapping and the automatic labeling for “SLICED BEEF” registered as Commodity item call-up number 5.

**CAUTION**

Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

- From the initial screen, enter the call-up number for the commodity item.



Commodity item data such as the item name “SLICED BEEF” and unit price will be displayed on the screen. Confirm its pricing conditions such as price and place of origin.



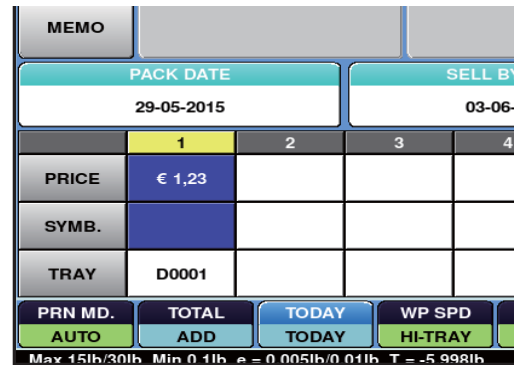
**CAUTION**

When using a transparent, dark blue or an odd-shaped tray, select the tray from the tray field of the price table, and touch the main function key [AUTO TRAY] to change the mode to [DESIGNATE TRAY].

- Changing the wrapping mode display to [W/L].



Each time the function key is touched, the mode will switch in the order of [W/L]→[LABEL]→[WRAP] and back to [W/L].



**CAUTION**

If the tray to be used is not listed in the table, enter the tray call-up number into the table.



Touch the blank field.

**4. Confirm that the tray call-up number to be used for labeling is registered in the price table.**

This operation is only required before the tray to be used is determined. Any following operation does not require being conscious of the tray call-up number.

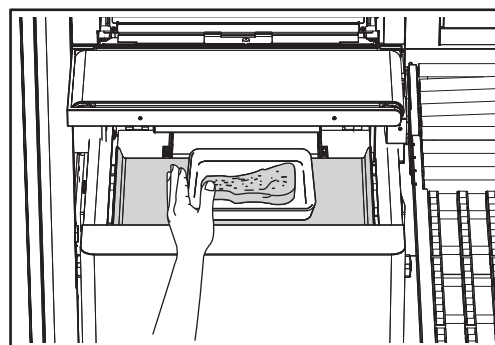
PACK DATE		SELL BY DATE			
APR.22.2014		APR.24.2014			
	1	2	3	4	
PRICE	\$ 3.58				
SYMB.	1				
TRAY	D0002				
PRN	TOTAL	FEED SPD	WP SPD	TRAY	
AUTO	ADD	HI-TRAY	HI-TRAY	AUTO	
Capacity 0-6kg x 0.002kg 6-15kg x 0.005kg					

2

**NOTE**

Make sure that the tray is placed in the center of the weighing platter. The tray may not be recognized correctly if it is not placed at the center.

**5. Place a Commodity item filled in the tray at the center-front of the weighing platter.**



**WARNING**

Once the commodity item is placed on the weighing platter, do not touch it with your hand.

With the commodity item in place, the infeed bar of the infeed unit will automatically start to move and your hand may be caught in it.

**6. Place successive Commodity items through the machine.**

Weighed, wrapped and labelled Commodity items will be discharged by the machine.

## 2.2.2 WRAPPING ONLY

Example: Perform wrapping only for “SLICED BEEF” registered as Commodity item call-up number 5.

### CAUTION

Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

### CAUTION

When using a transparent, dark blue or an odd-shaped tray, select the tray from the tray field of the price table, and touch the main function key [AUTO TRAY] to change the mode to [DESIGNATE TRAY].

### NOTE

Make sure that the tray is placed in the center of the weighing platter. The tray may not be recognized correctly if it is not placed at the center.

### WARNING

Once the commodity item is placed on the weighing platter, do not touch it with your hand. If you insert your hand into the infeed unit after placing the commodity item on the weighing platter, the infeed bar will automatically start to move and your hand may be caught in it.

- From the initial screen, enter the call-up number for the commodity item.



Commodity item data such as the item name “SLICED BEEF” and unit price will be displayed on the screen.



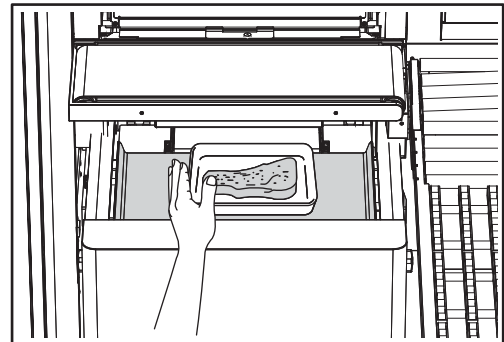
- Changing the wrapping mode display to [W/L].



Each time the function key is touched, the mode will switch in the order of [W/L]→[LABEL]→[WRAP] and back to [W/L].



- Place a Commodity item filled in the tray at the center-front of the weighing platter.



- Place successive Commodity items through the machine.

Weighed, wrapped and labelled Commodity items will be discharged by the machine.

## 2.2.3 LABELING ONLY (MANUAL)

Example: Perform manual labeling only for “SLICED BEEF” registered as PLU call-up number 5.

### CAUTION

Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

**1. From the initial screen, enter the call-up number for the commodity item.**

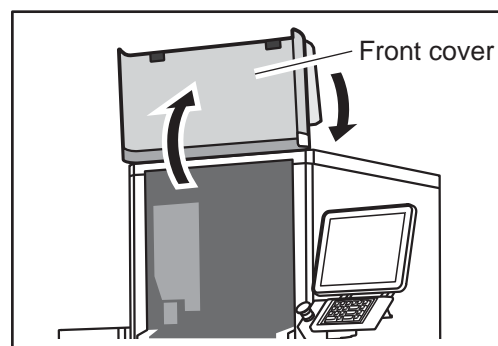


Commodity item data such as the item name “SLICED BEEF” and unit price will be displayed on the screen.



**2. Open the front cover.**

By opening the front cover, the wrapping mode will automatically switch to [PRICE].



### CAUTION

If the tray to be used is not listed in the table, enter the tray call-up number into the table.

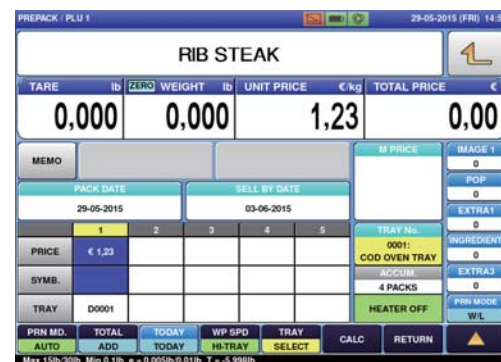


Touch the blank field.

**3. Specify the tray to be used for tare weight subtraction.**



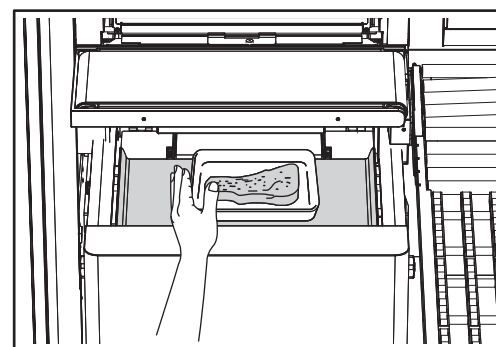
Confirm its pricing conditions such as price and place of origin.



**4. Place a pre-wrapped commodity item on to the weighing platter.**

The commodity item is weighed and the label is issued.

Manually stick the issued label to the commodity item picked up from the weighing platter.





## 2.2.4 LABELING ONLY (AUTOMATIC)

Example: Perform automatic wrapping only for "SLICED BEEF" registered as Commodity item call-up number 5.

### CAUTION

Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

- From the initial screen, enter the call-up number for the commodity item.



Commodity item data such as the item name "SLICED BEEF" and unit price will be displayed on the screen.

Confirm its pricing conditions such as price and place of origin.



### CAUTION

When using a transparent, dark blue or an odd-shaped tray, select the tray from the tray field of the price table, and touch the main function key [AUTO TRAY] to change the mode to [DESIGNATE TRAY].

- Switch the wrapping mode display to [PRICE].



By touching the displayed button, the mode will switch in the order of [WRAP/PRICE] → [PRICE] → [WRAP] and back to [WRAP/PRICE].



**CAUTION**

If the tray to be used is not listed in the table, enter the tray call-up number into the table.



Touch the blank field.

**NOTE**

Make sure that the tray is placed in the center of the weighing platter. The tray may not be recognized correctly if it is not placed at the center.

**WARNING**

Once the commodity item is placed on the weighing platter, do not touch it with your hand.

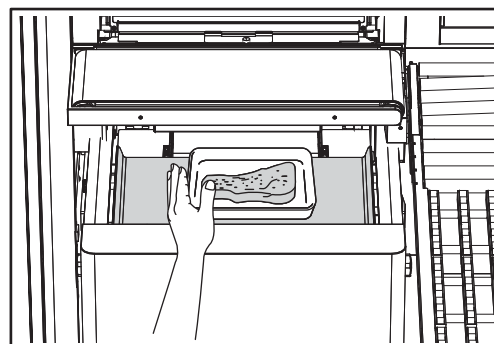
With the commodity item in place, the infed bar of the infed unit will automatically start to move and your hand may be caught in it.

**4. Confirm that the tray call-up number to be used is registered in the price table.**

This operation is only required before the tray to be used is determined. Any following operation does not require being conscious of the tray call-up number.

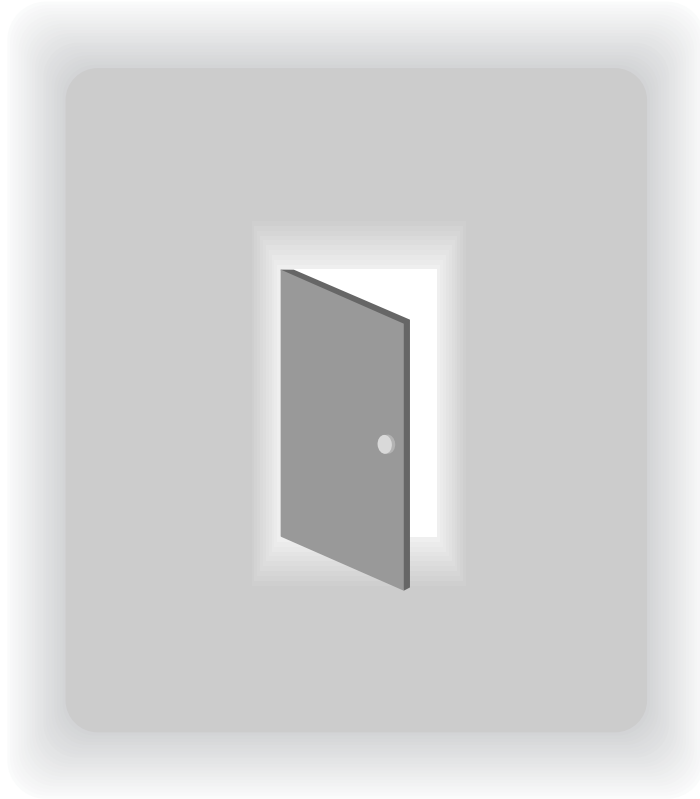


**5. Place a pre-wrapped commodity item at the center-front of the weighing platter.**



**6. Place successive Commodity items through the machine.**

After passing through the wrapping unit, the automatically priced Commodity items will be discharged by the machine.



**CHAPTER 3**  
**USEFUL FUNCTIONS**

## 3.1 OPERATION OF AUTOMATIC TRAY RECOGNITION

WM-Ai performs wrapping and labeling of Commodity items by recognizing the size of a tray that has been placed on the weighing platter using its CMOS camera and automatically giving the item a tray call-up number.

### 3.1.1 PRICE TABLE

#### 1. Mechanism of automatic tray recognition.

By placing the commodity item on the weighing platter, the CMOS camera recognizes the tray size. The machine then confirms the tray type by comparing the recognized tray size with the trays registered in its price table and performs highly precise wrapping and labeling. Therefore, by registering all the possible tray sizes which may be used by a Commodity item, daily operation becomes smoother and a lot easier.

For example, the commodity item "Sliced Beef at \$2.98 per 100g" normally uses "Tray No. 1"; however, if you want to create a bargain sale Commodity item which uses a larger-sized "Tray No.2", and if "Tray No.2" has not been registered, you only have to register this "Tray No.2" in the price table as shown below.

	1	2	3	4	5
PRICE	€ 1,23				
SYMB.					
TRAY	D0001				
PRN MD.	TOTAL	TODAY	WP SPD	TRAY	
AUTO	ADD	TODAY	HI-TRAY	AUTO	

Therefore by registering as many trays as possible, up to the maximum of 5, smoother operation can be assured.

#### 2. The Difference between | | |------| | TRAY | | AUTO | and | | |--------| | TRAY | | MANUAL | .

[TRAY AUTO] mode which automatically sets the data gained from automatic recognition of the tray treats the price and symbol in the price table separately from the tray call-up number.

In other words, while the price and symbol uses designated data, the tray is selected from the price table and the table's data is used for any setting.

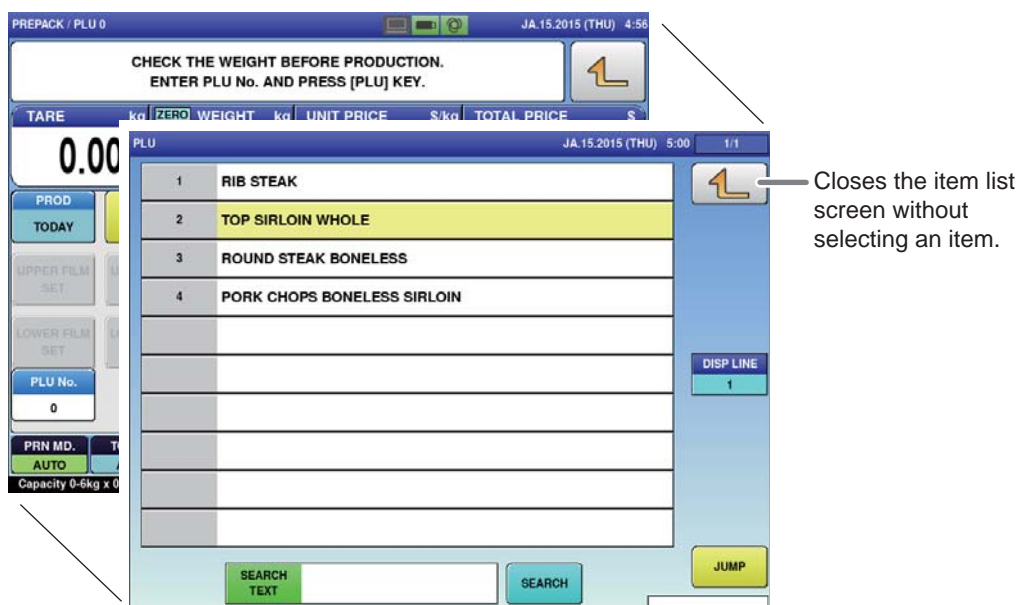
	1	2	3	4	5
PRICE	€ 1,23				
SYMB.					
TRAY	D0001				
PRN MD.	TOTAL	TODAY	WP SPD	TRAY	
AUTO	ADD	TODAY	HI-TRAY	AUTO	

On the other hand, in [TRAY MANUAL] mode, the price, symbol and tray are used as a single designated data set.

	1	2	3	4	5
PRICE	€ 1,23				
SYMB.					
TRAY	D0001				
PRN MD.	TOTAL	TODAY	WP SPD	TRAY	
AUTO	ADD	TODAY	HI-TRAY	SELECT	



## 3.2 CALL UP THE ITEM DATA FROM THE DISPLAYED LIST

If you do not clearly remember the item number but you remember that the item number is somewhere around item number "15" for example, you can select it from the display item name list showing item names before and after the selected item number.



[Example] When, from the item list, you try to call up the item number of "ROUND STEAK BONELESS" that you do not clearly remember.



If the item that you want to call up is not displayed on the screen, touch  or  to switch the page.

### 1. Enter the item number that is approximately you guess and touch [PLU No.].



The list of item names in the vicinity of the item name corresponding to the entered item number is displayed.





You can also call up the item by pressing [PLU] after numerical entry.

### 3. Touch the display field of “ROUND STEAK BONELESS”.

3	ROUND STEAK BONELESS
---	----------------------

The display automatically returns to the production screen, and the selected item data is displayed.



### 3.2.1 SEARCH FOR THE ITEM AND CALL IT UP

You can also call up the item name from among registered items by searching for the name with use of the character string included in the name as a key word.

#### 1. Touch [PLU No.]

PLU No.
0

The production (item list) screen is displayed.



#### 2. Touch the search text field.

SEARCH TEXT	
-------------	--

The character input screen is displayed.



#### 3. Enter the character string which you want to search and touch the Return button.



The display returns to the production (item list) screen.



#### 4. Touch [SEARCH] on the production (item list) screen.

SEARCH
--------

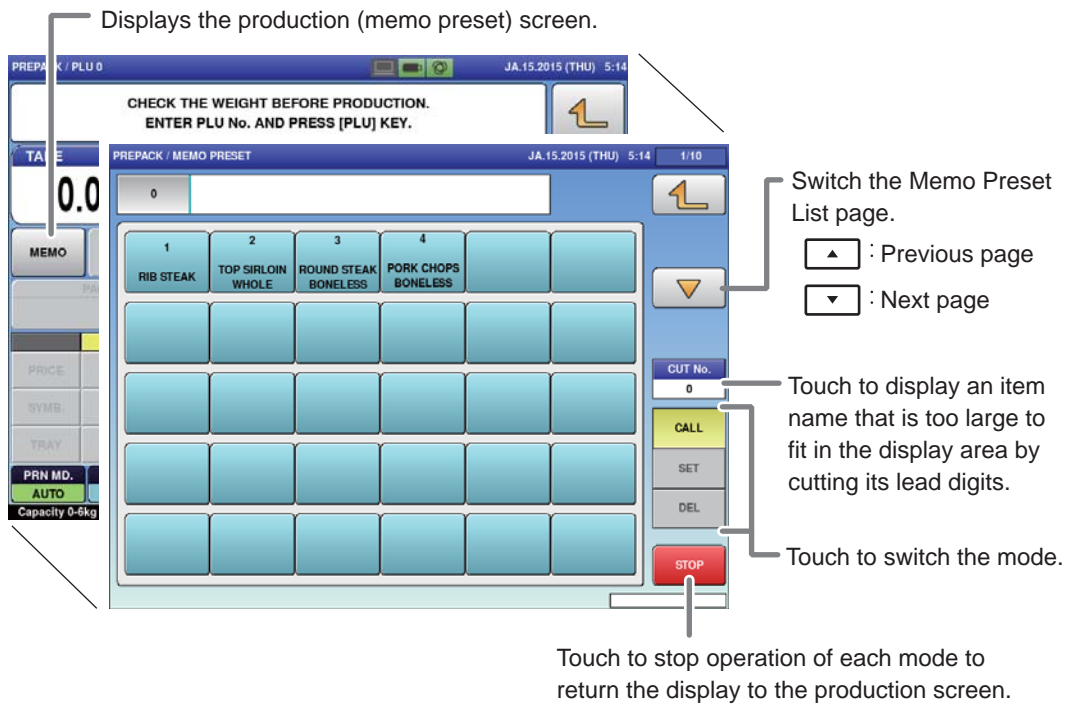
The list of items including the entered character string is displayed. Select the item from the displayed list.



For the character input method, refer to the "Character Entry Method" described from Page 4-58 to Page 4-65.

### 3.3 CALLING ITEM DATA WITH MEMO PRESET KEYS

Item that are frequently called can be registered in the memo preset keys beforehand for smoother operations.



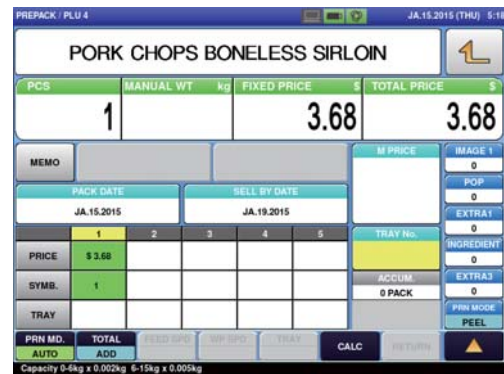
#### 3.3.1 REGISTERING MEMO PRESET KEYS

[Example] Register the selected “PORK CHOPS BONELESS SIRLOIN” whose call number is “4” in the memo preset key.

1. Touch [MEMO] on the screen where the item you want to register is selected.



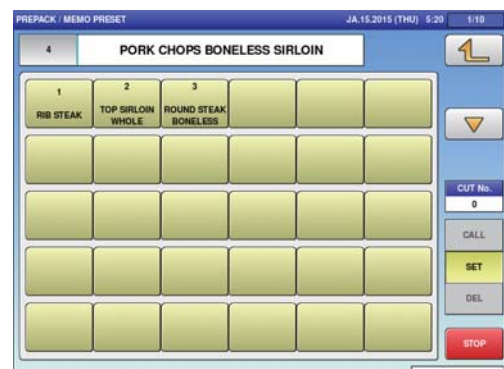
The production (memo preset) screen is displayed.



2. Touch [SET].



Memo preset registration mode screen appears.





**CAUTION**

When the preregistered memo preset key is touched, the data is overwritten.



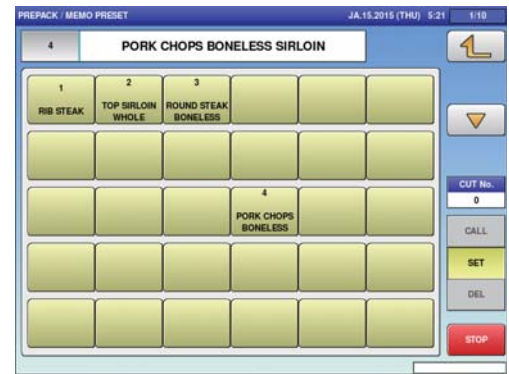
The memo preset key can also be registered by pressing the memo preset key after numerical entry.



### 3. Touch the memo preset key located at the position that you want to register.



The memo preset key has been registered.



## 3.3.2 CALL UP THE ITEM BY USING THE MEMO PRESET KEY

[Example] Use the memo preset key to call up “ROUND STEAK BONELESS”.

### 1. Touch [MEMO].

MEMO

The production [memo preset] screen is displayed.



### 2. Touch the memo preset key to which “ROUND STEAK BONELESS” is registered.

3  
ROUND STEAK  
BONRESS

The display automatically returns to the production screen, and the item data is displayed.



## 3.4 CHANGE AND ADDITION OF ITEM DATA

Use the following procedure when you want to change part of the registered item data during work. This section describes the methods of unit price (fixed price) change, tray change, addition, and discount.

### 3.4.1 CHANGE THE UNIT PRICE

[Example] Change the unit price from to \$2.00.

1. On the screen where the item is selected, enter the price you want to change by using the numeric keypad.



The numerical value "200" is displayed in the field.

TARE	kg	ZERO	WEIGHT	kg	TOTAL PRICE	\$
0.000			000		0.00	

PRICE \$ 2.00

2. Press the [UNIT PRICE] stroke key.



The unit price has been changed.

TARE	kg	ZERO	WEIGHT	kg	UNIT PRICE	\$/kg	TOTAL PRICE	\$
0.000			0.000		2.00		0.00	

PRICE \$ 2.00



You can also change the unit price by touching the unit price field after entering a numerical value via numerical keypad.



For a fixed price item, press [FIXED PRICE].



- When changing a unit price item to a fixed price item, press [FIXED PRICE] after entering the fixed price.



(When changing a unit price to a fixed price as it is, you do not have to enter a numerical value.)

- When changing a fixed price item to a unit price item, press [UNIT PRICE] after entering a numerical value.



(When changing a fixed price to a unit price as it is, you do not have to enter a numerical value.)

### 3.4.2 ENTER THE TRAY NUMBER IN THE TRAY FIELD OF THE PRICE LIST

Each tray is numbered and information such as tray name, size, and weight is managed for each number. Up to five tray numbers can be registered in the price list. Because the tray is automatically recognized by using the data in the price list, every tray that can be used with an item called up needs to be registered in advance. (Wrapping machine only)

[Example] Enter the tray number “3” in the price list 3.



See page 4-14 for “Tray Registration”.

1. Enter the tray number “3” on the screen where the item is selected.



The numerical value “3” is displayed in the field.



#### **CAUTION**

When you do not enter the unit price (or fixed price) after entering the tray number, refer to the selling price in Price 1 (at the left end of the price list).

2. Touch the tray field in the price list 3.

3
\$1.23
0003



### 3.4.3 ENTER THE SELLING PRICE IN THE PRICE FIELD OF THE PRICE LIST

By registering unit prices and fixed prices in the price list in advance, the operation using two kinds of prices becomes possible.

[Example] Enter "Fixed price \$5.00" in the price list 3.

1. Enter 500 on the screen where the item is selected.



The numerical value "500" is displayed in the field.



2. Touch the price field under the price list 3.



3. Press [FIXED PRICE] to switch the display to the fixed price screen.



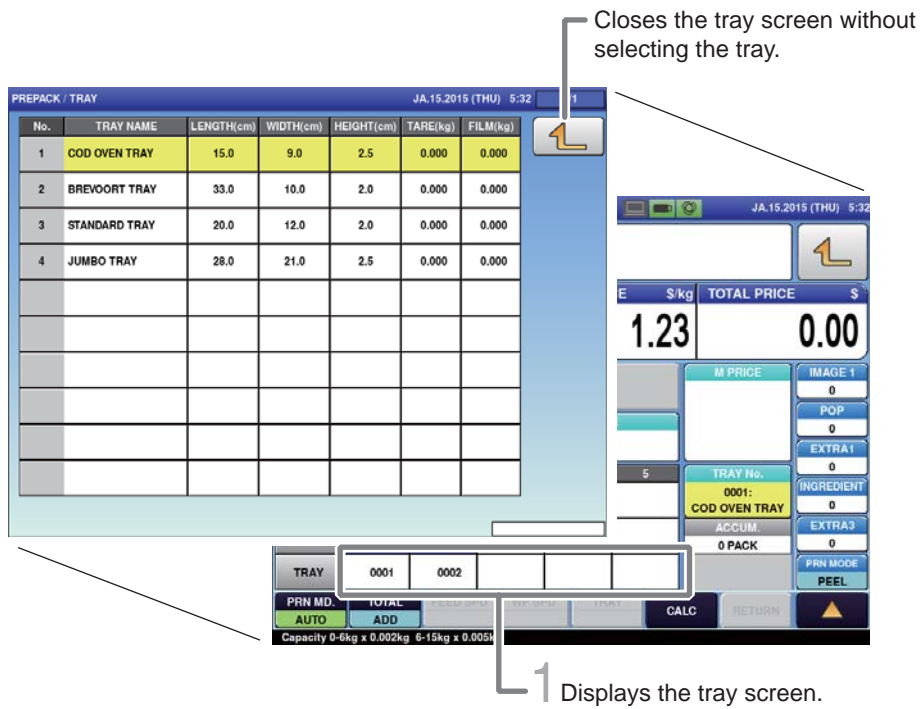
The "Kg" display disappears and the fixed price display appears.



When entering a numerical value, settings are made in weighing mode (unit price or fixed price) registered in the price list 1.

### 3.4.4 CHANGING TRAYS ON THE TRAY LIST SCREEN

This section describes the method of changing the tray on the tray screen when you do not know the tray number you want to use.



3



If the tray that you want to call up is not displayed on the screen, touch or to switch the page.

#### 1. Touch [Tray in Price List] field on the screen where the item is selected.



The tray screen is displayed.



You can also call up a tray by pressing [PLU] after entering the tray number.



#### 2. Touch the display field of the tray to be used.

The display automatically returns to the production screen, and the numerical value "1" is displayed in the tray number display field.



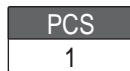
### 3.4.5 CHANGING THE SYMBOL FOR A FIXED PRICE COMMODITY ITEM

Example: Change the quantity and symbol for a fixed price Commodity item.

The screenshot shows the 'PREPACK / PLU1' screen for 'RIB STEAK'. The top section displays 'TARE' (0.000 lb), 'ZERO WEIGHT' (0.000 lb), 'UNIT PRICE' (\$1.23 / lb), and 'TOTAL PRICE' (\$0.00). Below this is a table with columns for 'PRICE' and 'SYMB.'. A 'LABEL' button is visible at the bottom right. Three annotations are present:
 

- 1**: Points to the 'PREPACK / PLU1' header.
- 2**: Points to the 'SYMB.' field in the table.
- 3**: Points to the 'LABEL' button.

1. Touch [PCS] on the screen with the called-up Commodity item.



The fixed price symbol list screen will be displayed.

The screenshot shows the 'TOP SIRLOIN WHOLE' screen. It has a table with columns: 'PCS', 'MANUAL WT', 'kg', 'FIXED PRICE', '\$', and 'TOTAL'. The 'PCS' field contains '1' and the 'FIXED PRICE' field contains '3.58'. Below the table are fields for 'MEMO', 'PACK DATE', 'SELL BY DATE', and a table with columns 'PRICE' and 'SYMB.'. The 'PRICE' field shows '\$ 3.58' and the 'SYMB.' field shows '1'.

2. Enter the packed quantity and touch [SYMBOL].

Example: 5



Having entered the packed quantity and the symbol, return to the production screen.

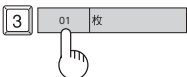
The screenshot shows the 'FIX PRICE SYMBOL' screen. It has a list of symbols:
 

- 0 NONE
- 1 oz oz
- 2 lb lb
- 3 kg kg
- 4 g g
- 5 PC. PCS,
- 6 BOX BOXES
- 8 PACK PACKS
- 9 CUT CUTS
- 11 CUP CUPS

 There is a 'SEARCH TEXT' field and a 'SEARCH' button at the bottom.



For entering normal numerical values, the same procedure is followed.



### 3.4.6 PERFORMING DISCOUNT PROCESSING

A bargain price in addition to the unit price and fixed price can be registered in advance in the item data. There are six different bargain prices: markdown price, discount amount, discount rate, markdown unit price, discount unit price amount, and discount unit price rate. This section describes the method of performing discount processing.

1 When touched without numerical entry, the markdown screen is displayed. When touched after numerical entry, the markdown price can be entered.

2 Select a markdown type button after numerical entry.

#### ● How to discount

	Weighing item / Fixed price item
Special	<ol style="list-style-type: none"> <li>1 Touch [Markdown]. → The markdown screen is displayed.</li> <li>2 Touching [SPECIAL] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set markdown price.</li> </ol>
-\$ (Discount amount)	<ol style="list-style-type: none"> <li>1 Touch [Markdown]. → The markdown screen is displayed.</li> <li>2 Touching [-\$] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set discount amount.</li> </ol>
-% (Discount rate)	<ol style="list-style-type: none"> <li>1 Touch [Markdown]. → The markdown screen is displayed.</li> <li>2 Touching [-%] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set discount rate.</li> </ol>
Special unit price	<ol style="list-style-type: none"> <li>1 Touch [Markdown]. → The markdown screen is displayed.</li> <li>2 Touching [SPEC. U/C] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set special unit price. (This setting cannot be made if the selected item is a fixed price item.)</li> </ol>
U/P-\$ (Discount unit price amount)	<ol style="list-style-type: none"> <li>1 Touch [Markdown]. → The markdown screen is displayed.</li> <li>2 On the production (markdown) screen, enter a numeric value and touch [U/P-\$]. The production screen will automatically appears and display the discount unit price amount.</li> </ol>
U/P-% (Discount unit price rate)	<ol style="list-style-type: none"> <li>1 Touch [Markdown]. → The markdown screen is displayed.</li> <li>2 On the production (markdown) screen, enter a numeric value and touch [U/P-%]. The production screen will automatically appears and display the discount unit price rate.</li> </ol>

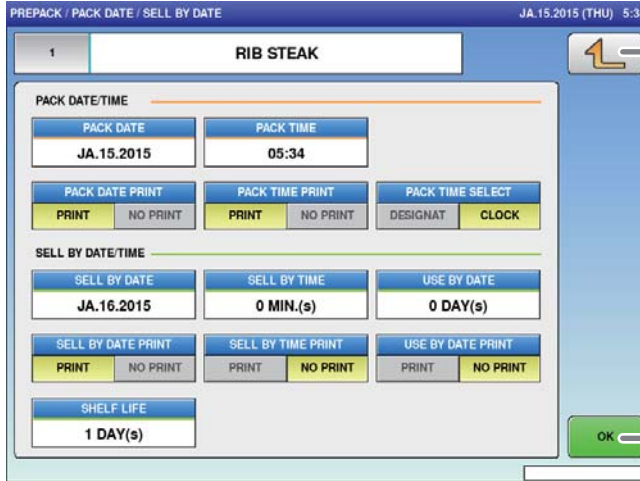
#### CAUTION

An error is displayed when the label is issued if the special price becomes greater than the usual price as the weighing result.

# 3.5 CHANGING THE LABEL DATE AND TIME

## ■ PACK/SEL BY DATA AND TIME SETTING SCREEN

When the [PACK DATE] or [SELL BY DATE] field on the production screen is touched, the (pack/expiry date & time) screen is displayed.



The entered data is cleared and the display returns to the production screen.

The entered data is set and the display returns to the production screen.



To change the pack date or expiry date, touch the [PACK DATE] or [SELL BY DATE] field after entering a numerical value.



To print the pack time or sell by time, these times need to be set in advance. For details, consult your ISHIDA dealer.



1 When touched, the (pack/sell by date & time) screen is displayed. When touched after numerical entry, the pack date and the sell by date can be input.

### 1 . PACK DATE

Pack date

Enter the pack date to be changed.



Pack date printing

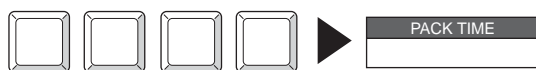
**PRINT** : Select to print the pack date.

**NO PRINT** : Select not to print the pack date.

### 2. PACK TIME

Pack time

Enter the time to be printed.



Pack time printing

**PRINT** : Select to print the pack time.

**NO PRINT** : Select not to print the pack time.



### 3. PACK TIME SELECTION

**DESIGNAT** : Select to print the fixed date and time.

**CLOCK** : Select to print the current time.

### 4. SELL BY DATE

Sell by date

Used to change the set sell by date.



Sell by date printing

**PRINT** : Select to print the sell by date.

**NO PRINT** : Select not to print the sell by date.

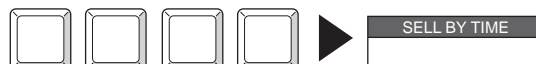
### 5. SELL BY TIME

Sell by time

Enter the sell by time to be printed.

(Settable up to 9999 hours later)

(Set as "after XX hours" counted from the packed time.)



Sell by time printing

**PRINT** : Select to print the sell by time.

**NO PRINT** : Select not to print the sell by time.

### 6. SHELF LIFE

Enter the shelf life.

(Settable from 0 to 9999 days)

Entered shelf life is reflected in the sell by date.



Note :

Pack date cannot be set exceeding the sell-by date.

## 3.6 CHECKING LABEL PRINTING CONTENTS

With using the label preview screen, it can be checked whether the necessary items are printable or not.



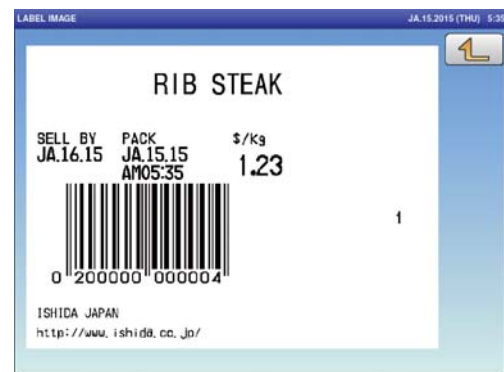
1. Touch the [Item Name] display field on the screen where the item is selected.

RIB STEAK

The label preview screen is displayed.



2. Check that there is no mistake or omission of inputting label printing items.



3. Touch [Return] after you complete the check.



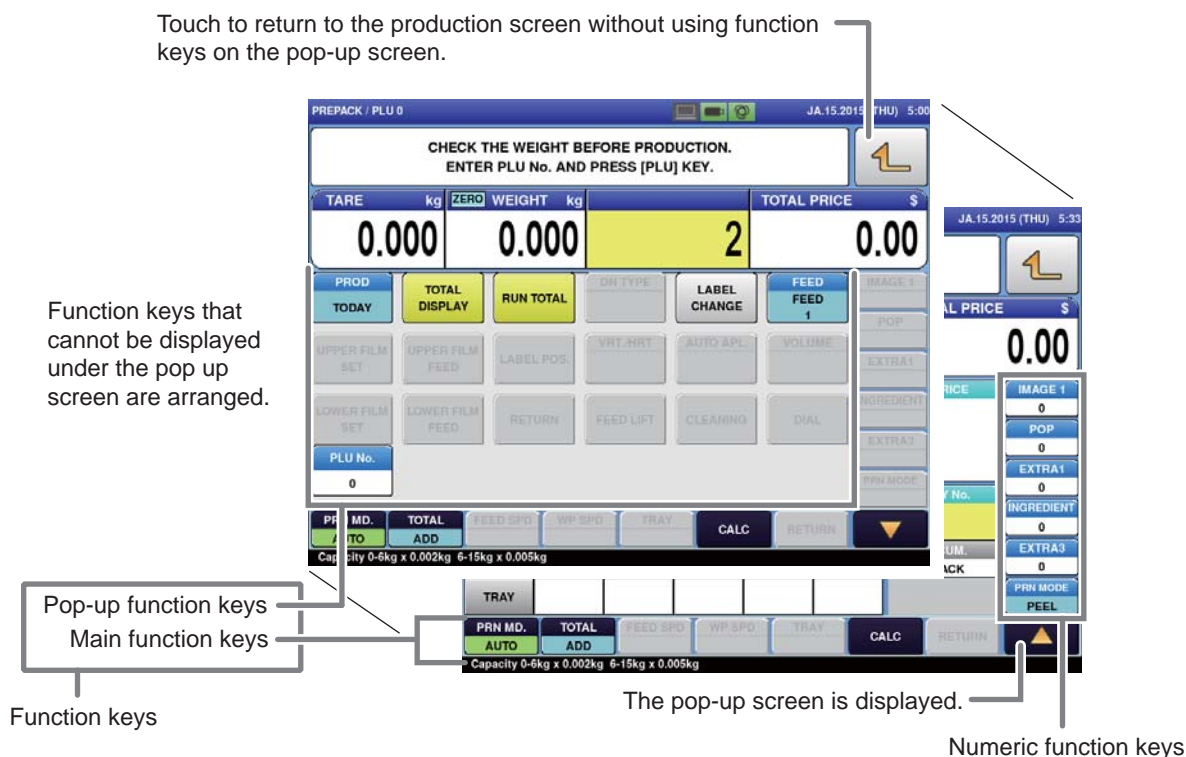
The display returns to the production screen.

## 3.7 USEFUL FEATURES OF FUNCTION KEYS

This section explains useful features for using function keys.

Perform each operation for the selected item.




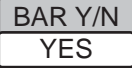
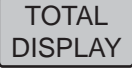

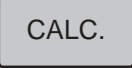

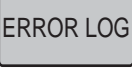
















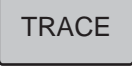
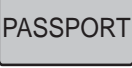

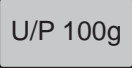

(Function key positions may be changed according to how it is programmed at the installation.)

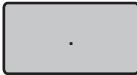

















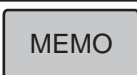









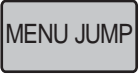











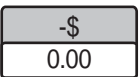



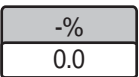



3

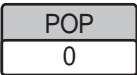













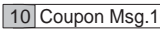



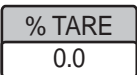




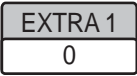

















### ■ Description of function keys

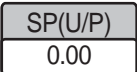





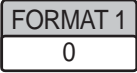








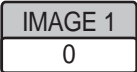








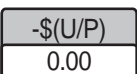



























Function Keys	Functions and Usages
PLU name	<ul style="list-style-type: none"> <li>Touching this button will call up the PLU item displayed on the button.</li> </ul>
TARE	<ul style="list-style-type: none"> <li>Touching this button will recognize the weight being measured now as a tare weight.</li> </ul>
F/P	<ul style="list-style-type: none"> <li>Touching this button will change the item to a fixed price item.</li> </ul> <p>Note: For operation procedures, consult your ISHIDA dealer.</p>
VOID	<ul style="list-style-type: none"> <li>Touching this button will delete the results of an item that has been fed into the wrapping unit most recently (on the lift unit), or an item with the label attached (on the discharge unit).</li> <li>If there are items both on the lift and the discharge unit, the VOID screen to select the item is displayed.</li> </ul>
RUN TOTAL	<ul style="list-style-type: none"> <li>Touching this button will issue a label with information of the total labels (packs), total weight and total amount since the same key was last pressed.</li> <li>The item name called on the screen is printed.</li> </ul> <p>(The subtotal data will be cleared when the subtotal label is printed.)</p>
FIX PR +WEIGHT	<ul style="list-style-type: none"> <li>Touching this button will change the item to a fixed price and weight item.</li> </ul> <p>Note: For operation procedures, consult your ISHIDA dealer.</p>
CLR	<ul style="list-style-type: none"> <li>Touching this button will clear the numerical value being input.</li> </ul>

Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>• Touching this button will print a label.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will feed the label.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will change the item to a unit price item.</li> </ul> <p>Note: For operation procedures, consult your ISHIDA dealer.</p>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the mode between “BAR (YES)” and “BAR (NO)”.</li> <li>• Used to prohibit the barcode print on front labels.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will display the Production Total screen.</li> <li>• Pressing the  stroke key will issue a total label.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will display the Calculator screen.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will change the item to a fixed unit price item.</li> </ul> <p>Note: For operation procedures, consult your ISHIDA dealer.</p>
	<ul style="list-style-type: none"> <li>• Touching this button will display the Error Log screen.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the mode between “KEY LOCK (ON)” and “KEY LOCK (OFF)”.</li> <li>• Keys (stroke keys, touch panel keys, and function keys) can be locked or released.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the mode between “Auto” and “Manual”.</li> </ul> <p> : Issuing begins automatically as soon as weighing has stabilized.</p> <p> : Issuing begins by pressing the  key after weighing has stabilized automatically.</p> <p>  Can be used only for unit price items.</p> <p>If  is used for fixed price items or fixed unit price items, it makes an error sound.</p>
1/2	<ul style="list-style-type: none"> <li>• Used to reduce the price of the fixed amount item to half.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the printing mode in the following order:</li> </ul> <p> →  →  → </p> <p> : Issues a label and adds the production data to the total.</p> <p> : Adds the production data to the total without issuing a label.</p> <p> : Issues a label without adding the production data to the total.</p>
	<ul style="list-style-type: none"> <li>• Used to display and correct the set traceability information.</li> </ul>
	<ul style="list-style-type: none"> <li>• Used to print the passport label for traceability.</li> </ul>
	<ul style="list-style-type: none"> <li>• Used to open the Minced Meat Traceability Data Creation screen.</li> </ul> <p>Used to generate the minced meat traceability data in advance when the PLU item is not-being called.</p>
	<ul style="list-style-type: none"> <li>• Touching this button will change the item is to a unit price (100g) item.</li> </ul> <p>Note: For operation procedures, consult your ISHIDA dealer.</p>
	<ul style="list-style-type: none"> <li>• Touching this button will input “0” twice.</li> </ul>









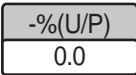



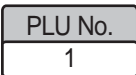







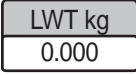



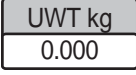



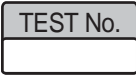
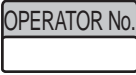

Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>Touching this button will input the decimal point.</li> </ul>
 to 	<ul style="list-style-type: none"> <li>Touching this button will input a number. The same operation as numeric keys on the ten-key pad is made.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will call up the PLU item. The same operation as the  key on the ten-key pad is made.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will perform the zero point adjustment.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will switch the mode in the following order.</li> </ul> 
	<ul style="list-style-type: none"> <li>When touched, the Lower Upper Weight screen is displayed.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will delete, for an item displayed on the screen, all totals of the item that has been produced after being selected.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will display the Label Change screen.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will display the 2nd Label Type screen.</li> <li>The selected result is displayed within the parenthesis of the function key.</li> </ul>  <p>Note: The number of back label types can be increased by settings. For details, consult your ISHIDA dealer.</p>
	<ul style="list-style-type: none"> <li>Touching this button will switch the mode between “UP PRN (YES)” and “UP PRN (NO)”.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will switch the mode between “DN PRN (YES)” and “DN PRN (NO)”.</li> <li>Effective only for items to which back label settings are made.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will switch the mode between “UP TYPE (REF.)” and “UP TYPE (FIX)”.</li> <li>Used to fix the issuing printer and cassette format.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will switch the mode between “EYE CATCH (YES)” and “EYE CATCH (NO)”.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will switch the mode between “SUB PRN (YES)” and “SUB PRN (NO)”.</li> <li>Effective only for items to which sub-label settings are made, when a sub-labeller (PP-AI, etc.) is connected</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button will display the Memo Preset screen.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to jump to the designated function group.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to jump to the designated function page.</li> </ul>


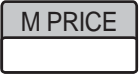



















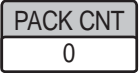
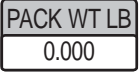

Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>• Touching this button will display the Popup Function Keys screen.</li> </ul>
	<ul style="list-style-type: none"> <li>• Used to load images in the USB memory.</li> </ul>
	<ul style="list-style-type: none"> <li>• Used to switch the Popup Function Keys screen to the previous page.</li> </ul>
	<ul style="list-style-type: none"> <li>• Used to switch the Popup Function Keys screen to the next page.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the mode between “TRAY CENTERING (YES)” and “TRAY CENTERING (NO)”.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will display the Menu Jump screen.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the mode between “PRN MODE (PEEL)” and “PRN MODE (NON-PEEL)”.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button will switch the tray hold mode in the following order:   </li> <li>  : Having recognized the tray size positioned on the weighing platter, the conditions for wrapping are automatically set as the matching tray No. is called up from the tray master.         </li> <li>  : Trays will not be held.         </li> <li>  : Wrapping conditions are set from the specified tray No.         </li> </ul>
	<ul style="list-style-type: none"> <li>• Used to multiply the quantity of the fixed price item by the designated number.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the special price.            Stroke Key               Discount amount         </li> <li>• To release the setting, touch the button after entering “0”.</li> <li>Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the discount amount.            Stroke Key               Discount amount         </li> <li>• To release the setting, touch the button after entering “0”.</li> <li>Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the discount rate.            Stroke Key               Discount rate         </li> <li>• To release the setting, touch the button after entering “0”.</li> <li>Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.</li> </ul>

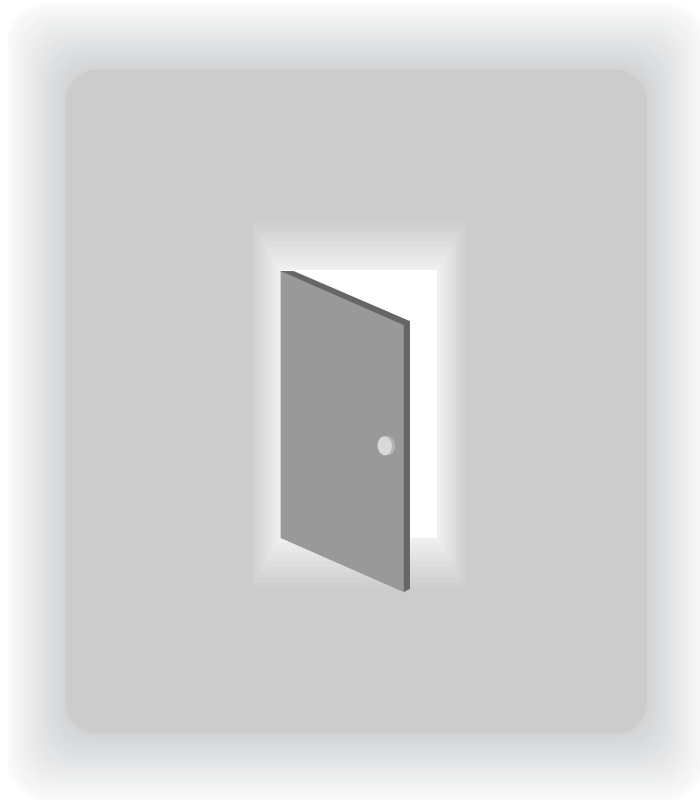
Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the POP message.</li> </ul> <p>Stroke Key   ►  ► </p> <p>POP No.</p> <ul style="list-style-type: none"> <li>• Touching this button without entering a numeric value will display the POP Message screen.</li> <li>• Touching the display item or entering a numeric value via numeric keys will set the POP message.</li> </ul> <p> or   ► </p> <ul style="list-style-type: none"> <li>• To release the setting, touch the display item after entering "0".</li> </ul> <p>Note: See page 4-40 for "EXTRA MESSAGE REGISTRATION".</p>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the coupon message.</li> </ul> <p>Stroke Key   ►  ► </p> <p>Coupon No.</p> <ul style="list-style-type: none"> <li>• Touching this button without entering a numeric value will display the Coupon Message screen.</li> <li>• Touching the display item or entering a numeric value via numeric keys will set the coupon message.</li> </ul> <p> or   ► </p> <ul style="list-style-type: none"> <li>• To release the setting, touch the display item after entering "0".</li> </ul> <p>Note: See page 4-40 for "EXTRA MESSAGE REGISTRATION".</p>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the tare rate.</li> </ul> <p>Stroke Key   ►  ► </p> <p>Discount rate</p> <ul style="list-style-type: none"> <li>• To release the setting, touch the button after entering "0".</li> </ul>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the extra message.</li> </ul> <p>Stroke Key   ►  ► </p> <p>Extra 1 No.</p> <ul style="list-style-type: none"> <li>• Touching this button without entering a numeric value will set the Extra Message screen.</li> <li>• Touching the display item or entering a numeric value via numeric keys will set the extra message.</li> </ul> <p> or   ► </p> <ul style="list-style-type: none"> <li>• To release the setting, touch the display item after entering "0".</li> </ul> <p>Note: See page 4-40 for "EXTRA MESSAGE REGISTRATION".</p>
	<ul style="list-style-type: none"> <li>• Touching this button after entering a numeric value will set the ingredient.</li> </ul> <p>Stroke Key   ►  ► </p> <p>Ingredient No.</p> <ul style="list-style-type: none"> <li>• Touching this button without entering a numeric value will display the Ingredient.</li> <li>• Touching the display item or entering a numeric value via numeric keys will set the ingredient.</li> </ul> <p> or   ► </p> <ul style="list-style-type: none"> <li>• To release the setting, touch the display item after entering "0".</li> </ul> <p>Note: See page 4-40 for "EXTRA MESSAGE REGISTRATION".</p>

Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the special unit price.</li> </ul> <p>Stroke Key    ►  ► </p> <p>Special Unit Price</p> <ul style="list-style-type: none"> <li>To release the setting, touch the button after entering "0".</li> </ul> <p>Note: See page 3-13 for "PERFORMING DISCOUNT PROCESSING".</p>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the label format.</li> </ul> <p>Stroke Key   ►  ► </p> <p>Format No.</p> <ul style="list-style-type: none"> <li>Touching this button without entering a numeric value will display the Format screen.</li> <li>Touching the display item or entering a numeric value via numeric keys will set the format.</li> </ul> <p> or   ► </p> <ul style="list-style-type: none"> <li>To release the setting, touch the display item after entering "0".</li> </ul> <p>Note: For format settings, consult your ISHIDA dealer.</p>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the image.</li> </ul> <p>Stroke Key   ►  ► </p> <p>Image No.</p> <ul style="list-style-type: none"> <li>Touching this button without entering a numeric value will display the Image screen.</li> <li>Touching the display item or entering a numeric value via numeric keys will set the image.</li> </ul> <p> or   ► </p> <ul style="list-style-type: none"> <li>To release the setting, touch the display item after entering "0".</li> </ul> <p>Note: For image settings, consult your ISHIDA dealer.</p>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the special unit price.</li> </ul> <p>Stroke Key    ►  ► </p> <p>Special Unit Price</p> <ul style="list-style-type: none"> <li>To release the setting, touch the button after entering "0".</li> </ul> <p>Note: See page 3-13 for "PERFORMING DISCOUNT PROCESSING".</p>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the pack date.</li> </ul> <p>Stroke Key         ►  ► </p> <p>Pack Date</p> <ul style="list-style-type: none"> <li>Touching this button without entering a numeric value will display the Pack Date /Sell By Date screen.</li> </ul> <p>Note: See page 3-14 for "CHANGING THE LABEL DATE AND TIME".</p>
	<ul style="list-style-type: none"> <li>When touched after numerical entry, the sell by date can be set.</li> </ul> <p>Stroke Key         ►  ► </p> <p>Sell By Date</p> <ul style="list-style-type: none"> <li>When touched without any numerical entry, the Pack Date /Sell By Date screen is displayed.</li> </ul> <p>Note: See page 3-14 for "CHANGING THE LABEL DATE AND TIME".</p>



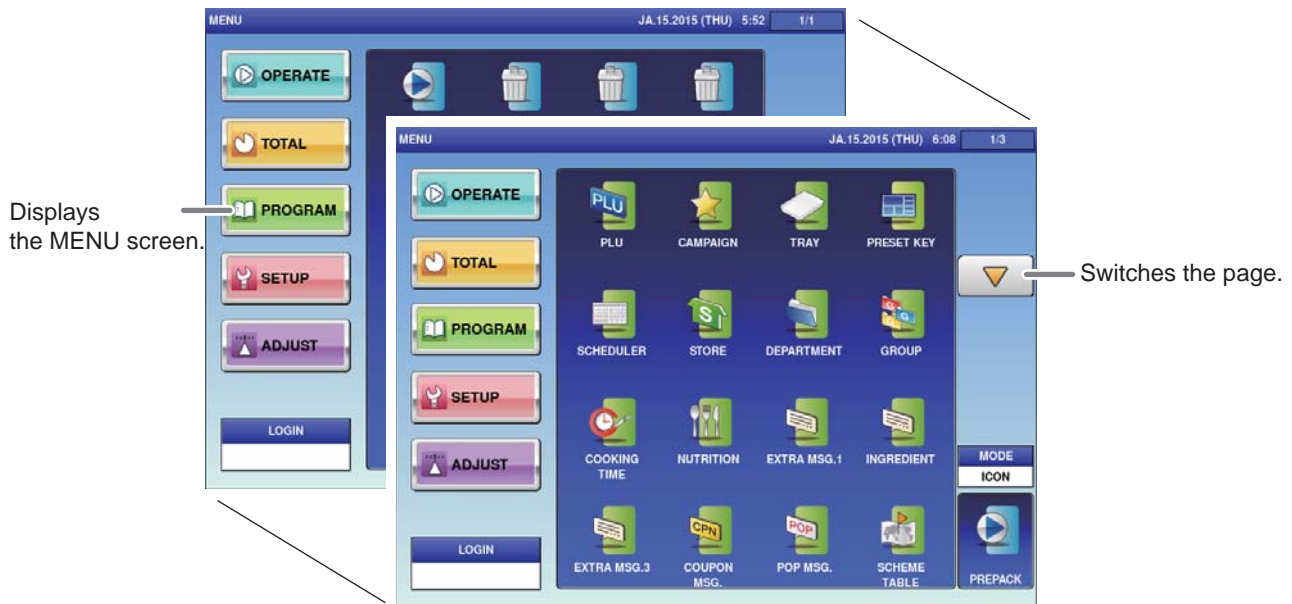
Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>When touched after numerical entry, the free message can be set.            Stroke Key  ►  ►             Free Message No.         </li> <li>When touched without any numerical entry, the Free Message screen is displayed.</li> <li>When the display item is touched or the numerical entry is made via numerical keys, the free message can be set.   or  ►  </li> <li>To release the setting, touch the display item after entering "0".            Note: See page 4-40 for "EXTRA MESSAGE REGISTRATION".</li> </ul>
	<ul style="list-style-type: none"> <li>When touched, the target screen is displayed. In this screen, select the target type(QTY, WEIGHT, PRICE). Then enter the number and touch the "TARGET" field in this screen.</li> <li>Used to decide the production quantity for each item. Once the production completes the set target, it shows the message to reset the target again. Set 0 to end this function.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the unit price discount rate.            Stroke Key  ►  ►             Unit Price Discount rate         </li> <li>To release the setting, touch the button after entering "0".            Note: See page 3-13 for "PERFORMING DISCOUNT PROCESSING".</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will display the PLU screen and select the designated PLU item.            Stroke Key  ►  ►             PLU No.         </li> <li>Touching this button without entering a numeric value will display the PLU screen.</li> <li>Touching the display item or entering a numeric value via numeric keys will set the PLU item.   or  ►  </li> <li>Note: See page 3-3 for "CALL UP THE ITEM DATA FROM THE DISPLAYED LIST."</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the memory remaining capacity.</li> </ul>
	<ul style="list-style-type: none"> <li>When touched after numerical entry, the lower weight can be set.            Stroke Key  ►  ►             Lower Weight         </li> <li>When touched without any numerical entry, the Upper/Lower Weight screen is displayed.</li> <li>To release the setting, touch the button after entering "0".</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the upper weight.            Stroke Key  ►  ►             Upper Weight         </li> <li>Touching this button without entering a numeric value will display the Upper/Lower Weight screen.</li> <li>To release the setting, touch the button after entering "0".</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the test number of the meat cutting test.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the operator number of the meat cutting test.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the vendor number of the meat cutting test.</li> </ul>

Function Keys	Functions and Usages
	<ul style="list-style-type: none"> <li>Used to display the product number of the meat cutting test.</li> </ul>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the markdown price.</li> </ul> <p>Stroke Key    ►  ► </p> <p style="text-align: center;">Markdown Price</p> <ul style="list-style-type: none"> <li>Touching this button without entering a numeric value will display the Markdown screen.</li> <li>To release the setting, touch the button after entering "0".</li> </ul> <p>Note: See page 3-13 for "PERFORMING DISCOUNT PROCESSING".</p>
	<ul style="list-style-type: none"> <li>Touching this button after entering a numeric value will set the tray number.</li> </ul> <p>Stroke Key  ►  ► </p> <p style="text-align: center;">Tray No.</p> <ul style="list-style-type: none"> <li>Touching this button without entering a numeric value will display the Tray screen.</li> <li>Touching the display item or entering a numeric value via numeric keys will set the tray number.</li> </ul> <p> BREVOORT TRAY or  ► </p> <ul style="list-style-type: none"> <li>To release the setting, touch the button after entering "0".</li> </ul> <p>Note: See page 3-11 for "CHANGING TRAYS ON THE TRAY LIST SCREEN".</p>
	<ul style="list-style-type: none"> <li>Used to display the total quantity.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the status. (Heater temperature, Emergency stop, etc.)</li> </ul>
	<ul style="list-style-type: none"> <li>These are function keys that constitute the selling price table.</li> <li>Selling price number, unit price or price, fixed-price quantity, and tray number are displayed respectively.</li> </ul>
	
	
	
	<ul style="list-style-type: none"> <li>Used to start when TeamViewer is installed.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the subtotal quantity.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the subtotal weight.</li> </ul>
	<ul style="list-style-type: none"> <li>Used to display the subtotal price.</li> </ul>



**CHAPTER 4**  
**DATA REGISTRATION**

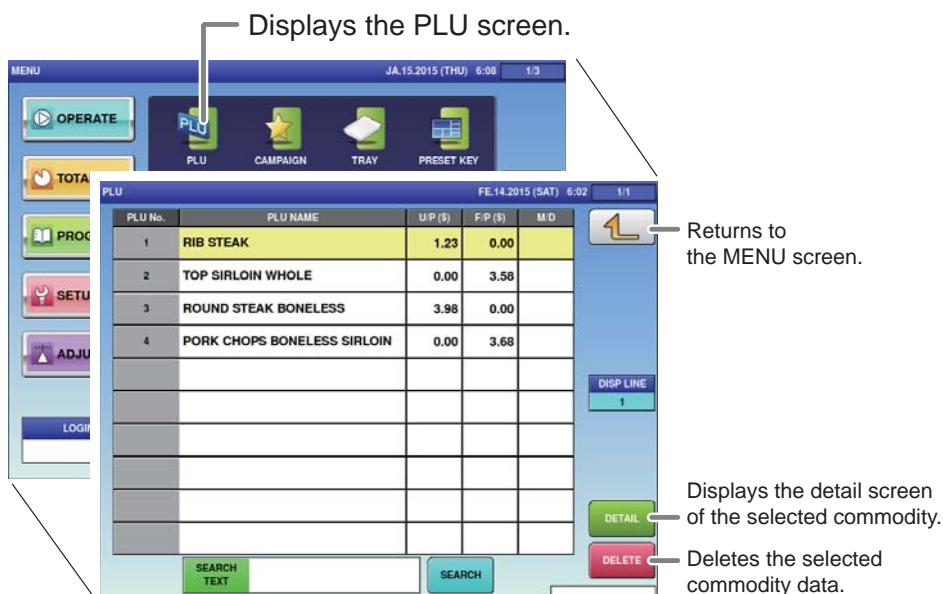
## 4.1 PROGRAM MENU



Registration Item	Registration Content
PLU	Used to register the commodity name or the unit price, fixed price, tare, registration code, POP number attached to that commodity. Note: Register the data attached to the commodity before performing commodity registration.
CAMPAIGN	Used to register campaign settings.
TRAY	Used to register information such as tray size, tray weight, film weight and the name.
PRESET KEY	Used to register or edit the preset keys.
SCHEDULER	Used to register schedules such as events.
STORE	Used to register the address and names of stores.
DEPARTMENT	Used to register the department name.
GROUP	Used to register the group name.
COOKING TIME	Used to register the cooking instructions.
NUTRITION	Used to register the nutrition panel.
EXTRA MSG. 1, 2	Used to register extra messages.
INGREDIENT	Used to register the setting of ingredient names used with high frequency.
COUPON MSG.	Used to register coupon messages.
POP MSG.	Used to register POP messages.
SCHEME TABLE	Used to register Scheme Tables used for traceability.
GEN TABLE	Used to register Gen Tables used for traceability.
LOOKUP TABLE	Used to register Lookup Tables used for traceability.
MINCE TRACE.	Used to register information on the traceability of mincemeat.
FIX PRI. SYMBOL	Used to register the fixed price symbol name.
FREE MSG. 1-15	Used to register up to 15 free messages.
CHECK LABEL	Used to perform checking of labels.
NUTRITION TEXT	Used to register nutrition text.

# 4.2 PLU REGISTRATION

The commodity item name and the data associated with the commodity item (unit price, fixed price, tare weight, register code, POP call-up number, etc.) can be registered. Register the commodity item data after selecting the commodity item field listed on the commodity item List screen. Follow the procedure below when registering the commodity item data.



## 1. Touch [PLU] on the MENU screen.



The PLU List screen will be displayed.



The commodity item call-up number can be set as one of 4, 6 or 8 digits. Initial settings are set as 6 digits.

## 2. Enter the call-up number for the commodity.

Example: Call-up number 1



A Commodity item call-up number can be entered up to 8 digits (1 – 99999999). The PRICE/TARE screen of the commodity item data registration will be displayed.



To edit the registered campaign data, touch the field of campaign data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.



The commodity item data registration screen consists of 6 screens. Touch the tab at the bottom of the screen to switch screens and register each item.

## 4.2.1 PLU DETAIL (SALE 1) REGISTRATION

Switches to the commodity corresponding to the number after this number is set.

Displays the screen for entering the commodity name.

Saves the commodity data and returns to the PLU List screen.

Switches the unit price number.


Deletes the called commodity data. (The called unit price data is deleted except in the case of Unit Price No.1)

The screenshot shows a screen titled 'PLU / DETAIL (SALE1)' with a date and time 'FE.14.2015 (SAT) 6:02'. The commodity name 'RIB STEAK' is displayed. The screen contains several input fields and buttons: SALES MODE (0:WEIGHT), UNIT PRICE (1.23), OPEN PRICE (0:YES), FIXED WGT (0.000), TARE (0.000), MARKDOWN MODE (0:NORMAL), M/D AMOUNT (0.00), 2ND TARE (0.000), UNIT TYPE (0:NO PRN), QTY (0), % TARE (0.0), LOWER WGT (0.000), UPPER WGT (0.000), and FORCED TARE (YES/NO). A vertical list of unit price buttons (UP 1 to UP 5) is on the right, and a DELETE button is at the bottom right. A bottom menu includes SALE1, MSG, IMAGE, PRINT, DATE, CODE, and WRAP.

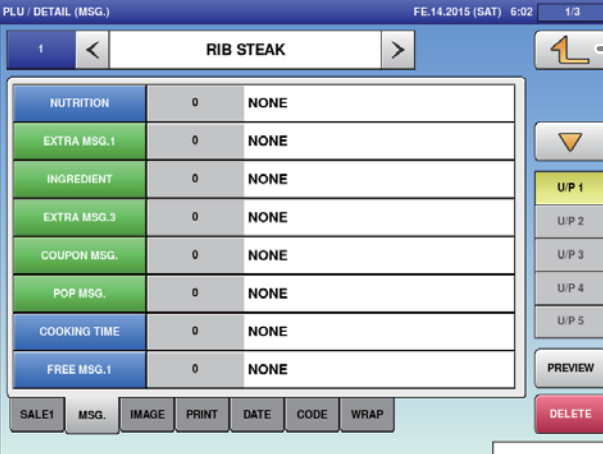
### ■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

ITEM	DESCRIPTIONS
SALES MODE	Press [<] or [>] to select a desired sales mode. 0: Weight (for selling weighing products) 1: Fix price (for selling fixed price products) 2: Weight fix price (for selling weighing fixed price products) 3: Fix unit price (for selling fixed unit price products) 4: Weight (100 g) (when the setting of the unit price per 100 g is needed in accordance of the laws of a country)
UNIT PRICE / FIXED PRICE	Enter the unit price or fixed price and press this field.
OPEN PRICE	Press [<] or [>] to select whether or not to allow an open price system. 0: Yes 1: No
FIXED WEIGHT	Enter the fixed weight and press this field.
TARE	Enter the tare weight and press this field.
MARKDOWN MODE	Press [<] or [>] to select a desired markdown mode. 0: Normal price 1: Special price 2: Amount discount for total price 3: Percent discount for total price 4: Special unit price 5: Amount discount for unit price 6: Percent discount for unit price
M/D AMOUNT	Enter the markdown amount or percentage and press this field.
2ND TARE	Enter the tare weight, and press this field.

UNIT TYPE	Press the "UNIT TYPE" field to display the "Fix Price Symbol" screen. Then, press a desired field for selection.	
QTY	Enter the packed quantity and press this field.	
%TARE	Enter the tare percentage and press this field.	
LOWER WEIGHT	Enter the lower weight limit and press this field.	
UPPER WEIGHT	Enter the upper weight limit and press this field.	
FORCED TARE	Press [Yes] or [No] button to select whether or not to use the forced tare function.	

## 4.2.2 PLU DETAIL (MSG.) REGISTRATION


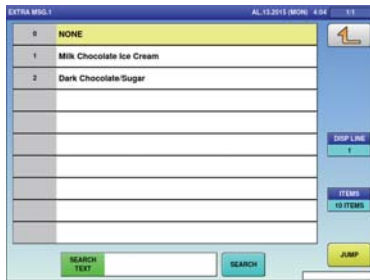


— Returns to the PLU List screen.

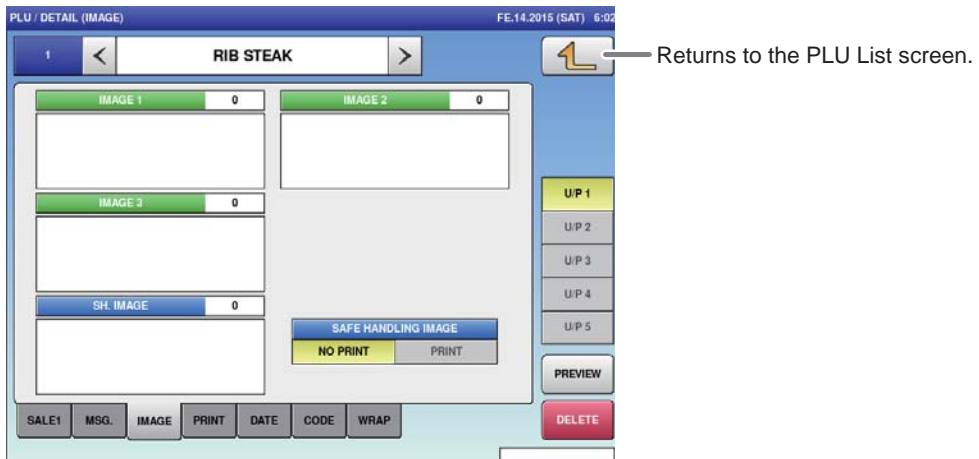
4

### ■ REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.


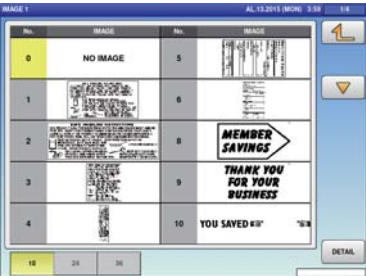
ITEM	DESCRIPTIONS
NUTRITION EXTRA MSG. 1,3 INGREDIENT COUPON MSG. POP MSG. COOKING TIME FREE MSG. 1-15 NUTRITION TEXT	<p>Press a desired field for selection.</p>  <p>The "Extra Message" screen is displayed. Press a desired field for selection.</p> 

## 4.2.3 PLU DETAIL (IMAGE) REGISTRATION



### ■ REGISTRATION METHOD FOR EACH ITEM

Touch the required registration item to select the content.

ITEM	DESCRIPTIONS
IMAGE1,2,3 SH.IMAGE	<p>Press a desired field for selection.</p>  <p>The "Image" screen is displayed. Press a desired field for selection.</p> 
SAFE HANDLING IMAGE	<p>Press [NO PRINT] or [PRINT] to select whether or not to print the image.</p>



## 4.2.4 PLU DETAIL (PRINT) REGISTRATION

PLU / DETAIL (PRINT) FE.14.2015 (SAT) 6:02

1 < RIB STEAK >

1st LABEL ATTACH TYPE < 0:REFER > 2nd LABEL TYPE < 1:NO > 1st LABEL BAR PRINT < 1:YES >

1st LABEL FORMAT No. 0 2nd LABEL FORMAT No. 0

PRINT MODE < 1:YES > 1st LABEL PRINT < 1:YES > 2nd LABEL PRINT < 1:YES >

SUB LABEL PRINT < 1:YES > EYECATCH LABEL PRINT < 1:YES >

UP 1 UP 2 UP 3 UP 4 UP 5 PREVIEW DELETE

SALE1 MSG. IMAGE PRINT DATE CODE WRAP

Returns to the PLU List screen.

### ■ REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

ITEM	DESCRIPTIONS
1ST LABEL ATTACH TYPE	Press [<] or [>] to select whether or not to fix front labeling. 0: Refer 1: Fixing
2ND LABEL TYPE	Press [<] or [>] to select the printing type of back labels 1: No 2: Under barcode 3: Ingredients 4: Ingredients + Barcode
1ST LABEL BAR PRINT	Press [<] or [>] to select whether or not to print the barcode to first label. 1: Yes 2: No
1ST LABEL FORMAT NO.	Enter a desired format number and press this field.
2ND LABEL FORMAT NO.	Enter a desired format number and press this field.
PRINT MODE	Press [<] or [>] to select whether or not to issue labels. 1: Yes 2: No
1ST LABEL PRINT	Press [<] or [>] to select whether or not to print the first label. 1: Yes 2: No
2ND LABEL PRINT	Press [<] or [>] to select whether or not to print the second label. 1: Yes 2: No
SUB LABEL PRINT	Press [<] or [>] to select whether or not to print the sub label. 1: Yes 2: No
EYECATCH LABEL PRINT	Press [<] or [>] to select whether or not to print the eye-catch label. 1: Yes 2: No

## 4.2.5 PLU DETAIL (DATE) REGISTRATION



### ■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details

ITEM	DESCRIPTIONS
PACK DATE PRINT	Press [YES] or [NO] in this field to select whether or not to print the packed date.
PACK TIME PRINT	Press [<] or [>] to select a desired pack time printing method. 0: No print 1: Designated time 2: System clock time
PACK TIME DATA	This field is available only when "1: Designated time" is selected in "PACK TIME PRINT". Enter the time and press this field.
SB DATE PRINT	Press [YES] or [NO] in this field to select whether or not to print the sell-by date.
SB TIME PRINT	Press [<] or [>] to select a desired sell-by time printing method. 0: No print 1: Designated time 2: Relative time
SB TIME DATA	This field is available only when "Yes" is selected in "SB TIME PRINT". Enter the number of hours and press this field.
SHELF LIFE (DAYS)	This field is available only when "Yes" is selected in "SB DATE PRINT". Enter the number of days and press this field.
USE BY DATE PRINT	Press [YES] or [NO] in this field to select whether or not to print the use-by date.
UB DATE DATA	This field is available only when "Yes" is selected in "USE BY DATE PRINT". Enter the number of hours and press this field.
DATE CAL	Press [YES] or [NO] in this field to select whether or not to select production to the next day.


## 4.2.6 PLU DETAIL (CODE) REGISTRATION

Returns to the PLU List screen.

### REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

ITEM	DESCRIPTIONS
ITEM CODE	Enter an item code and press this field.
REG CODE	Enter the register code and press this field.
POS FLAG	Enter a POS flag number and press this field.
BARCODE	Enter a barcode number and press this field.
POS REFERENCE	Press [<] or [>] to select a desired reference method. 0: Refer 1: PLU file
BARCODE TYPE	This field is available only when "1: PLU File" is selected in "POS REFERENCE". Press this field to display the Barcode Type screen, and press a desired PLU type for selection.

<p>POS FORMAT (WGT)</p>	<p>Press this field to display the Barcode Format screen, and press a desired barcode format for selection.</p> 
<p>TRACE ENABLE</p>	<p>Press [YES] or [NO] in this field to select whether or not to enable a traceability function.</p>
<p>DEPARTMENT NO.</p>	<p>Press this field to display the Department screen. To set a department, press a desired field on the list, or press the "DEPARTMENT No." field after numerical entry.</p>
<p>GROUP NO.</p>	<p>Press this field to display the Group screen. To set a group, press a desired field on the list, or press the "GROUP No." field after numerical entry.</p>

## 4.2.7 PLU DETAIL (WRAP) REGISTRATION

PLU / DETAIL (WRAP) FE.14.2015 (SAT) 6:02

1 < RIB STEAK >

TRAY No. 0 WRAP MODE < 1:WRAP+LABEL > VOLUME < 0:NONE >

PASTE MODE < 1:AUTO > DIRECTION < 0:NORM. PASTE > TRAY VOL. DETECT. < 1:AUTO >

FEED SPEED < 0:TRAY REF. > WRAP SPEED < 0:TRAY REF. > TRAY AUTO DETECT. < 2:YES >

TRAY CENTERING < 0:YES >

TRAY HOLD < 0:TRAY REF. >

UP 1 UP 2 UP 3 UP 4 UP 5 PREVIEW DELETE

SALE1 MSG. IMAGE PRINT DATE CODE WRAP

Returns to the PLU List screen.

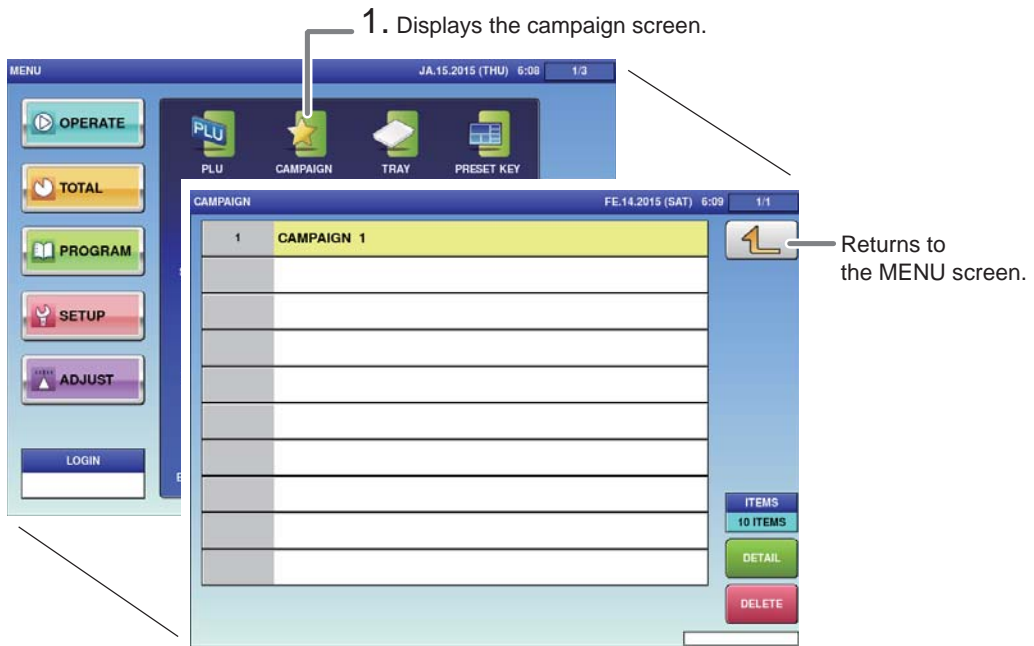
### ■ REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

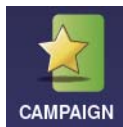
ITEM	DESCRIPTIONS
TRAY NO.	Enter a desired format number and press this field.
WRAP MODE	Press [<] or [>] to select WRAP MODE. 1:Wrap + Label 2:Label 3:Wrap
VOLUME	Press [<] or [>] to select the filling height. 0: None 1:Low 2:Middle 3:High 4:Auto
PASTE MODE	Press [<] or [>] to select PASTE MODE. 1: Auto 2: Manual
DIRECTION	Press [<] or [>] to select the labeling direction. 0:Normal Paste 1:Horizontal Paste 2:Vertical Paste
TRAY VOL. DETECT	Press [<] or [>] to select TRAY VOLUME DETECT. 0:Select 1:Auto
FEED SPEED	Press [<] or [>] to select FEED SPEED. 0:Tray Reference 1:High 2:Middle 3:Low
WRAP SPEED	Press [<] or [>] to select WRAP SPEED. 0:Tray Reference 1:High 2:Middle 3:Low
TRAY AUTO DETECT	Press [YES] or [NO] in this field to select whether or not to detect the tray automatically.
TRAY AUTO CENTERING	Press [YES] or [NO] in this field to select whether or not to center the tray automatically.
TRAY HOLD	Press [<] or [>] to select TRAY HOLD. 0:Tray Reference 1:No 2:Yes

# 4.3 CAMPAIGN REGISTRATION

Here you can register campaign commodities and campaign prices.



**1.** Touch [CAMPAIGN] on the MENU screen.



The CAMPAIGN List screen will be displayed.



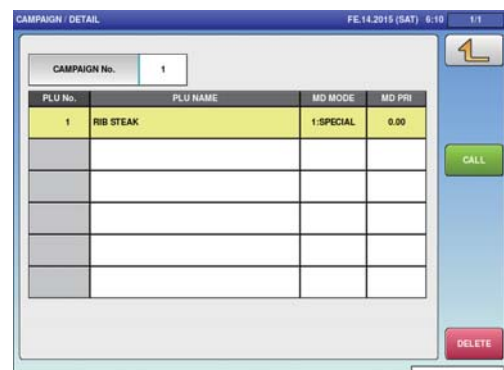
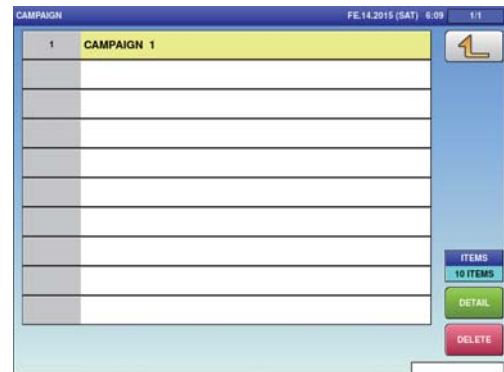
**2.** Enter the call-up number for the campaign.

You can enter a campaign number from 1 to 99.

Example: Campaign number 1



Touch [EXECUTE] once the registration confirmation screen is displayed, then the CAMPAIGN / DETAIL screen will be displayed.

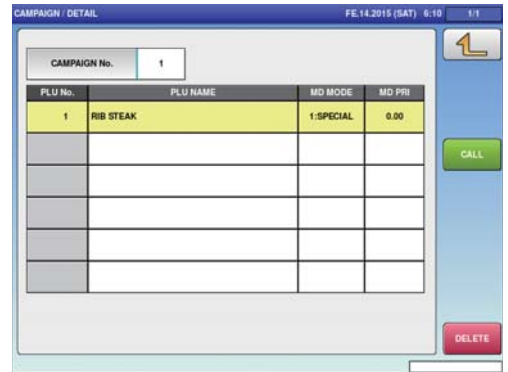


To edit the registered campaign data, touch the field of campaign data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

### 3. Select the campaign commodity.

Touch the [CALL] button to call out the PLU screen and touch the required commodity.

**CALL**

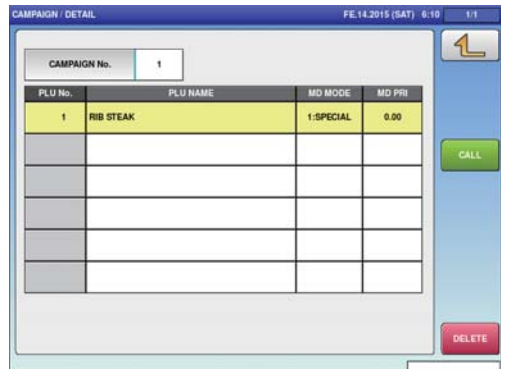


4

### 4. Select the campaign type.

Touch the [MD MODE] field to call out the CAMPAIGN MODE List screen and select the campaign.

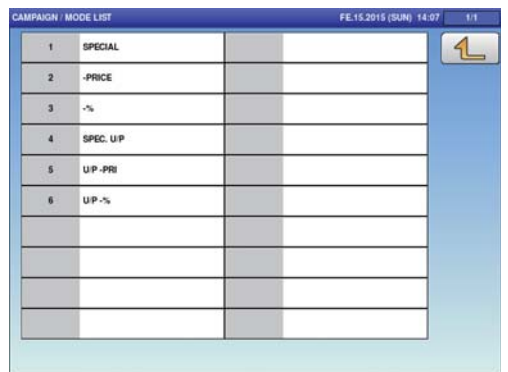
**MD MODE**



### 5. Register the campaign content.

Enter the numeric value and touch the [MD PRICE] field.

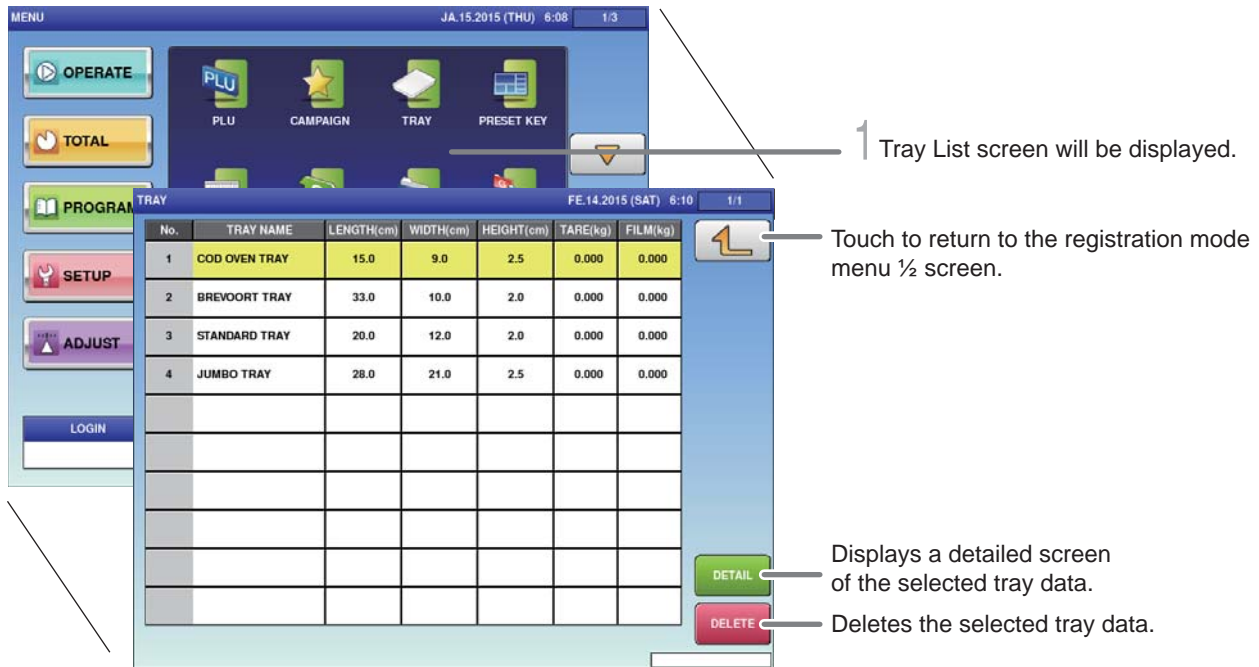
**0** ... **9** **MD PRICE**



## 4.4 TRAY REGISTRATION

Tray sizes and tray names can be registered. The tray automatic registration screen, tray manual registration screen, film adjustment screen and labeling position registration screen are there within the tray registration screen.

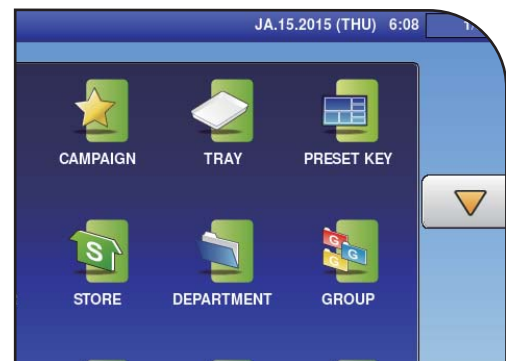
### 4.4.1 REGISTRATION OF TRAY LIST SCREEN



1. Touch [TRAY] on the PROGRAM MODE MENU 1/2 screen.



Tray List screen will be displayed.



2. Enter the tray call-up number.

Example: Tray call-up number 24



A storage tray call-up number can be entered within the range from 1 to 9999.





## 4.4.2 AUTOMATIC TRAY REGISTRATION

This section explains how to automatically register tray information such as the size, weight, and film weight.

Note: This function cannot be used for trays that the CMOS camera cannot recognize such as transparent trays.

Displays the tray name edit screen.

The screenshot shows the 'STANDARD TRAY' registration screen. At the top, it displays 'TRAY / DETAIL (AUTO)' and the date 'OCT.29.2014 (WED) 8:58AM'. The screen is divided into several sections: 'TRAY SHAPE' (STD., ROUND, SECTOR), 'FILM WGT.' (0.000 lb), 'LENGTH' (20.0 cm), 'WIDTH' (12.0 cm), 'WRAP SPEED' (HIGH, MIDDLE, LOW), 'HEIGHT' (2.0 cm), and 'FEED SPEED' (HIGH, MIDDLE, LOW). A central diagram shows a tray with dimensions. Below this, there are 'TRAY WGT.' (0.000 lb), 'ZERO', and 'WEIGHT' (0.000 lb) fields. A large text area says '<< AUTOMATIC CONFIGURATION START >>'. At the bottom, there are tabs for 'AUTO', 'MANUAL', 'ADJUST', 'FINE ADJ.', and 'TEST'. On the right side, there is a vertical column of buttons: 'LIFT SELECT', 'LABEL REGIS.', 'UPPER FILM SET', 'UPPER FILM FEED', 'LABEL CHANGE', 'RETURN', 'COPY', and 'DELETE'. Callouts point to these buttons with the following descriptions: 'Returns to the TRAY List screen.', 'Displays the label sticking registration screen.', 'Performs set-up operation of the film.', 'Issues the film.', 'Performs return operation of the machine.', 'Used to copy existing tray information.', and 'Deletes the called-up tray data.'

4



If the entered tray call-up number is a new tray call-up number, the machine automatically enters automatic registration mode.

1. From the tray registration screen, touch the [AUTO REGISTRATION] tab.



The tray (auto-registration) screen will be displayed.

2. Select the tray shape.



**3. Measure the height of the tray and enter it.**



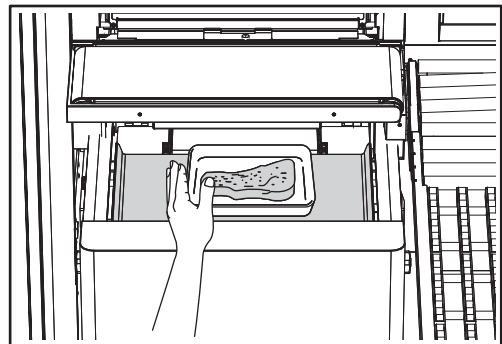
**4. Make sure that nothing is placed on the weighing unit conveyor or wrapping unit conveyor.**

**NOTE**

Make sure that the tray is placed in the center of the weighing platter. The tray may not be recognized correctly if it is not placed at the center.

**5. Place the tray to be registered at the center-front on the weighing platter.**

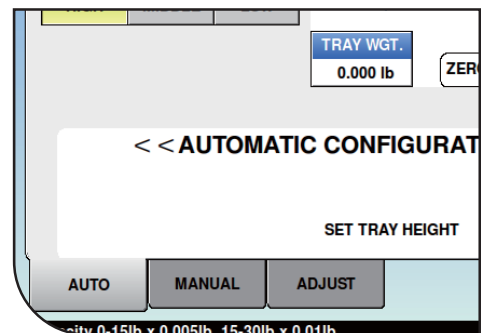
Weighing of the tray will start and the tray weight will be displayed in the WEIGHT field.



**6. Touch [TRAY WEIGHT].**



The measured tray weight will be registered.



**CAUTION**

The tray dimensions measured by the CMOS camera and the actual dimensions of the tray may not always be the same.

**7. Place the commodity item to be wrapped on the weighing platter.**

The CMOS camera will measure the tray dimensions and the measured dimensions will be registered. Continuously, the tray will be fed into the wrapping unit.

**8. Press the [PLU] stroke key.**



Wrapping will start and the wrapped tray is discharged.

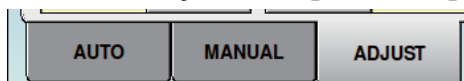
**9. Place the discharged wrapped tray on the weighing platter.**

Measurement and calculation of the wrapped tray will start and the result of calculated film weight will be registered.



For adjusting the film tension, refer to page 4-19 "SIMPLE FILM ADJUSTMENT".

## 10. If the finishing state of the wrapped commodity item is deficient in some way, touch [ADJUST].

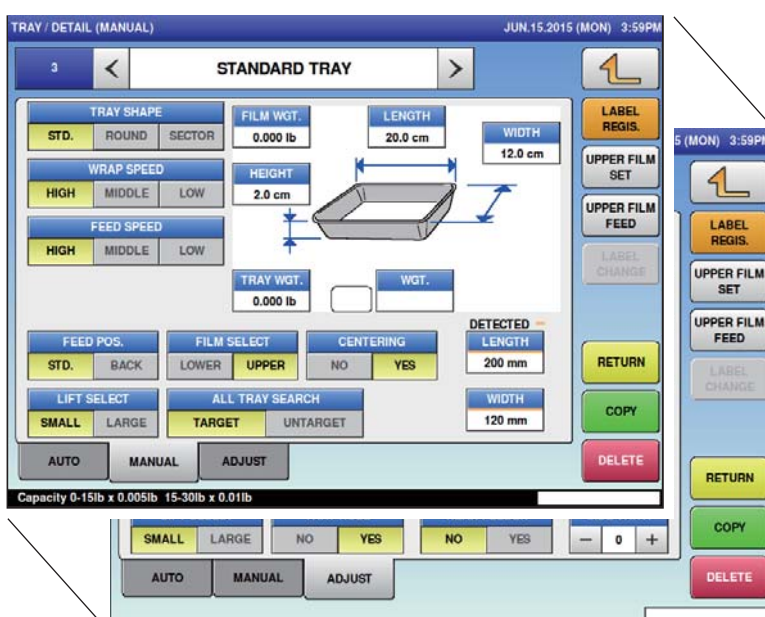


The TRAY (ADJUST) screen will be displayed.

Measurement and calculation of the wrapped tray will start and the result of calculated film weight will be registered.

### 4.4.3 MANUAL TRAY REGISTRATION

This section explains how to manually register tray information such as the size, weight, and film weight. Manual tray registration is used for special trays that cannot be fully adjusted.



4

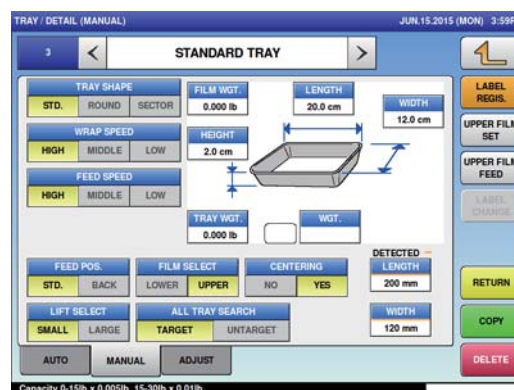
## 1. Touch the [MANUAL REGISTRATION] tab on the TRAY REGISTRATION screen.



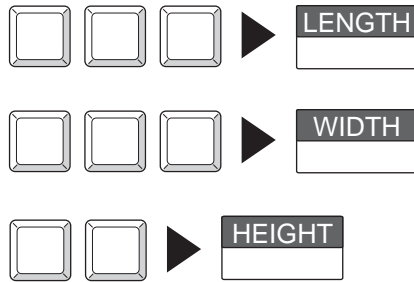
The TRAY (MANUAL REGISTRATION) screen is displayed.

## 2. Select and register the following.

- Tray shape
- Wrap speed
- Feed speed
- Feed position
- Film select
- Centering
- Lift select
- All tray search



**3. Measure the dimensions of the tray and enter them.**



**4. Make sure that nothing is placed on the weighing unit conveyor or wrapping unit conveyor.**

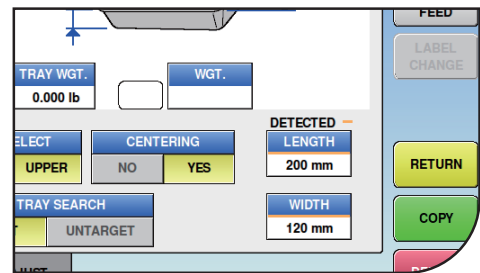
**CAUTION**

Automatic setting of tray weight is not possible unless [WEIGHT] is touched.

**5. Touch [WEIGHT].**

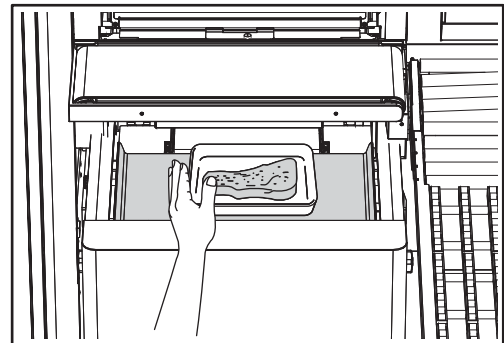


The measured tray weight will be registered.

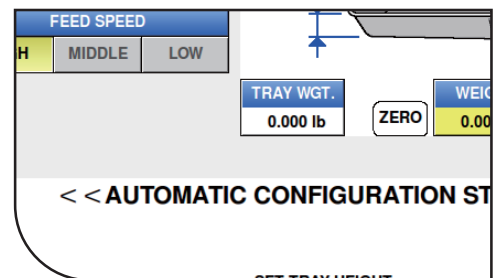


**6. Place the tray to be registered at the center on the weighing platter.**

Measurement of the tray will start and the tray weight is displayed in the WEIGHT field.



**7. Touch [TRAY WEIGHT].**



**8. Touch [WIDTH] and [LENGTH] in the tray detection field.**

The CMOS camera will measure the size of tray for automatic detection and the measured dimensions are registered.

**CAUTION**

The tray dimensions measured by the CMOS camera and the actual dimensions of the tray may not always be the same.



For adjusting the film tension, refer to page 4-19 "SIMPLE FILM ADJUSTMENT".

**9. Place the commodity item to be wrapped on the weighing platter.**

Place the commodity item to be wrapped on the weighing platter.

**10. Press the [PLU] stroke key.**

Wrapping will start and the wrapped tray is discharged.

**11. Place the discharged and wrapped tray on the weighing platter.**

Remove the film from the wrapped commodity item. → Touch [WEIGHT] on the screen. → Place the film on the weighing platter. → Touch [FILM WEIGHT] on the screen. → The calculated result of the film weight is registered.

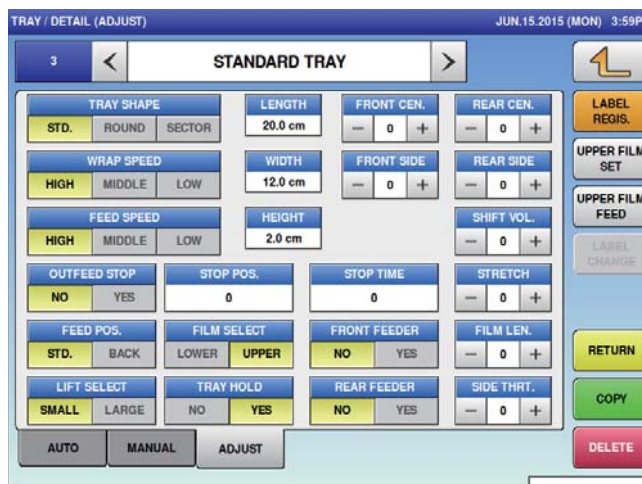
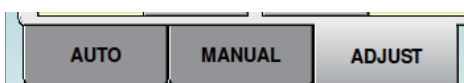
**12. If the finishing state of the wrapped commodity item is deficient in some way, touch [ADJUST].**

The TRAY (ADJUST) screen will be displayed.

Measurement and calculation of the wrapped tray will start and the result of calculated film weight will be registered.






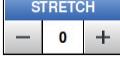
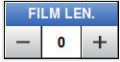



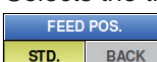

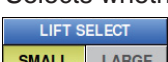
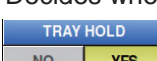
**4.4.4 SIMPLE FILM ADJUSTMENT**

After executing a tray test, you can adjust the film tension.

**1. Touch the [ADJUST] tab on the TRAY REGISTRATION screen.**

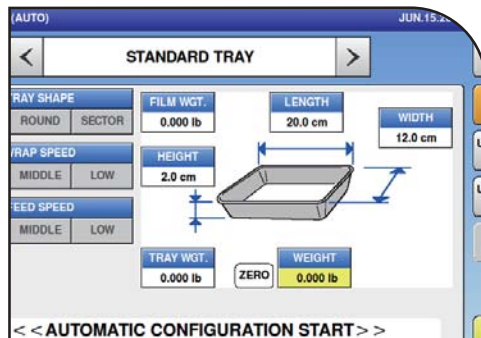
The TRAY (ADJUST) screen will be displayed.

## 2. Set the following where required.

Front-center filming	Adjusts the film strength on the near-side of the tray. 
Rear-center filming	Adjusts the film strength on the rear-side of the tray. 
Front- left,right filming	Adjusts the film strength on near-side to the left and right sides of the tray. 
Rear- left,right filming	Adjusts the film strength on the far-side to the left and right sides of the tray. 
Shift volume	Adjusts the volume shifted on the delivery part of the near-side film. 
Stretch volume	Adjusts the amount of film to be stretched. 
Film length	Adjusts the length of film to be cut. 
Left,right folding volume	Adjusts the film wrap amount to the left and right of the tray. 
Front-feeder (upthrust)	Decides whether to use the upthrust return function of the front feeder. 
Rear-feeder (upthrust)	function of the rear feeder. 
Supply position	Selects the tray supply position. 
Film	Selects the film to be used. 
Lift change	Selects whether to change lifts. 
Tray holder	Decides whether to use the tray hold-down function. 

## 4.4.5 TRAY NAME REGISTRATION

1. Touch Tray Name field on the TRAY REGISTRATION screen to display the tray name edit screen.



For entering the character, refer to page 4-58 "CHARACTER ENTRY METHOD".

2. Enter the tray name.

The tray name length can be a maximum of 9 characters long.



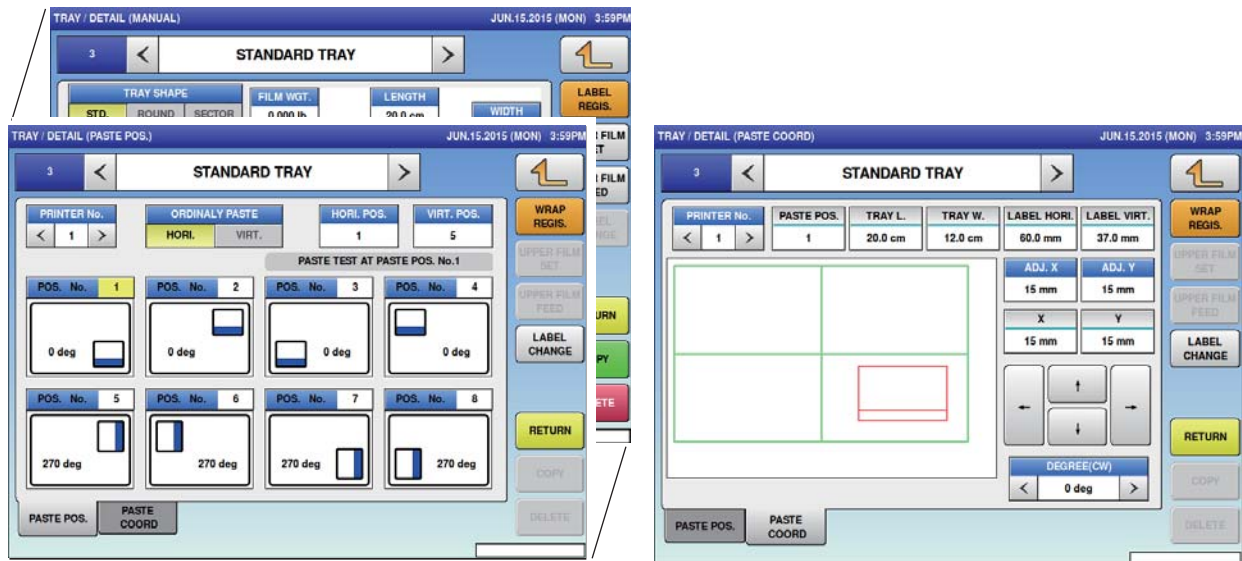
4

3. Touch the Return button on the TRAY NAME EDIT screen.



## 4.4.6 LABELING REGISTRATION

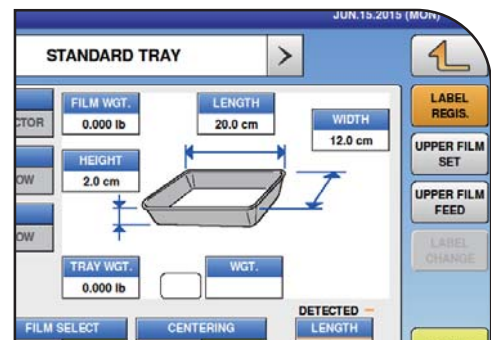
The machine can memorize one horizontal-direction and one vertical-direction labeling position for each tray.



1. Touch [LABELING REGISTRATION] on the tray screen.

LABEL  
REGIS.

The TRAY (LABELING POSITION) screen will be displayed.



2. For horizontal positioning, select one of labeling positions 1 – 4.

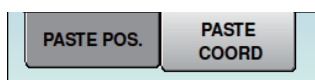


3. Perform the labeling test.

The applicator test will start when the tray is placed on the weighing platter. By pressing the [PLU] stroke key, the commodity item is discharged.

PLU

4. Touch the [applicator coordinates] tab on the TRAY (LABELING POSITION) screen.

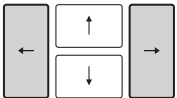
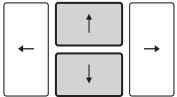



The TRAY (LABELING COORDINATES) screen is displayed.



## 5. Corrected the labeling position based on the position the label was applied to during the test in "Step 3".

(1) Corrected the labeling position.

Item	Description
<p>Left-right sticking position</p> 	<p>Adjust the left-right label sticking position. The position can be adjusted for in 1 mm increments. Additionally, touching the key after numeric entry will adjust the position for the number entered.</p>
<p>Up-down sticking position</p> 	<p>Adjust the up-down label sticking position. The position can be adjusted for in 1 mm increments. Additionally, touching the key after numeric entry will adjust the position for the number entered.</p>
<p>Rotation angle</p> 	<p>By touching <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>, the label sticking angle can be changed. Rotation angle can be set as 0°, 90° or -90°.</p>

(2) Touch the [LABELING POSITION] tab to return to the TRAY (LABELING POSITION) screen.

## 6. Select one of numbers 5 – 8 for the vertical labeling position.



Select one of numbers 5 – 8 for the vertical labeling position.

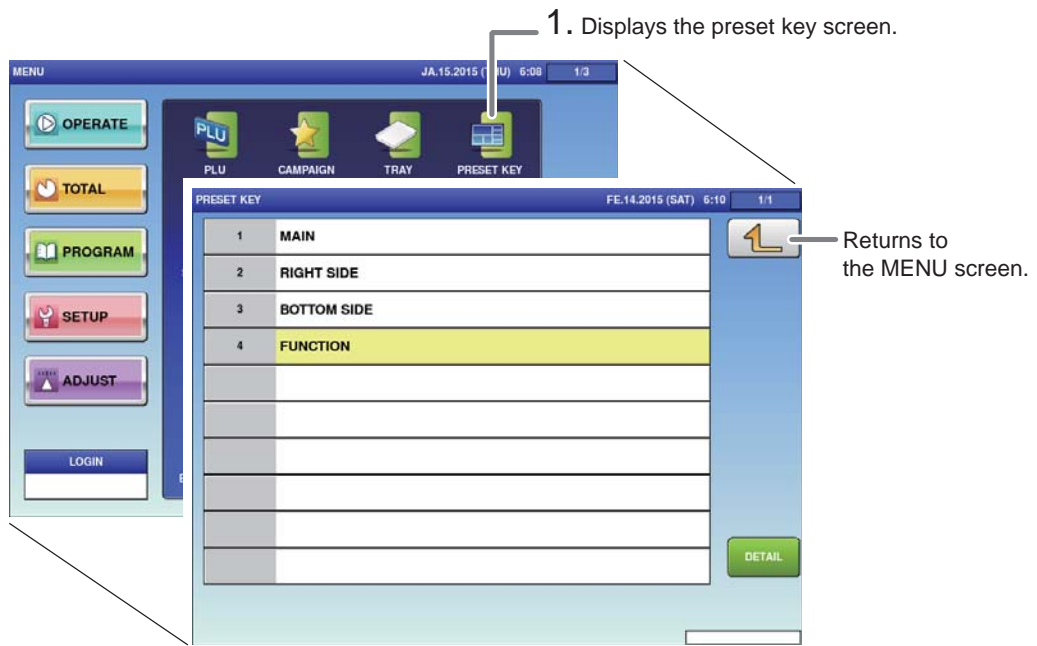
## 7. Select the labeling direction for normal use.



4

# 4.5 PRESET KEY REGISTRATION

Here you can register functions that are frequently used as preset keys.



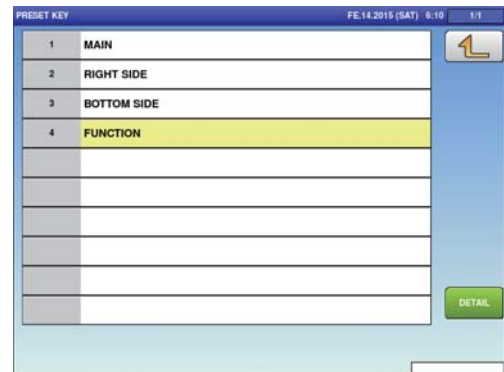
1. Touch the [PRESET KEY] on the MENU screen.



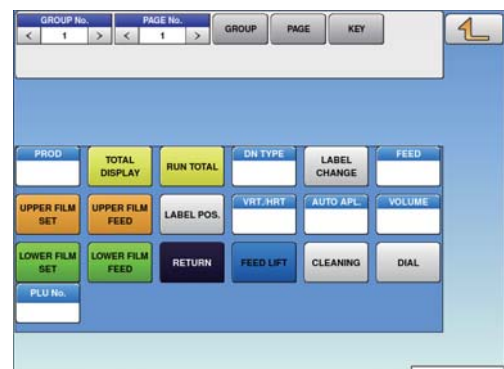
The PRESET KEY screen will be displayed.



2. Touch the location you want to register the preset key and press the [DETAIL] button.

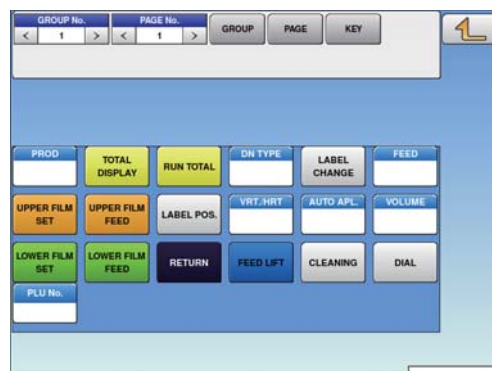


3. The preset key edit screen is displayed.



### 4.5.1 SETTING PRESET GROUPS AND PAGES

1. Press [<] or [>] to select the group or page number.



2. To create or delete the group or the page, press the [GROUP] or [PAGE] button, and then press a desired function button as shown below.

GROUP



4

### 4.5.2 SETTING PRESET KEYS

1. Select the group and the page where you want to add the preset key, and then press the [KEY] button and then [NEW] button.

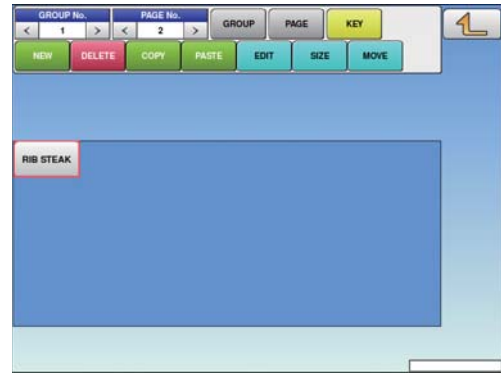
KEY



2. Available preset keys are listed on the screen. To turn pages, press [▼] or [▲]. Press a desired function for selection.

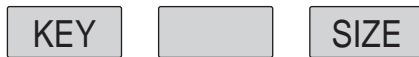
FUNCTION		AL 12.2015 (MON) 4:03	1/6
0	NONE	11	COUPON
1	PLU	14	% TARE
2	TARE	15	RUN TOTAL
3	F/P	16	EXTRA1
4	MULTI	17	INGREDIENT
5	SPECIAL	18	EXTRA3
6	-\$	19	FIX PR +WEIGHT
7	-%	20	SP.(U/P)
9	POP	22	FORMAT 1
10	VOID	23	IMAGE 1

- The selected preset key has been assigned.



### 4.5.3 CHANGING PRESET KEY SIZES AND POSITIONS

- Select the group and the page that the preset key you want to edit is located, and then press [KEY] key, desired preset key, and [SIZE] or [MOVE] key.



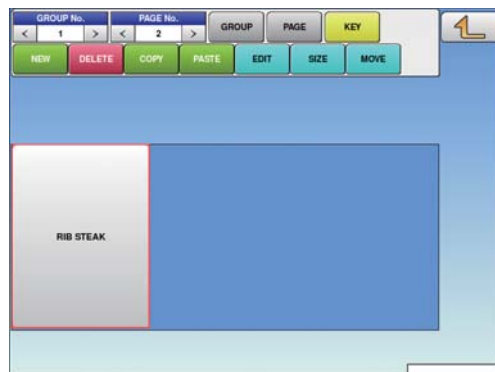
- Press either the [SIZE] or [MOVE] button. Set desired key size and position by using the arrow buttons, or directly enter the numeric value and touch the required field.



## 4.5.4 EDITING PRESET KEYS

1. Select the group and the page that the preset key you want to edit is located.

Then, press the [KEY] button, the preset key, and the [EDIT] button.



2. To split the preset key display into two portions, enter the numeric values and touch the [SPLIT] field.

Enter the numeric value and touch the [SPLIT] field.



3. To change the font size, enter the numeric values and touch either the [TITLE FONT] or [FONT] field.



4. To change the preset key title, press the [TEXT EDIT] field.

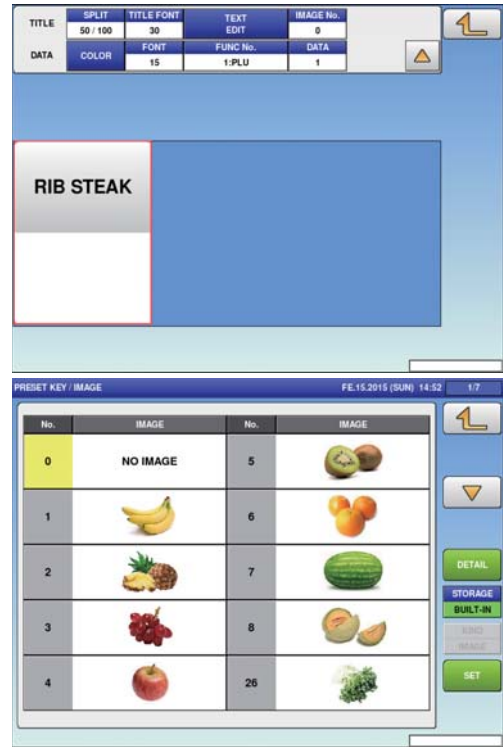


4

**5. To assign a desired image to the preset key, press the [IMAGE No.] field.**

The Preset Key / Image screen is displayed.  
Press a desired image for selection.

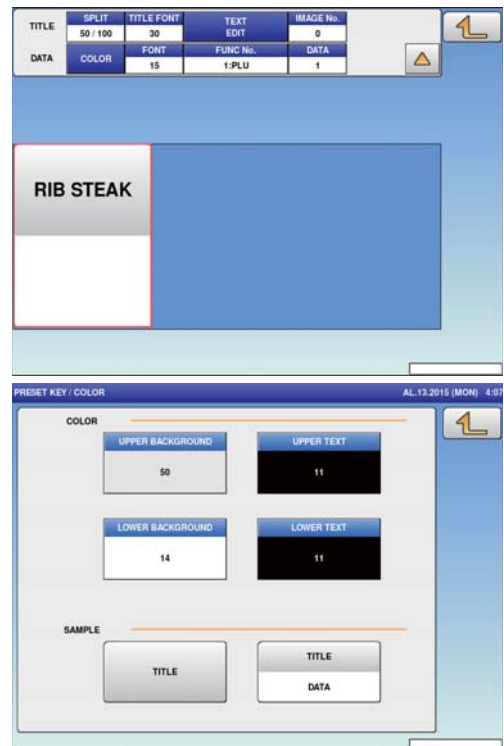
IMAGE No.



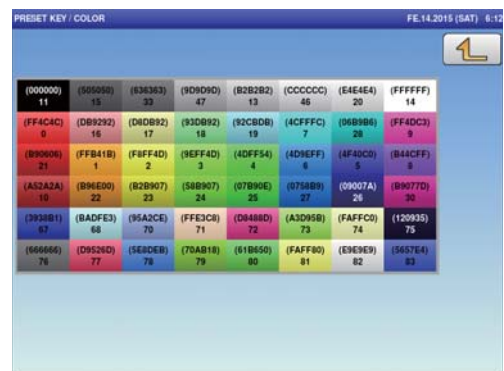
**6. To change the color of the preset key, press the [COLOR] button.**

To change the background color, press either the "UPPER BACKGROUND" or "LOWER BACKGROUND" field.  
To change the font color, press the "UPPER TEXT" or "LOWER TEXT" field.

COLOR      UPPER BACKGROUND



**7. Press a desired color for selection.**



**8. To change the preset key operation, press the “FUNC No.” field.**

Available functions are listed on the screen. Press a desired function for selection.

FUNC No.



4

**9. To change the PLU number called up by the preset key, press the “DATA” field.**

The PLU screen is displayed. Then, press a desired field for selection.

DATA

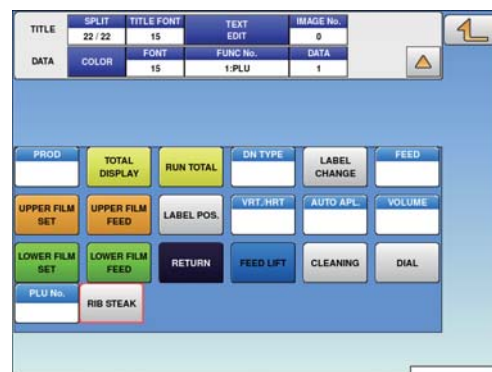


**4.5.5 DELETING PRESET KEYS**

**1. Select the group and the page that the preset key you want to delete is located.**

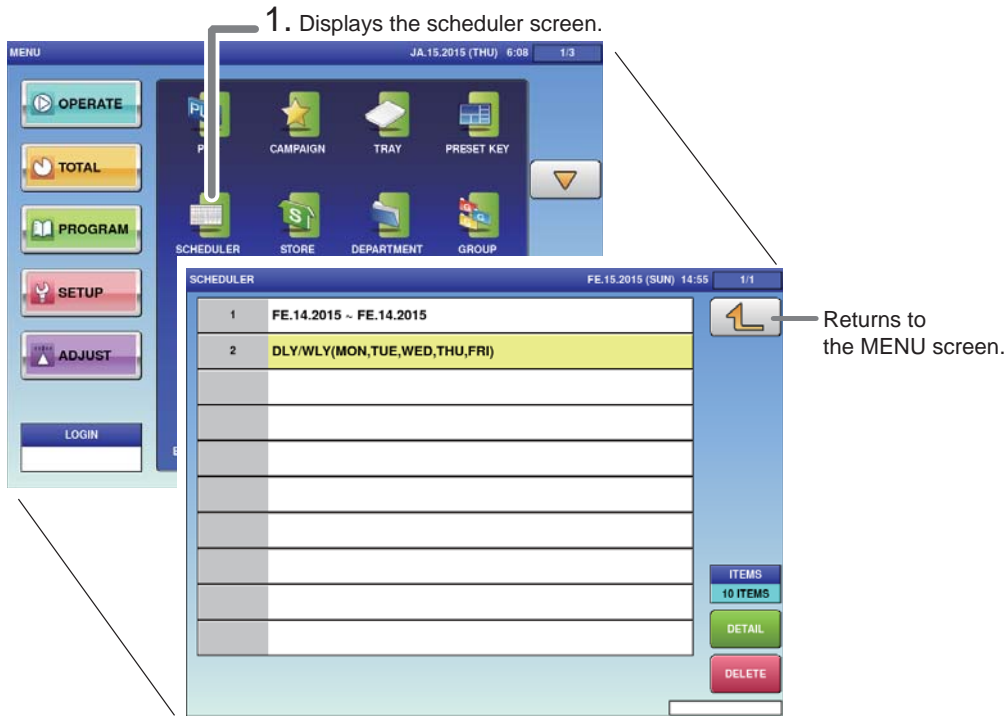
Then, touch the [KEY] button, preset key, and the [DELETE] button.

KEY  DELETE

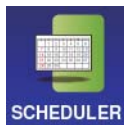


# 4.6 SCHEDULE REGISTRATION

Here you can register store names and addresses.



1. Touch [SCHEDULE] on the MENU screen.



The SCHEDULER screen will be displayed.



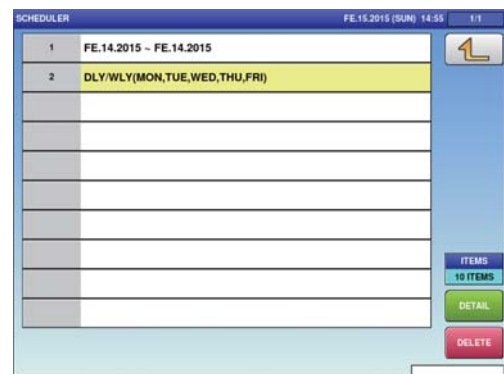
2. Enter the call-up number for the schedule.

You can enter a schedule number from 1 to 9999.

Example: Schedule number 1



Touch [EXECUTE] once the registration confirmation screen is displayed. The SCHEDULER / DETAIL screen will be displayed.



To edit the registered schedule data, touch the field of scheduler data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.



### 3. Select the schedule format.

- 0: DATE. .... Specify the start date and end date, the start time and end time.  
 1: DLY/WLY .... Specify the day of the week.

### 4. Enter the required item.

<input type="text" value="0"/>	...	<input type="text" value="9"/>	START DATE
<input type="text" value="0"/>	...	<input type="text" value="9"/>	START TIME
<input type="text" value="0"/>	...	<input type="text" value="9"/>	END DATE
<input type="text" value="0"/>	...	<input type="text" value="9"/>	END TIME

### 5. When [DLY / WLY] is set in the [SCHEDULE TYPE] field, press a desired day of the week for selection.

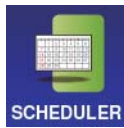
SCHEDULE TYPE

The screenshot shows the 'SCHEDULER / DETAIL(SCHEDULE)' interface. The 'SCHEDULE No.' is 2. The 'SCHEDULE TYPE' is set to '1-DLY/WLY'. The 'START DATE' is '15.11.2015' and the 'END DATE' is '15.11.2015'. The 'START TIME' is '00:00' and the 'END TIME' is '23:59'. Below these fields, there are seven buttons representing the days of the week: SUN, MON, TUE, WED, THU, FRI, and SAT. The MON, TUE, and FRI buttons are highlighted in yellow, indicating they are selected. At the bottom, there are 'SCHEDULE' and 'DATA' tabs.

4

## 4.6.1 SLEEP MODE SETTING

1. Touch [SCHEDULE] on the MENU screen.



The SCHEDULER screen will be displayed.



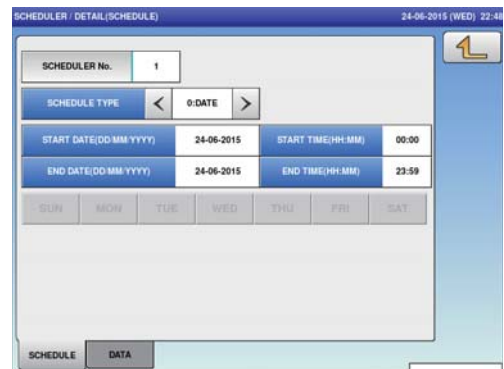
2. Touch [DETAIL].

The SCHEDULER / DETAIL screen will be displayed.

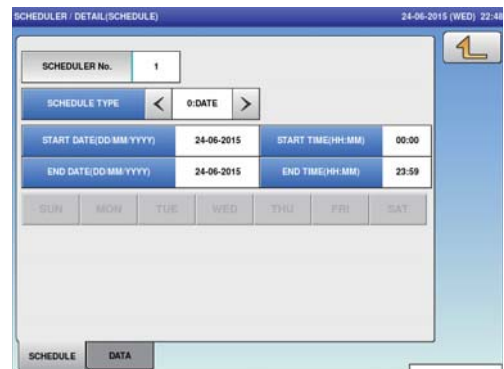


3. Enter the period when the sleep mode is applied.

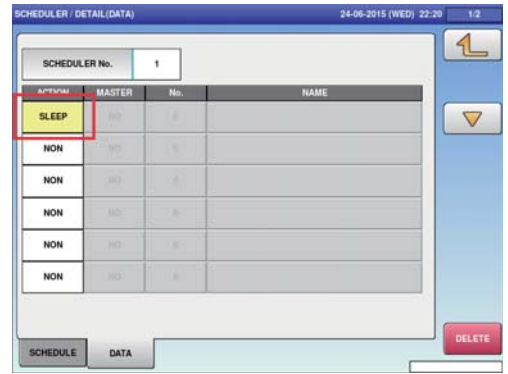
<input type="text" value="0"/>	...	<input type="text" value="9"/>	START DATE
<input type="text" value="0"/>	...	<input type="text" value="9"/>	START TIME
<input type="text" value="0"/>	...	<input type="text" value="9"/>	END DATE
<input type="text" value="0"/>	...	<input type="text" value="9"/>	END TIME



4. Touch the [DATA] tab.



5. Touch the [ACTION] field and select [SLEEP].



6. Touch [RETURN] several times to return to the MENU screen.



4

7. Touch [SETUP].



8. Touch [STANDBY MODE] on the MENU screen.



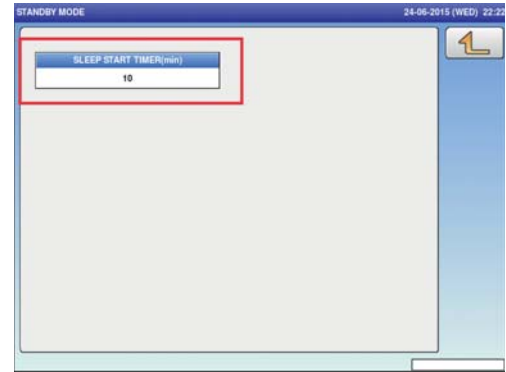
- 9.** The machine will sleep if it is not operated for a certain number of minutes, or touch the [SLEEP START TIMER (min)] field.



The machine will sleep if it is not operated for the number of minutes decided in the stand-by mode.

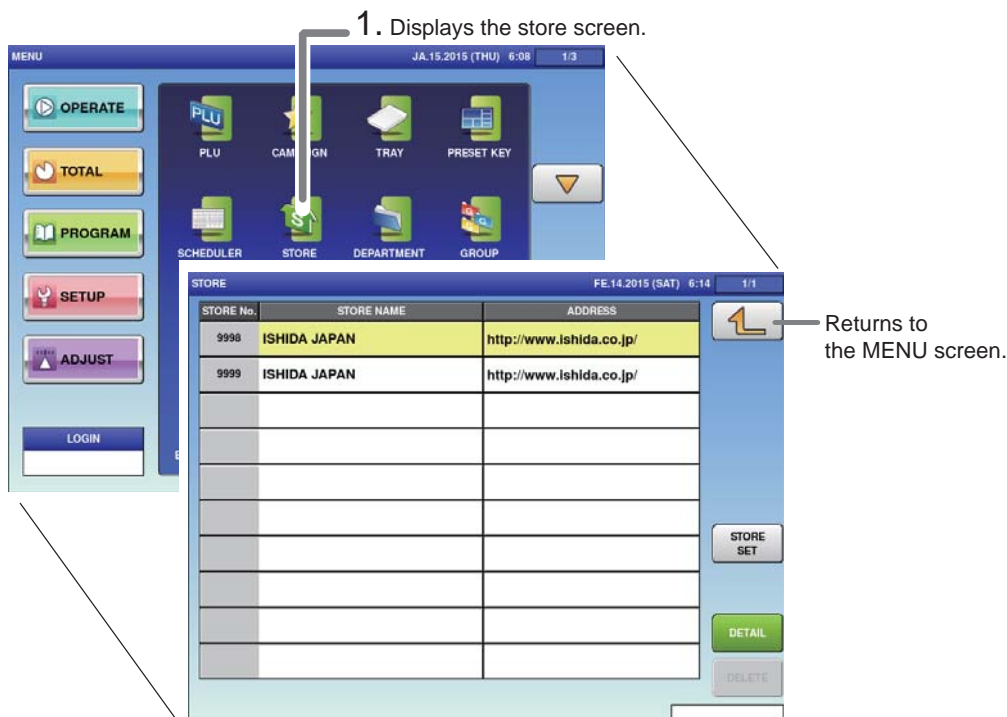
Campaigns can also be registered by using the same procedure as that for the sleep mode setting

When registering campaigns, register the campaign master in the [No.] field after selecting [ACTIVATE] in the [ACTION] field and [CAMPAIGN] in the [MASTER] field.



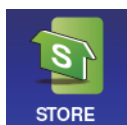
# 4.7 STORE REGISTRATION

Here you can register store names and addresses.



To setup for multiple store operation, a change in settings is required. Consult your ISHIDA dealer.

## 1. Press [STORE] on the MENU screen.



The STORE screen will be displayed.



## 2. Enter the call-up number for the store.

You can enter a store number from 1 to 9999.

Example: Store number 9998



To edit the registered store data, touch the field of store data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

Touch [EXECUTE] once the registration confirmation screen is displayed. The STORE / DETAIL screen will be displayed.



### 3. Enter the store name and address.

Touch the "STORE NAME" or "ADDRESS" field to call out the text edit screen and enter the store name or address.



After completing entry, touch the Return button.



### 4. Set the printer.

Touch [STORE SET] to call-out the STORE SET screen and allocate a store number to each printer.

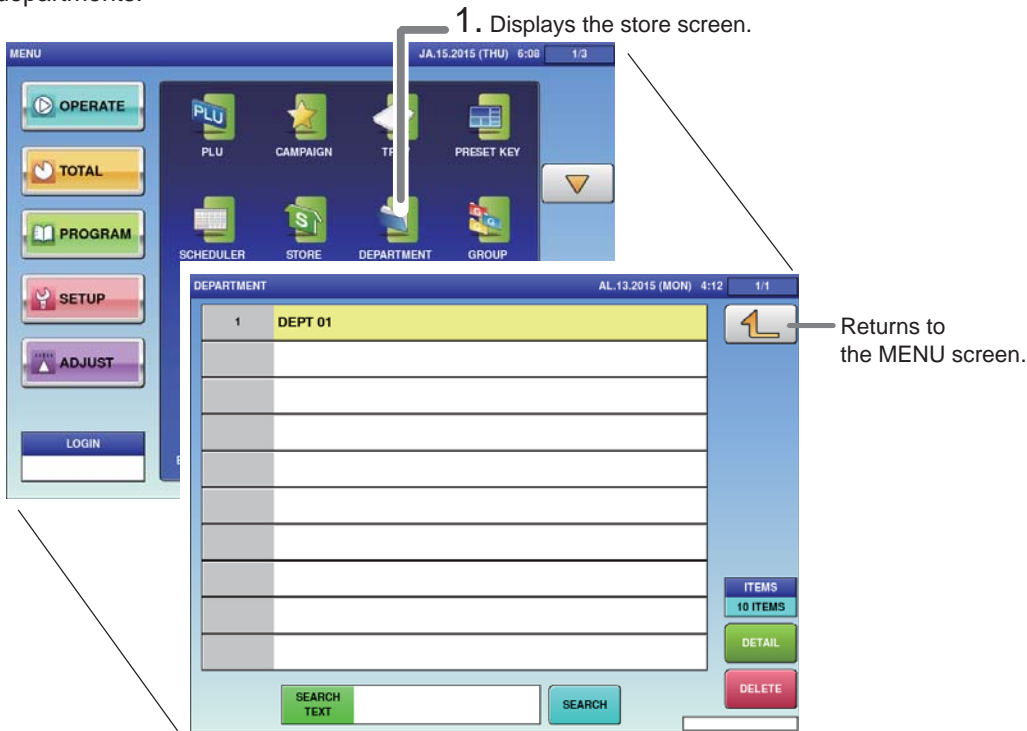


After completing entry, touch the Return button.



# 4.8 DEPARTMENT REGISTRATION

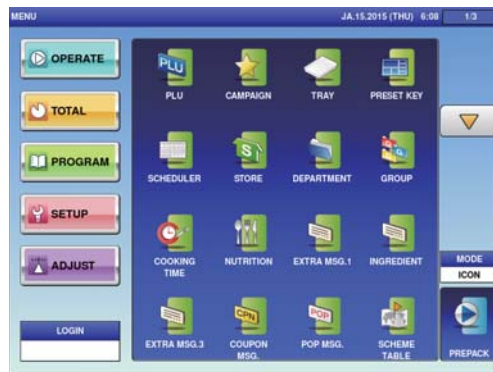
Here you can register departments.



## 1. Touch [DEPARTMENT] on the MENU screen.



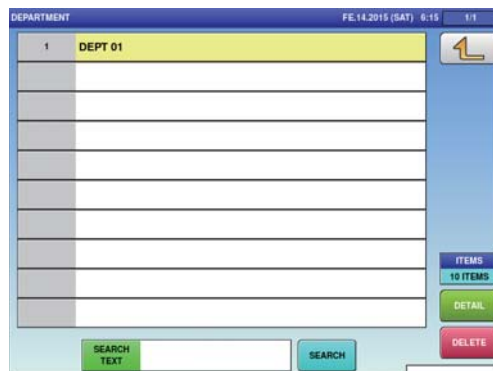
The DEPARTMENT screen will be displayed.



## 2. Enter the call-up number for the department.

You can enter a department number from 1 to 9999.

Example: Department number 1



To edit the registered department data, touch the field of department data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

Touch [EXECUTE] once the registration confirmation screen is displayed. The DEPARTMENT / EDIT screen will be displayed.



### 3. Enter the DEPARTMENT name.

After completing entry, touch the Return button.



The same procedure is used for both GROUP and DEPARTMENT.





# 4.9 COOKING INSTRUCTION REGISTRATION

Here you can register the cooking method, the cooking time and the cooking amount.



1. Displays the cooking time screen.

**1. Touch [COOKING TIME] on the MENU screen.**



The COOKING TIME List screen will be displayed.



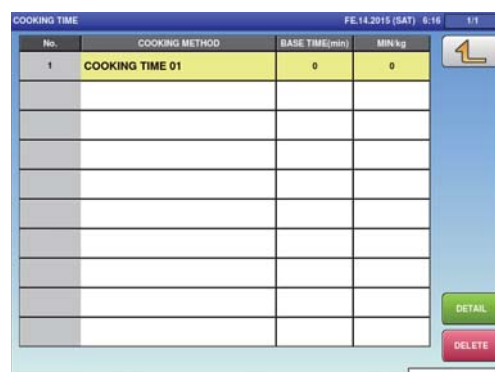
**2. Enter the call-up number for the cooking time.**



To edit the registered cooking time data, touch the field of cooking time data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

You can enter a cooking time number from 1 to 9999.

Example: Cooking time number 1



Touch [EXECUTE] once the registration confirmation screen is displayed. The COOKING TIME / EDIT screen will be displayed.



4

### 3. Enter the cooking method name.

After completing entry, touch the Return button.



### 4. Register the cooking time and cooking amount.

BASE TIME (min)

Set the cooking time for reference.  
(0 – 99)



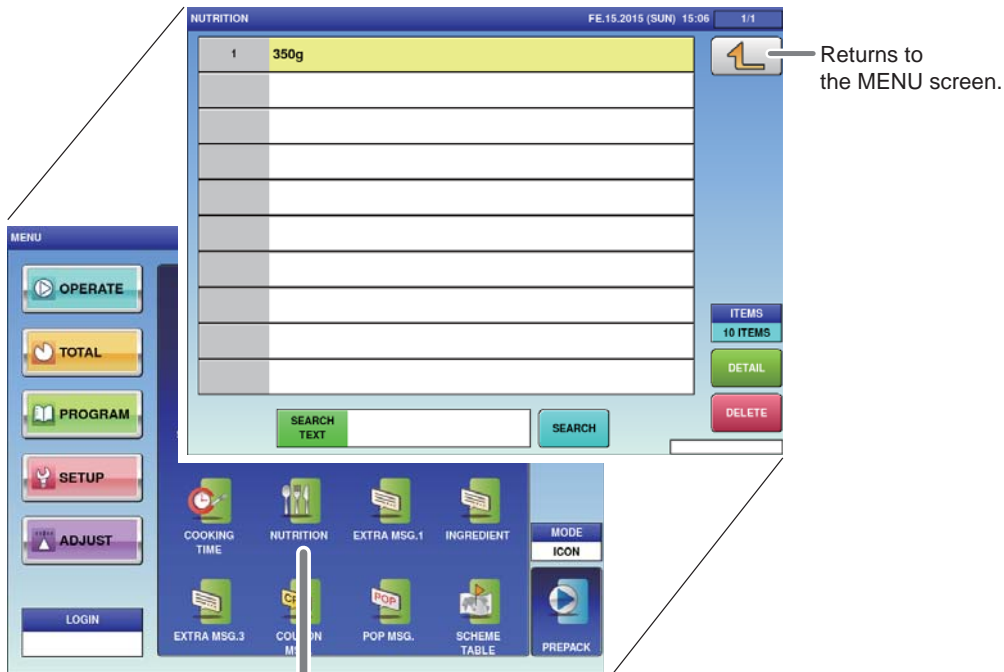
MIN/kg

Set the cooking time to be added per unit weight.  
(0 – 99)



# 4.10 NUTRITIONAL REGISTRATION

Here you can register the amount per unit and nutrition per unit-amount.

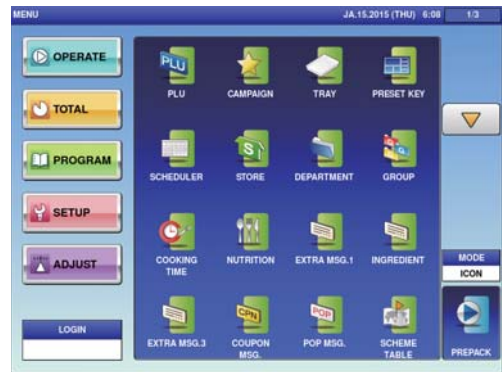


1. Displays the nutrition screen.

## 1. Touch [NUTRITION] on the MENU screen.



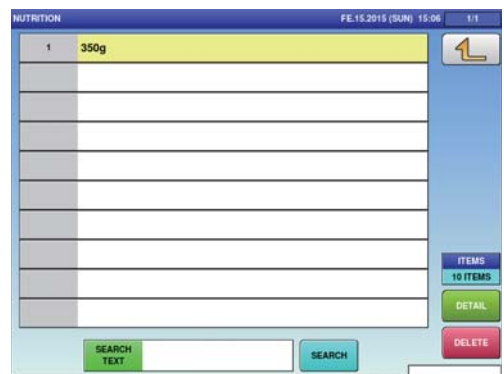
The NUTRITION List screen will be displayed.



## 2. Enter the call-up number for the nutrition.

You can enter a nutrition number from 1 to 9999.

Example: Nutrition time number 1



To edit the registered nutrition data, touch the field of nutrition data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

Touch [EXECUTE] once the registration confirmation screen is displayed. The NUTRITION DATA PROGRAMMING screen will be displayed.



### 3. Enter the serving size.

Touch the [SERVING SIZE] and [SERVING SIZE 2] fields to call out the text edit screen and enter the serving size. After completing entry, touch the Return button.

SERVING SIZE

The screenshot shows the 'NUTRITION DATA PROGRAMMING' interface. At the top, it says 'NUTRITION No. 1' and 'SERVING SIZE 350g'. Below this, there are two rows for 'SERVING SIZE 2'. The main table contains the following data:

TOTAL CALORIES	400	SERVING PER CONT	0	CALORIE FORM FAT	0
TOTAL FAT	0g	0%	CARBOHYDRATE	0g	0%
SATURATED FAT	0g	0%	DIETARY FIBER	0g	0%
CHOLESTEROL	0mg	0%	PROTEIN	0g	0%
SODIUM	0mg	0%	SUGARS	0g	0%
TRANS FAT	0g				
VITAMIN A%	0	CALCIUM%	0		
VITAMIN C%	0	IRON%	0		

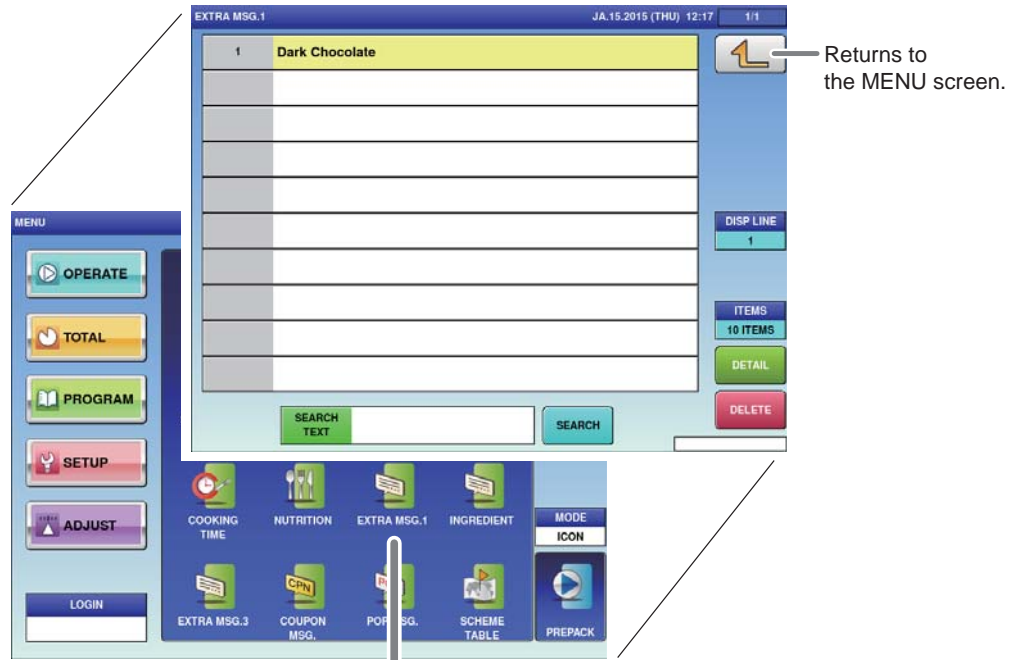
This is an identical screenshot to the one above, showing the 'NUTRITION DATA PROGRAMMING' interface with the 'SERVING SIZE' field highlighted.

### 4. Enter the required item.

<input type="text" value="0"/> ... <input type="text" value="9"/>	TOTAL CALORIES	<input type="text" value="0"/> ... <input type="text" value="9"/>	VITAMIN A%
<input type="text" value="0"/> ... <input type="text" value="9"/>	SERVING PER CONT	<input type="text" value="0"/> ... <input type="text" value="9"/>	VITAMIN C%
<input type="text" value="0"/> ... <input type="text" value="9"/>	CALORIE FORM FAT	<input type="text" value="0"/> ... <input type="text" value="9"/>	CARBOHYDRATE
<input type="text" value="0"/> ... <input type="text" value="9"/>	TOTAL FAT	<input type="text" value="0"/> ... <input type="text" value="9"/>	DIETARY FIBER
<input type="text" value="0"/> ... <input type="text" value="9"/>	SATUATED FAT	<input type="text" value="0"/> ... <input type="text" value="9"/>	PROTEIN
<input type="text" value="0"/> ... <input type="text" value="9"/>	CHOLESTEROL	<input type="text" value="0"/> ... <input type="text" value="9"/>	SUGARS
<input type="text" value="0"/> ... <input type="text" value="9"/>	SODIUM	<input type="text" value="0"/> ... <input type="text" value="9"/>	CALCIUM%
<input type="text" value="0"/> ... <input type="text" value="9"/>	TRANS FAT	<input type="text" value="0"/> ... <input type="text" value="9"/>	IRON%

# 4.11 EXTRA MESSAGE REGISTRATION

Here you can register the amount per unit and nutrition per unit-amount.

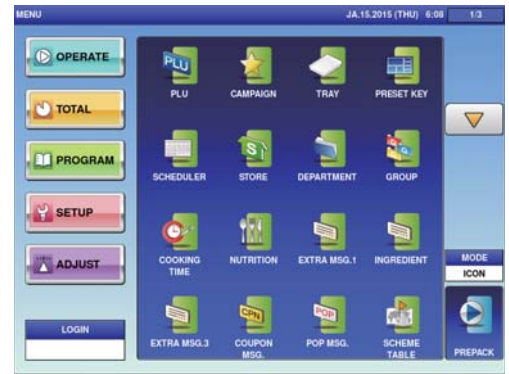


1. Displays the nutrition screen.

1. Touch [EXTRA MSG. 1] on the MENU screen.



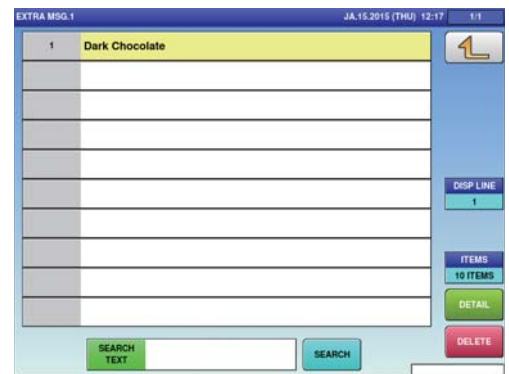
The EXTRA MESSAGE List screen will be displayed.



2. Enter the call-up number for the extra message.

You can enter a message number from 1 to 9999.

Example: Extra message number 1



To edit the registered extra message data, touch the field of extra message data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

Touch [EXECUTE] once the registration confirmation screen is displayed. The EXTRA MESSAGE EDIT screen will be displayed.



### 3. Enter the message.

After completing entry, touch the Return button.



The same procedure is used for EXTRA MSG. 3, INGREDIENT, COUPON MSG., POP MSG., FREE MSG. 1-15 and EXTRA MSG. 1.

EXTRA MSG.1 EDIT JA.15.2015 (THU) 12:11

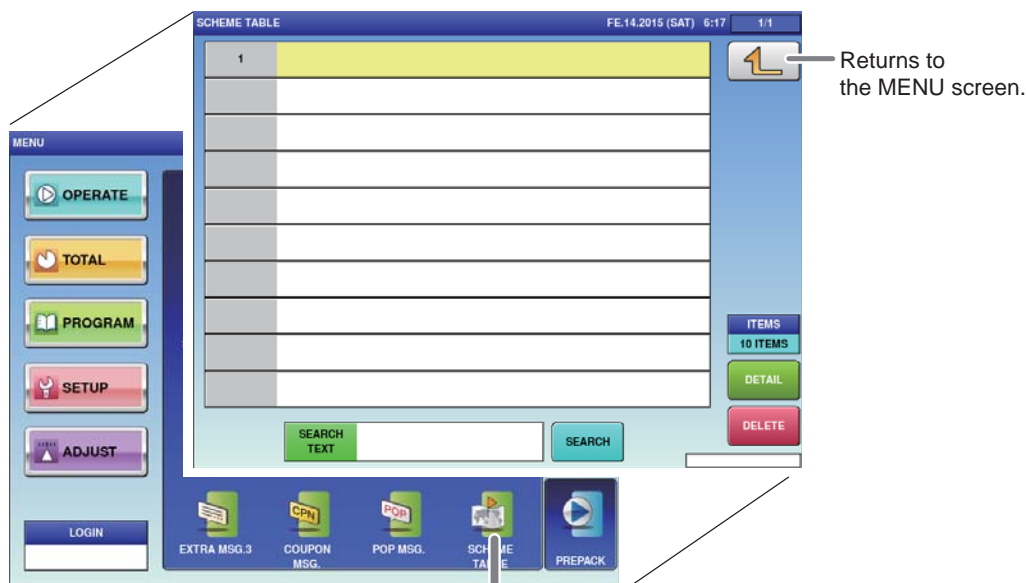
Dark Chocolate

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
	Z	X	C	V	B	N	M	,	.
Lower Case	#	%	*	&	New Line	Line Delete	Char Delete	↑	Back Space
Shift	Key Page	Under Line	Italic	Normal	Bold	Reverse	←	↓	→

No.	CHAR	REMAIN	STYLE	FONT	COPY	ERASE
1	014	4079	/	30x15/30x15		

# 4.12 SCHEME TABLE REGISTRATION

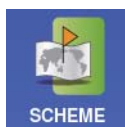
Here you can register scheme tables used for traceability.



1. Displays the nutrition screen.

4

## 1. Touch [SCHEME TABLE] on the MENU screen.



The SCHEME TABLE List screen will be displayed.



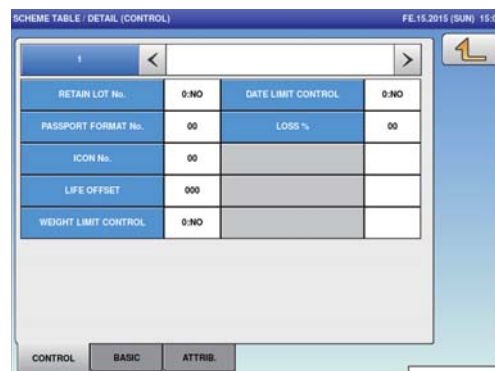
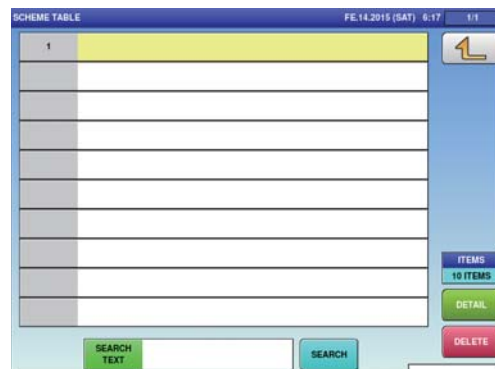
## 2. Enter the call-up number for the scheme table.

You can enter a table number from 1 to 9999.

Example: Table number 1



Touch [EXECUTE] once the registration confirmation screen is displayed. The SCHEME TABLE / DETAIL screen will be displayed.



To edit the registered extra message data, touch the field of extra message data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

### 3. Enter the scheme table.

Touch the name field to call out the text edit screen, and enter the table name. After completing entry, touch the Return button.



SCHEME TABLE / DETAIL (CONTROL) FE.15.2015 (SUN) 15:00

RETAIN LOT No.	0:NO	DATE LIMIT CONTROL	0:NO
PASSPORT FORMAT No.	00	LOSS %	00
ICON No.	00		
LIFE OFFSET	000		
WEIGHT LIMIT CONTROL	0:NO		

CONTROL BASIC ATTRIB.

SCHEME TABLE / DETAIL (EDIT) FE.15.2015 (SUN) 15:00

SCHEME TABLE 1\_

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
	Z	X	C	V	B	N	M	,	.
Lower Case	#	%	*	&	New Line	Line Delete	Char Delete	↑	Back Space
Shift	Key Page	Under Line	Italic	Normal	Bold	Reverse	←	↓	→

No.	CHAR	REMAIN
1	013	019

COPY ERASE



## 4.12.1 SCHEME TABLE / DETAIL (CONTROL) SCREEN REGISTRATION

Returns to the PLU List screen.

### ■ REGISTRATION METHOD FOR EACH ITEM

Select the required item and enter the details.

ITEM	DESCRIPTIONS
RETAIN LOT No.	Press this field to select whether or not to use this lot number. 0: No 1: Yes
PASSPORT FORMAT No.	Enter a numerical value and press this field.
ICON No.	Enter a numerical value and press this field.
LIFE OFFSET	Enter a numerical value and press this field.
WEIGHT LIMIT CONTROL	Press this field to select whether or not to control the weight limit. 0: No 1: Yes
DATE LIMIT CONTROL	Press this field to select whether or not to control the date limit. 0: No 1: Yes
LOSS %	Enter a numerical value and press this field

4

## 4.12.2 SCHEME TABLE / DETAIL (BASIC) REGISTRATION

SCHEME TABLE / DETAIL (BASIC) FE.15.2015 (SUN) 15:08

	AI	START	STOP	MAX DIGIT
LOT/CARCASS		00	00	00
GTIN		00	00	00
WEIGHT		00	00	00

PASSPORT LOT START: 0

PASSPORT GTIN START: 0

CONTROL BASIC ATTRIB.

Returns to the PLU List screen.

### ■REGISTRATION METHOD FOR EACH ITEM

Select the required item and enter the details.

ITEM	DESCRIPTIONS
LOT/CARCASS	Enter a numerical value and press the applicable data field.
GTIN	Enter a numerical value and press the applicable data field.
WEIGHT	Enter a numerical value and press the applicable data field.
PASSPORT LOT START	Enter a numerical value and press the data field.
PASSPORT GTIN START	Enter a numerical value and press this data field.

## 4.12.3 SCHEME TABLE / DETAIL (ATTRIB.) REGISTRATION

SCHEME TABLE / DETAIL (ATTRIB.) FE.15.2015 (SUN) 15:09 1/4

TITLE TEXT	START	STOP	AI	VARIABLE
	00	00		0:NO
	00	00		0:NO
	00	00		0:NO
	00	00		0:NO

CONTROL BASIC ATTRIB. DELETE

Returns to the PLU List screen.

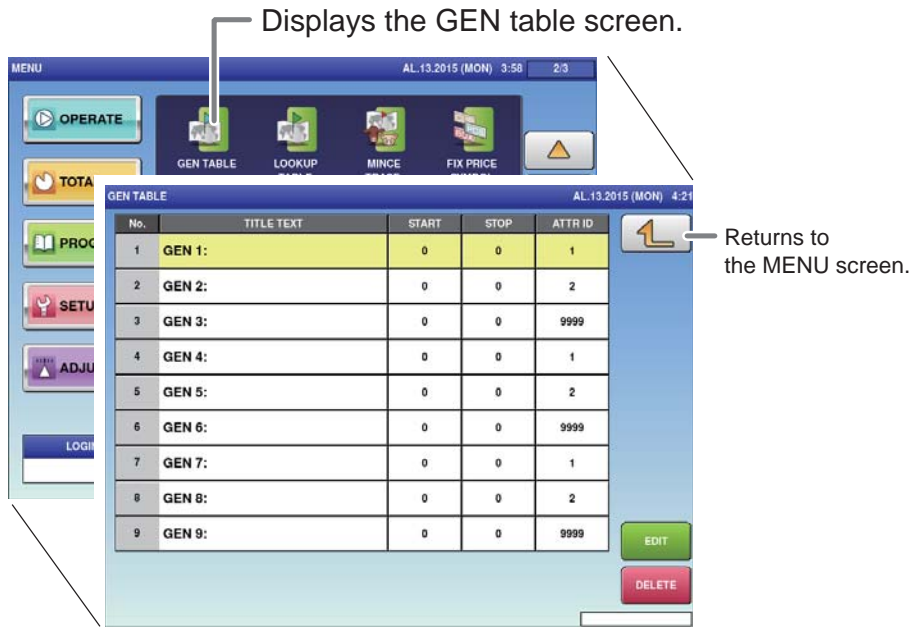
### ■REGISTRATION METHOD FOR EACH ITEM

Select the required item and enter the details.

ITEM	DESCRIPTIONS
TITLE TEXT	Touch the field to call out the text edit screen, and enter the title.
START	Enter a numerical value and press this data field.
STOP	Enter a numerical value and press this data field.
AI	Enter a numerical value and press this data field.
VARIABLE	Press this field to select whether the AI data is of variable length or not. 0: No 1: Yes
MAX DIGIT	Enter a numerical value and press this data field.
TYPE	Press this field to select the data type for the attribute. 0:REF 1:MULTIPLE 2:REF+DATA 3:DATA 4:GEN
REF. DIGIT	Enter a numerical value and press this data field.
MAX NUM	Enter a numerical value and press this data field.
ATTR. ID	Enter a numerical value and press this data field.
DATA TEXT	Touch the field to call out the text edit screen, and enter the text.
MANDATO.	Press this field to select whether the data is a mandatory item or not. 0: No 1: Yes
CONDITIONAL	Press this field to select whether the AI data is of variable length or not. 0: No 1: Yes
CR	Press this field to select whether the AI data is of variable length or not. 0: No 1: Yes
CHAR CNT	Enter a numerical value and press this data field.

# 4.13 GEN TABLE REGISTRATION

Here you can register GEN tables used for traceability.



1. Touch [GEN TABLE] on the MENU screen.



The GEN TABLE screen will be displayed.



2. Enter the call-up number for the GEN table.

You can enter a table number from 1 to 9999.

Example: Table number 1



Touch [EXECUTE] once the registration confirmation screen is displayed. The text edit screen will be displayed.



To edit the registered gen table data, touch the field of gen table data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

### 3. Enter the table name.

After completing entry, touch the Return button.

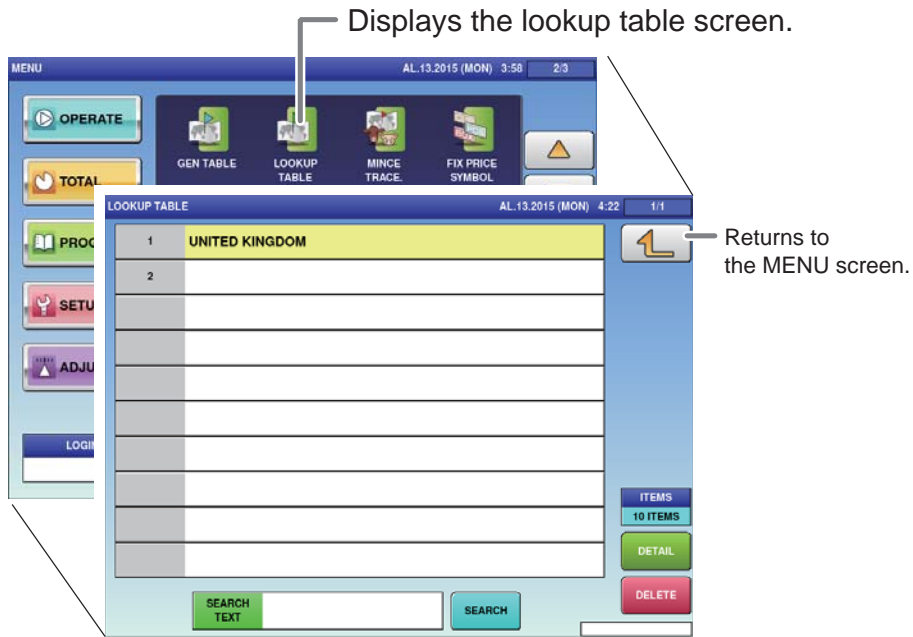


### 4. Enter the required item.

0	...	9	START
0	...	9	STOP
0	...	9	ATTR ID

# 4.14 LOOKUP TABLE REGISTRATION

Here you can register data that can be referred to upon commodity registration such as its place of origin.



1. Touch [LOOKUP TABLE] on the MENU screen.



The LOOKUP TABLE List screen will be displayed.



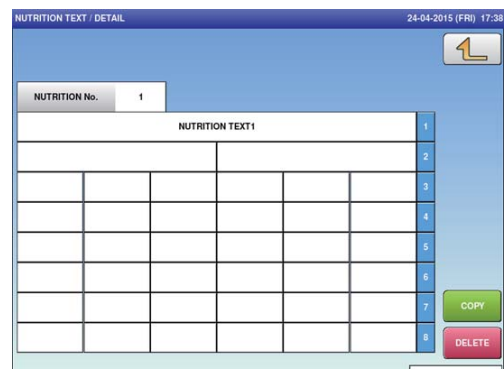
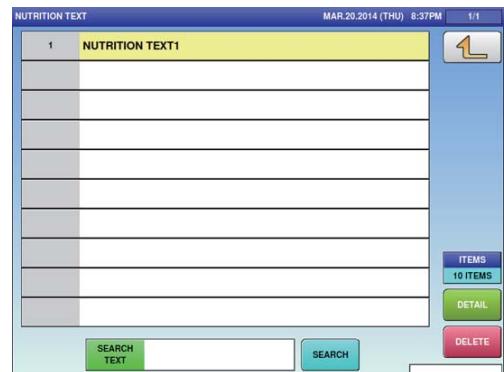
2. Enter the call-up number for the table.

You can enter a table number from 1 to 9999.

Example: Table number 1



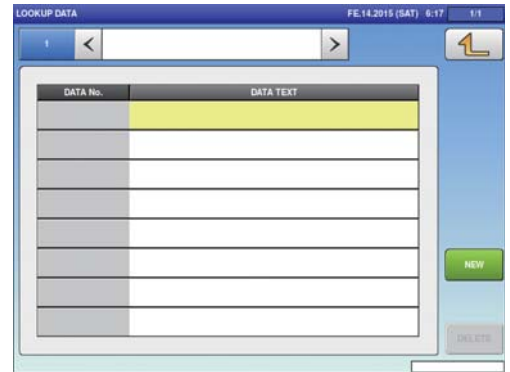
Touch the name field to call out the text edit screen and enter the table name. The text edit screen will be displayed.



To edit the registered lookup table data, touch the field of lookup table data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

### 3. Enter the lookup table name.

Touch the name field to call out the text edit screen and enter the table name. After completing entry, touch the Return button.



To edit the registered lookup table data, touch the field of lookup table data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

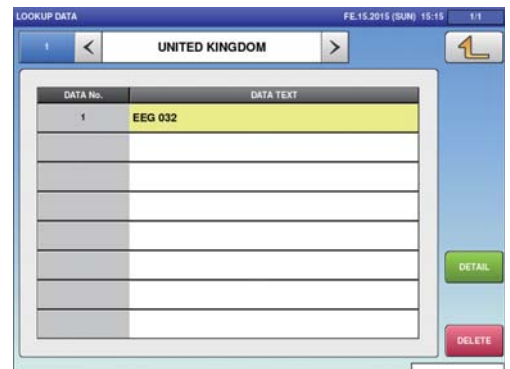
### 4. Enter the call-up number for the table data.

You can enter a table number from 1 to 9999.

Example: Table number 1



Touch the name field to call out the text edit screen and enter the table name. The text edit screen will be displayed.



## 5. Enter the data name.

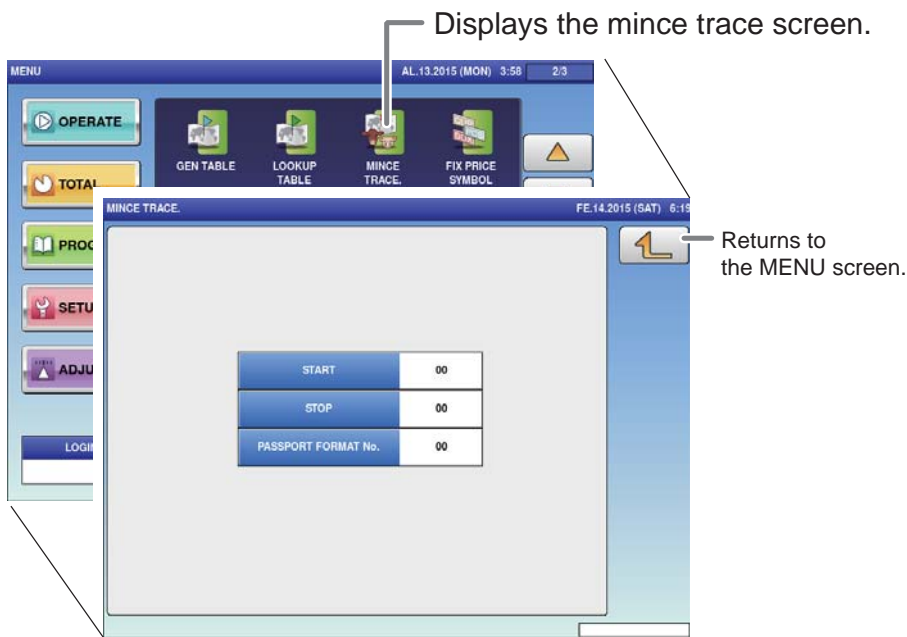
After completing entry, touch the Return button.



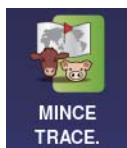


# 4.15 MINCE TRACE REGISTRATION

Here you can register information regarding the traceability of mincemeat.



1. Touch [MINCE TRACE] on the MENU screen.



The MINCE TRACE screen will be displayed.

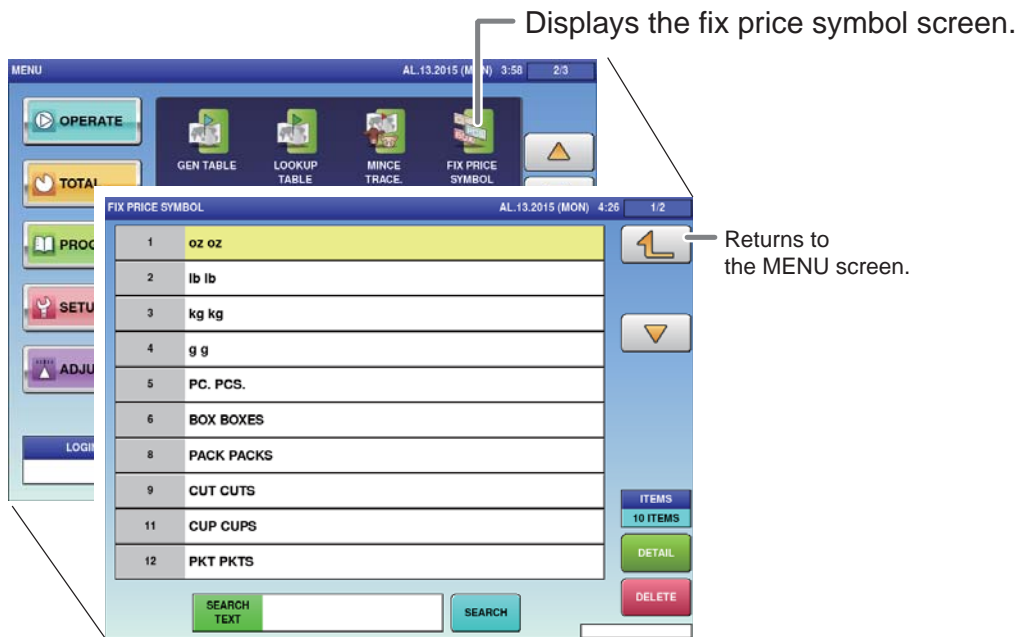


2. Register required items.

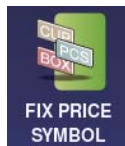
<input type="text" value="0"/>	...	<input type="text" value="9"/>	START
<input type="text" value="0"/>	...	<input type="text" value="9"/>	STOP
<input type="text" value="0"/>	...	<input type="text" value="9"/>	PASSPORT FORMAT No.

# 4.16 FIXED PRICE SYMBOL REGISTRATION

Here you can register the counting symbols for commodities.



1. Touch [FIX PRICE SYMBOL] on the MENU screen.



The FIX PRICE SYMBOL screen will be displayed.



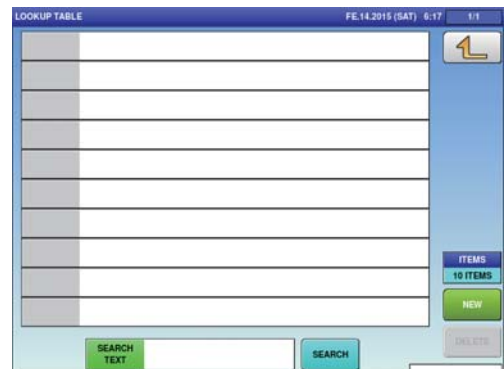
2. Enter the call-up number for the price symbol.

You can enter a price symbol number from 1 to 9999.

Example: Table number 1



Touch [EXECUTE] once the registration confirmation screen is displayed. The FIX PRICE SYMBOL / EDIT screen will be displayed.



To edit the registered fixed price symbol data, touch the field of fixed price symbol data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

### 3. Enter the counting symbol.

After completing entry, touch the Return button.



FIX PRICE SYMBOL / EDIT FE.15.2015 (SUN) 15:11

BOX BOXES\_

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
	Z	X	C	V	B	N	M	,	.
Lower Case	#	%	+	&	New Line	Line Delete	Char Delete	↑	Back Space
Shift	Key Page	Under Line	Italic	Normal	Bold	Reverse	←	↓	→

No.	CHAR	REMAIN
10	009	002

COPY ERASE

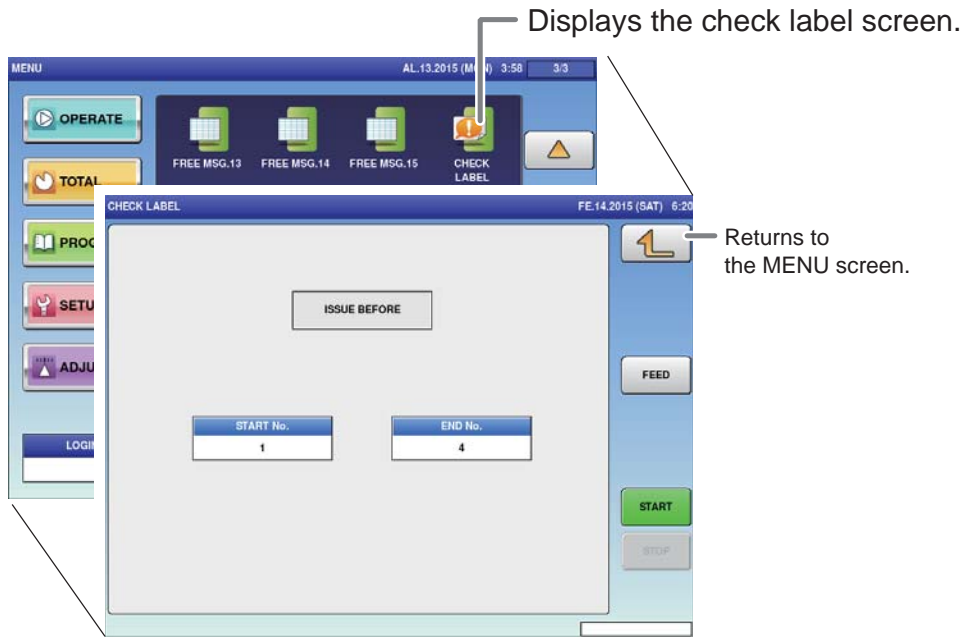


**CAUTION**

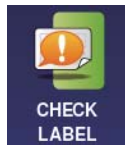
Enter the unit and its plural form separated by a space.

# 4.17 LABEL DATA CHECK

Here you can check labels through actual printing.



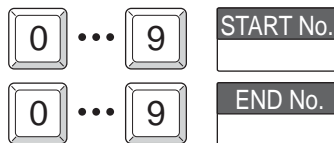
1. Touch [CHECK LABEL] on the MENU screen.



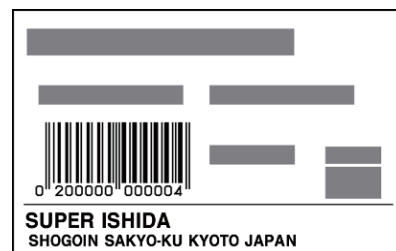
The CHECK LABEL screen will be displayed.



2. Enter required items.

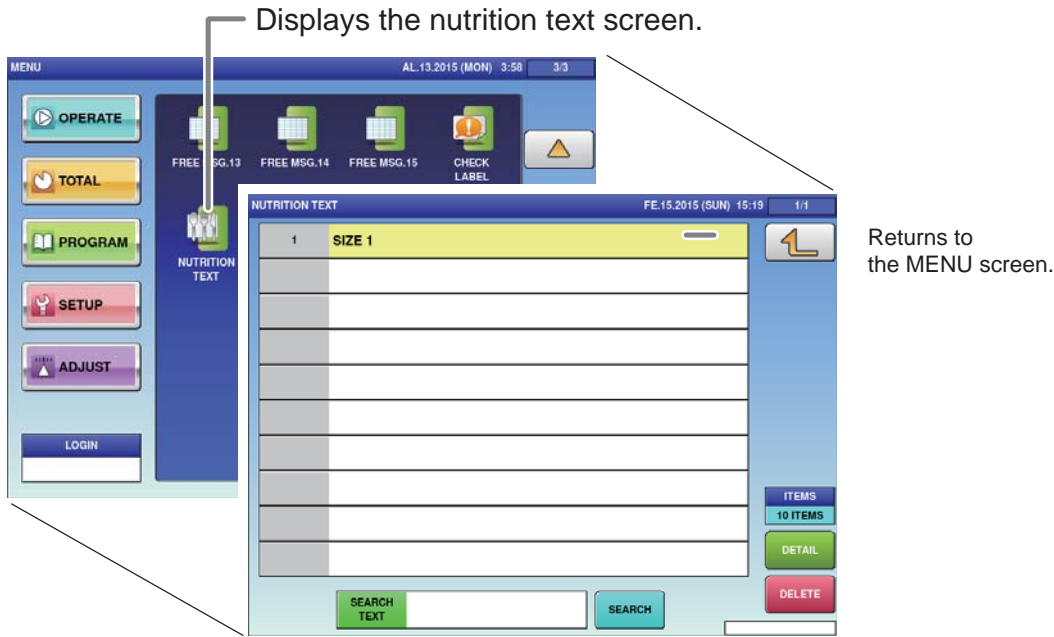


3. Touch [START] to print the label.



# 4.18 NUTRITION TEXT REGISTRATION

Here you can register data such as information on nutrition.



1. Touch [NUTRITION TEXT] on the MENU screen.



The NUTRITION TEXT List screen will be displayed.



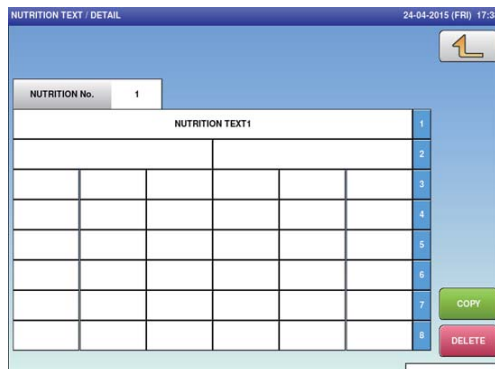
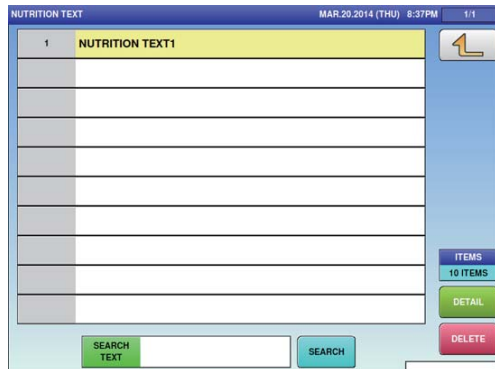
2. Enter the call-up number for the text.

You can enter a text number from 1 to 9999.

Example: Text number 1



Touch [EXECUTE] once the registration confirmation screen is displayed. The NUTRITION TEXT / DETAIL screen will be displayed.



To edit the registered fixed price symbol data, touch the field of fixed price symbol data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

### 3. Enter the required item.

Touch the required field to call up the text edit screen and enter the contents. After completing entry, touch the Return button.



NUTRITION TEXT / DETAIL 24-04-2015 (FRI) 17:38

NUTRITION No. 1

NUTRITION TEXT1					1
					2
					3
					4
					5
					6
					7
					8

COPY DELETE

NUTRITION TEXT / EDIT FE.15.2015 (SUN) 15:11

SIZE 1

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
Z	X	C	V	B	N	M	.	.	
Lower Case	#	%	*	&	New Line	Line Delete	Char Delete	↑	Back Space
Shift	Key Page	Under Line	Italic	Normal	Bold	Reverse	←	↓	→

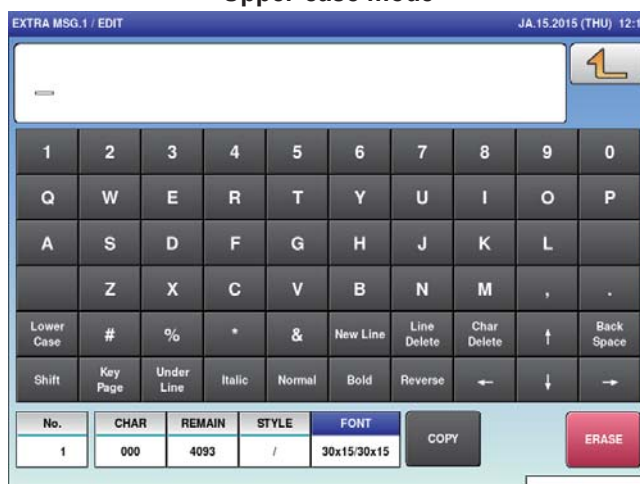
CHAR	REMAIN
006	034

COPY ERASE

## 4.19 CHARACTER ENTRY METHOD

This chapter describes character entry procedures, using the extra message function as an example. (Although the text registration screen is the same for each function, depending on its use, there may keys which cannot be used.)

### Upper-case mode

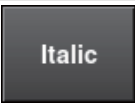




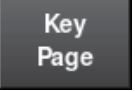

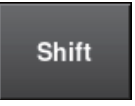



### Lower-case mode



### ■EDIT KEYS

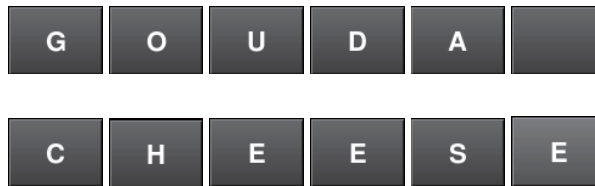
<b>Lower Case</b>	Character modes.	<b>Normal</b>	Used to specify a bold character font style.
<b>New Line</b>	Used to begin a new line.	<b>Reverse</b>	Used to specify a reverse character font style.
<b>Line Delete</b>	Used to delete a line text at the place where the cursor is placed.	<b>Bold</b>	Used to specify a reverse character font style.
<b>Char Delete</b>	Used to delete a character at the place where the cursor is placed.	<b>→</b>	Used to move the cursor to the right.
<b>Back Space</b>	Used to delete a character by moving the cursor back by one character.	<b>←</b>	Used to move the cursor to the left.
<b>Under Line</b>	Used to specify an underlined character font style.	<b>↑</b>	Used to move the cursor up.

	<p>Used to specify an Italic character style.</p>		<p>Used to move the cursor down. Also used to select characters for changing the style.</p>
	<p>Used to copy the original data to the current data.</p>		<p>Used to enter a space.</p>
	<p>Used to erase the full text currently being called.</p>		
	<p>Used to display the following key screen.</p> 		
	<p>Used to display the following key screen.</p> 		



## 4.19.1 TEXT EDITING

1. Enter desired characters using alpha-numeric keys.



Upper-case characters



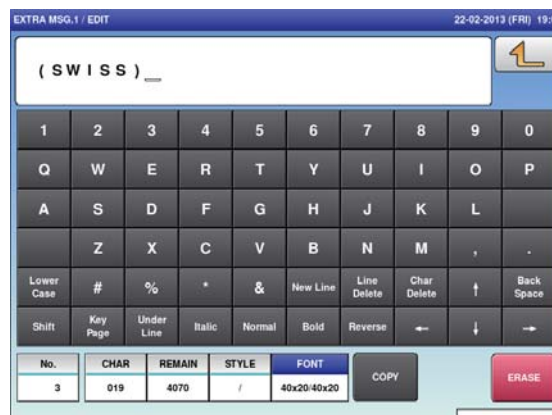
2. To begin a new line, press the [New Line] key.



Enter desired characters.



3. To register the editing, press the Return button.



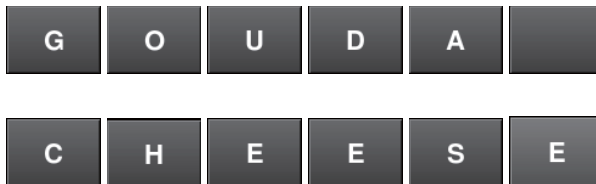
## 4.19.2 FONT STYLE SELECTION

1. Press the following keys to select a desired font style.



**Note:** The selected font style is displayed in the “STYLE” display field.

2. Enter desired characters using alpha-numeric keys.



3. Press the Return key to register the editing.



## 4.19.3 LINE DATA DELETION

1. Press the [Line Delete] key to delete the line data.

Line  
Delete



2. The line data has been deleted. Press the Return button to register the deletion.

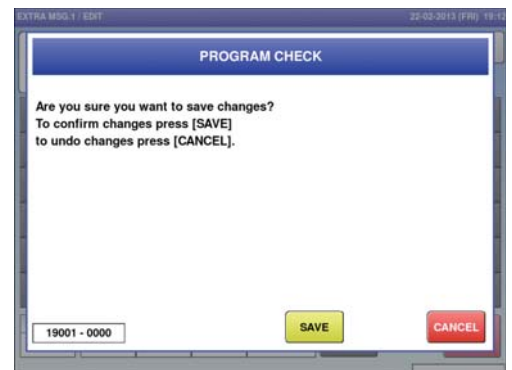


3. The confirmation screen is displayed. To confirm changes, press [SAVE].

SAVE

To undo changes, press [CANCEL].

CANCEL



## 4.19.4 DATA ERASE

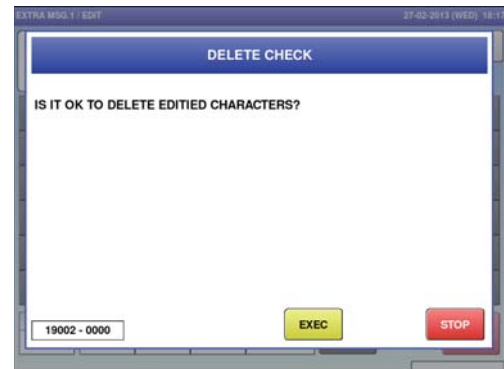
1. Press the [ERASE] button to delete the full text currently being called.

ERASE



2. The confirmation screen is displayed. Press [EXEC] to continue, or [STOP] to go back.

EXEC



3. The full text has been erased.



### 4.19.5 DATA COPY

1. To call up a desired string of characters, press the INPUT field at the bottom right of the screen to display the keypad.



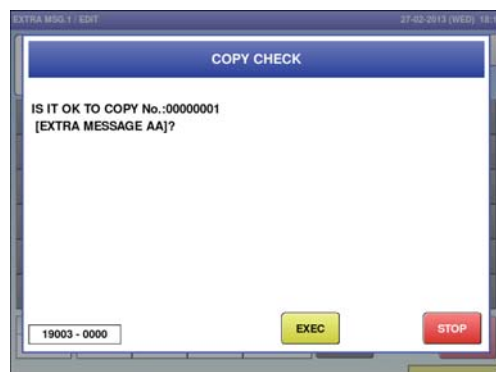
2. Then, enter a numerical value.



3. Press the [COPY] key while the number is displayed in the INPUT field.



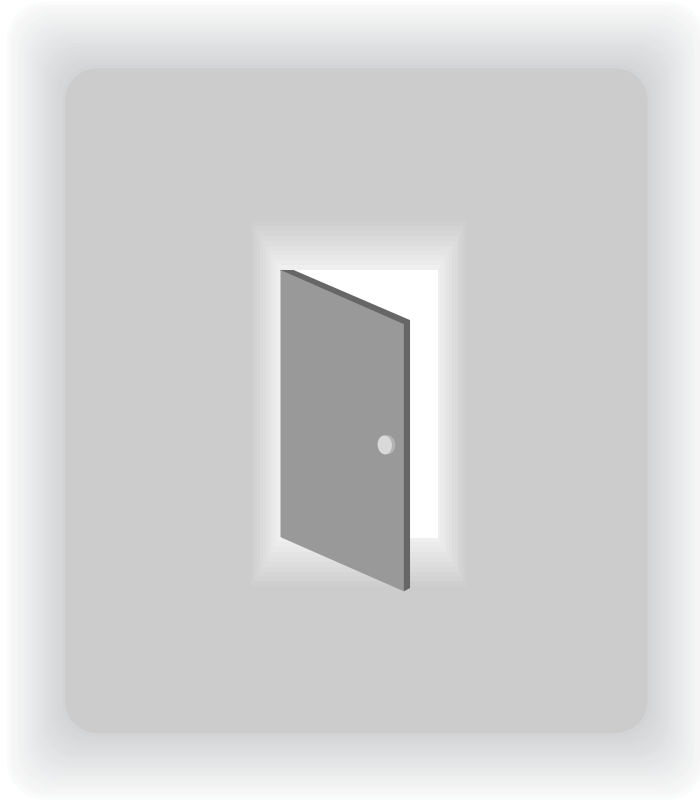
4. Press the [COPY] key while the number is displayed in the INPUT field.



4

**5.** The specified text has been copied.





# **CHAPTER 5**

## **DATA TOTALIZATION**

# 5.1 CHANGE TO TOTAL MODE



2 The total menu screen is displayed.

1. Touch the Return button on the initial screen in Production Mode.



The main menu screen is displayed.



2. Touch [Total Mode] on the main menu screen.



The total menu screen is displayed.



When the password is set to Total Mode, enter the 4-digit password and touch [Login]. For setting passwords, refer to "Password Settings" on Page xxxx.



## 5.2 TOTALS

This section provides a brief explanation about various totals.

### ■ PROD. DAILY TOTAL

Total data on the production day is displayed.

TOTAL	Displays the total of production data on the day.
HOUR	Displays the total of production data of the day at the every time zone.
DEPT.	Displays the total of production data of the day in each large classification.
GROUP	Displays the total of production data of the day in each middle classification.
PLU	Displays the total of arbitrary item data on the day.
TYPE	Displays the total of the production data on the day per item. Also can display the total in order of prices and quantities.
ACC1-3	Displays the total of production data of the day in each ACC1 – 3.
REWRAP	Displays the total of production data of the day in each Rewrapping.
PROMO	Displays the total of production data on the day in each markdown.

### ■ WEEKLY TOTALS

Displays the totalized production data for one week.

### ■ PROD. COM. TOTAL

All production data until the Total Clear operation is executed is totalized and displayed.

TOTAL	Displays the total of all accumulated production data.
DEPT.	Displays the total of all accumulated production data per department.
GROUP	Displays the total of all accumulated production data per group.
TYPE	Displays the total of all accumulated production data per type.

### ■ TRACE. TOTAL

Displays the total of production data for each traceability data.

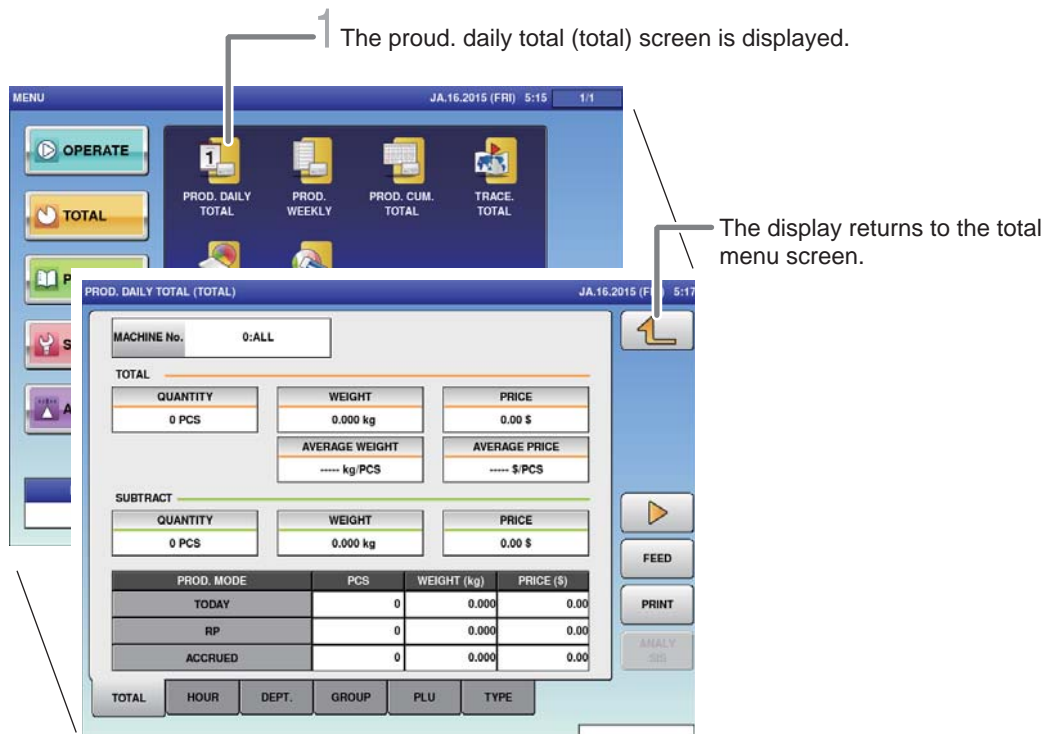
### ■ ANALYSES

The gross production quantity until the Total Clear operation is executed is totalized and displayed on an hourly basis.

HOURS	Displays the total of accumulated production quantities and prices on an hourly basis.
WRAP MODE	Displays the total of the production quantity by wrapping mode on an hourly basis.
TRAY	Displays the total of the production quantity per tray by wrapping mode.

## 5.3 GRAND TOTAL

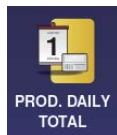
Production quantities, weights, and prices are totalized. This section provides a brief explanation by taking an example of Prod. Daily Total (TOTAL).



### CAUTION

Totals cannot be printed out from this machine. The connection of an external device is required to print out totals. For details, consult your ISHIDA dealer.

## 1. Touch [PROD.DAILY TOTAL] on the total menu screen.

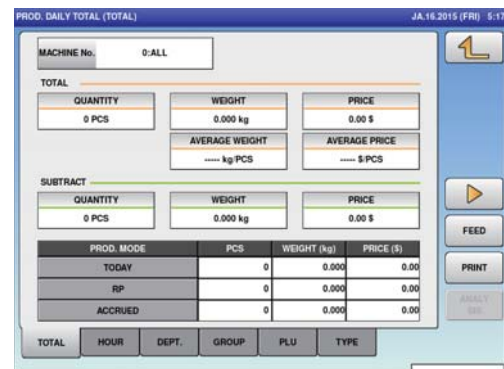


The prod. daily total (total) screen is displayed.

## 2. Touch the [TOTAL] tab on the prod. daily total (total) screen.

TOTAL

The display changes to the prod. daily total (dept.) screen, and the quantity, weight, average weight, price, and average price are displayed.

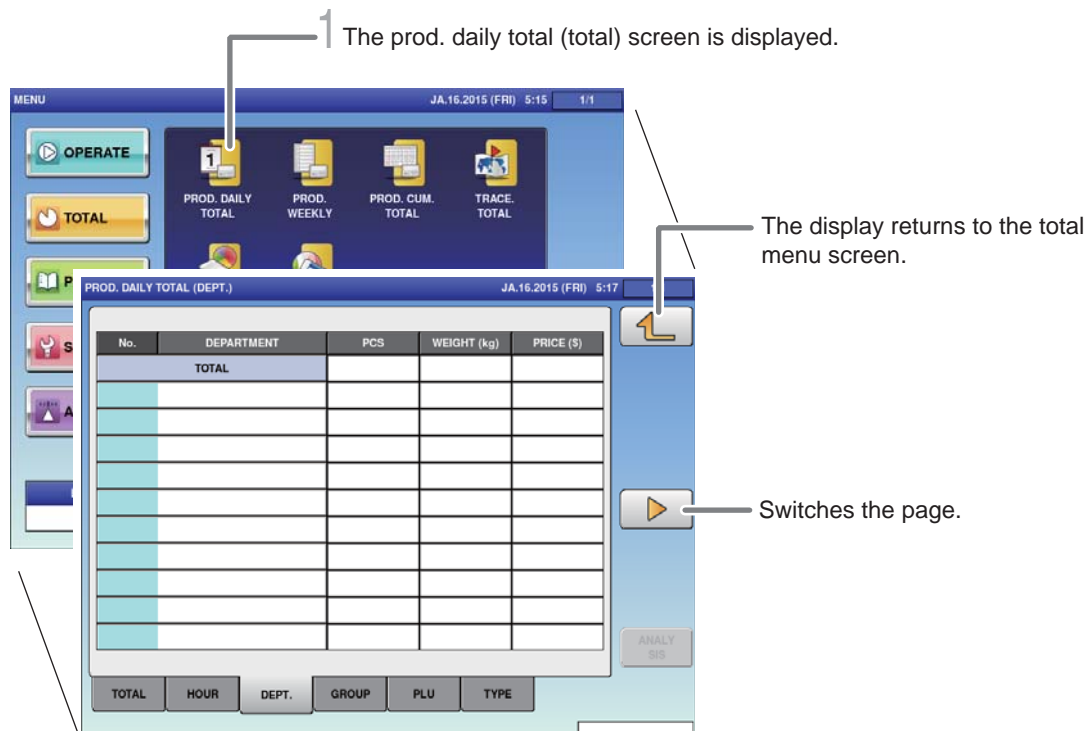


Note : Follow the same procedure for Prod. Accum. Total (Dept.).

## 5.4 TOTAL PER DEPARTMENT

The production quantity, weight, and price per category are totalized.

This section provides a brief explanation by taking an example of Prod. Daily Total (DEPT).

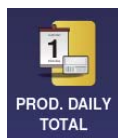


### CAUTION

Totals cannot be printed out from this machine. The connection of an external device is required to print out totals.

For details, consult your ISHIDA dealer.

### 1. Touch [PROD. DAILY TOTAL] on the total menu screen.

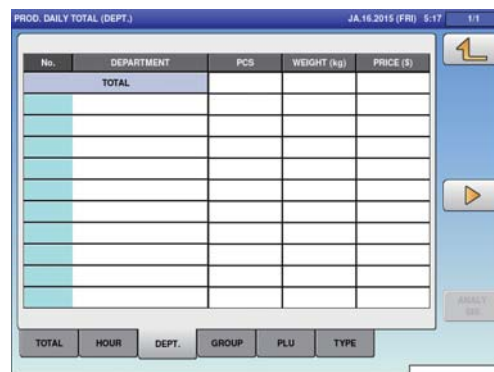


The prod. daily total (total) screen is displayed.

### 2. Touch the [DEPT.] tab on the prod. daily total (total) screen.

DEPT.

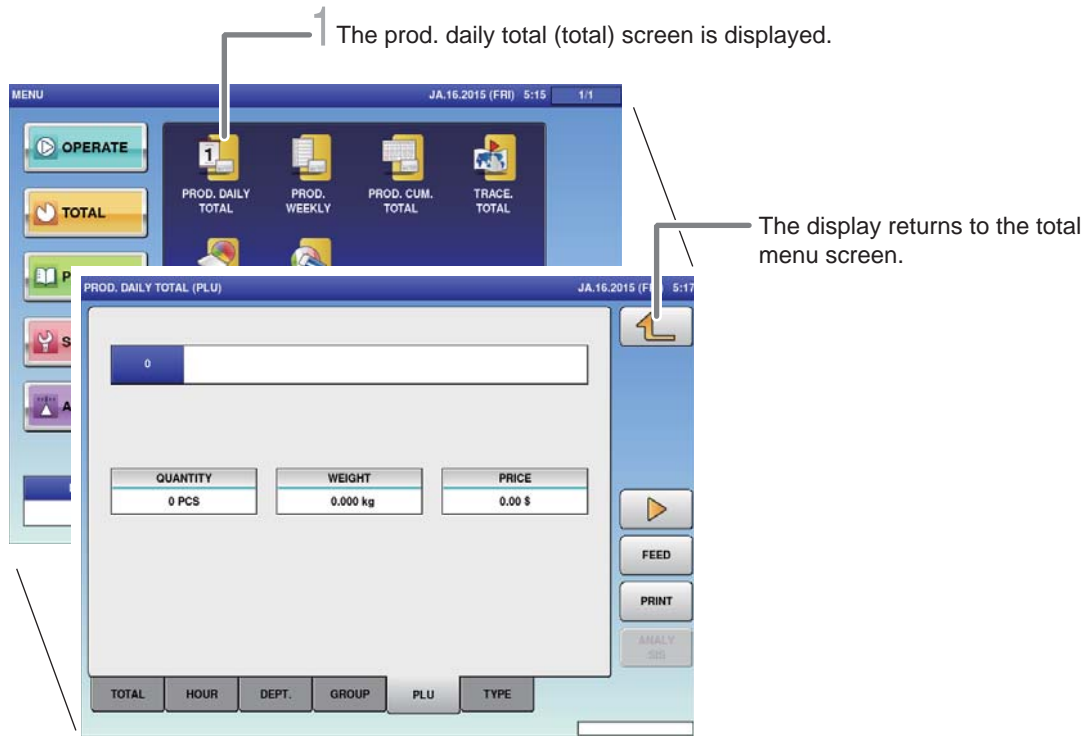
The display changes to the prod. daily total(dept.) screen, and the quantity, weight, and price are displayed.



Note : Follow the same procedure for Prod. Accum. Total (Dept.).

# 5.5 DESIGNATED ITEM TOTAL

The arbitrary item data is totalized. This section provides a brief explanation by taking an example of Prod. Daily Total (PLU) Item Total.



## 1. Touch the [PLU] tab on the prod. daily total (total) screen.



The prod. daily total (PLU) screen is displayed.



### CAUTION

The Prod. Daily Total (PLU) and Prod. Accum. Total(PLU) are printed on labels.

### NOTE

When issuing labels, perform the operation after opening the front cover. (An error occurs if the front cover is closed.)

## 2. Call up an item.

Enter the number of the item to be totalized and press the [PLU] key.



## 3. To issue the total label, press the [PRINT] key.



The total label for the designated item is issued.

Note : Follow the same procedure for Prod. Accum. Total (PLU).

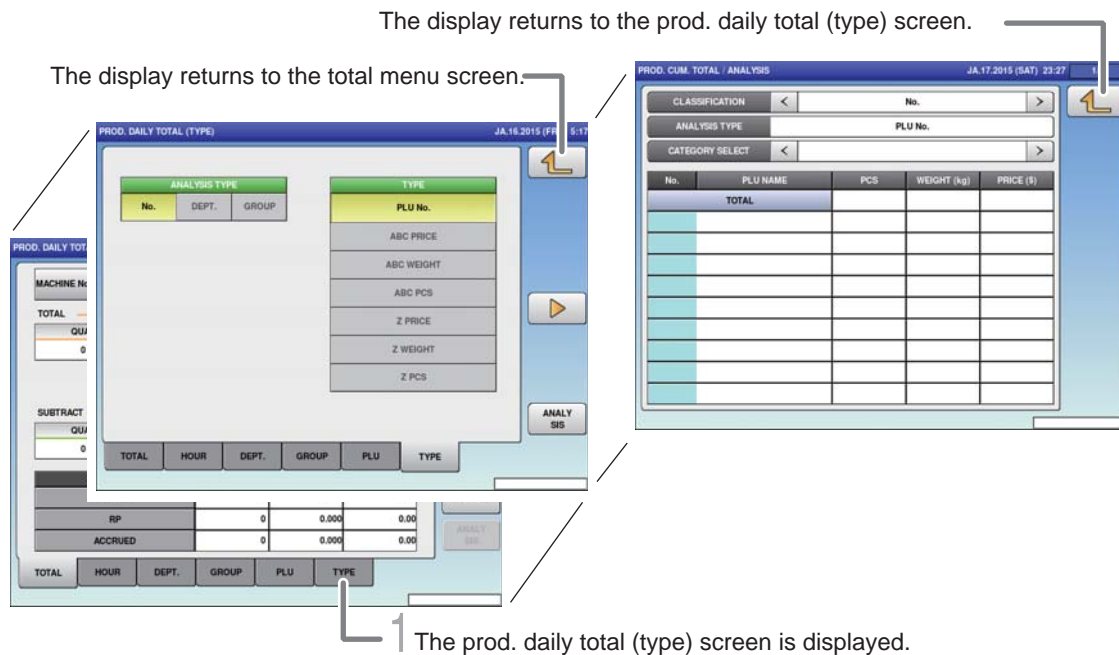


When feeding the label, press the [FEED] key.



## 5.6 TOTAL PER TYPE

The production quantity, weight, and price per item are totalized. This section provides a brief explanation by taking an example of Prod. Daily Total (TYPE).



### 1. Touch the [TYPE] tab on the prod. daily total (total).



The prod. daily total (type) screen is displayed.



### CAUTION

Totals cannot be printed out from this machine. The connection of an external device is required to print out totals.

For details, consult your ISHIDA dealer.

### 2. Select the analysis type.

No. : The total data is displayed and totalized by PLU number.

No. : The total data is displayed and totalized by department.

No. : The total data is displayed and totalized by group.

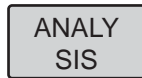
---

### 3. Select the analysis type.

PLU No.	: Displays and totalizes in item call number order.
ABC PRICE	: Displays and totalizes in descending order of gross prices.
ABC WEIGHT	: Displays and totalizes in descending order of gross weights.
ABC PCS	: Displays and totalizes in descending order of gross quantities.
Z PRICE	: Displays and totalizes in ascending order of gross prices.
Z WEIGHT	: Displays and totalizes in ascending order of gross weights.
Z PCS	: Displays and totalizes in ascending order of gross quantities.

---

### 4. Touch [ANALYSIS].

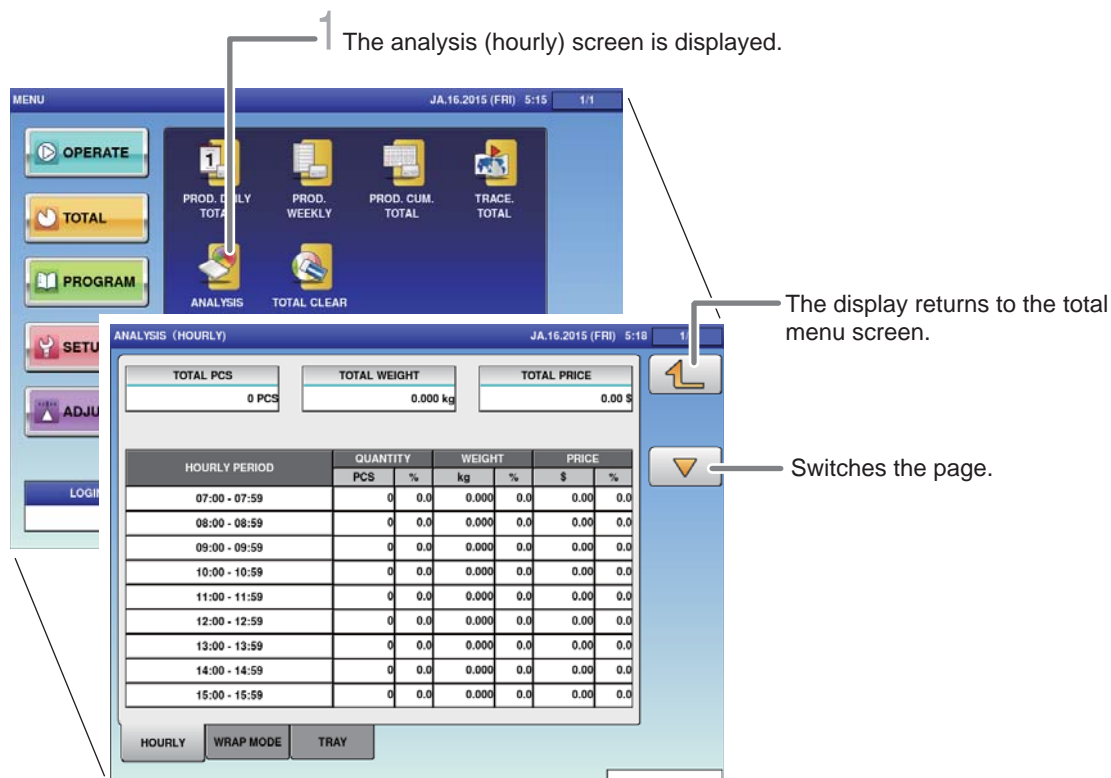


The display changes to prod. daily total (analysis) screen.

Note : Follow the same procedure for Prod. Accum. Total (TYPE).

## 5.7 TOTAL PER HOUR

The production quantity, weight, and price are totalized on an hourly basis.



### CAUTION

Totals cannot be printed out from this machine. The connection of an external device is required to print out totals.

For details, consult your ISHIDA dealer.

## 1. Touch [ANALYSIS] on the total menu screen.



The analysis (hourly) screen is displayed.

## 2. Touch the [HOURLY] tab on the work analysis (hourly) screen.

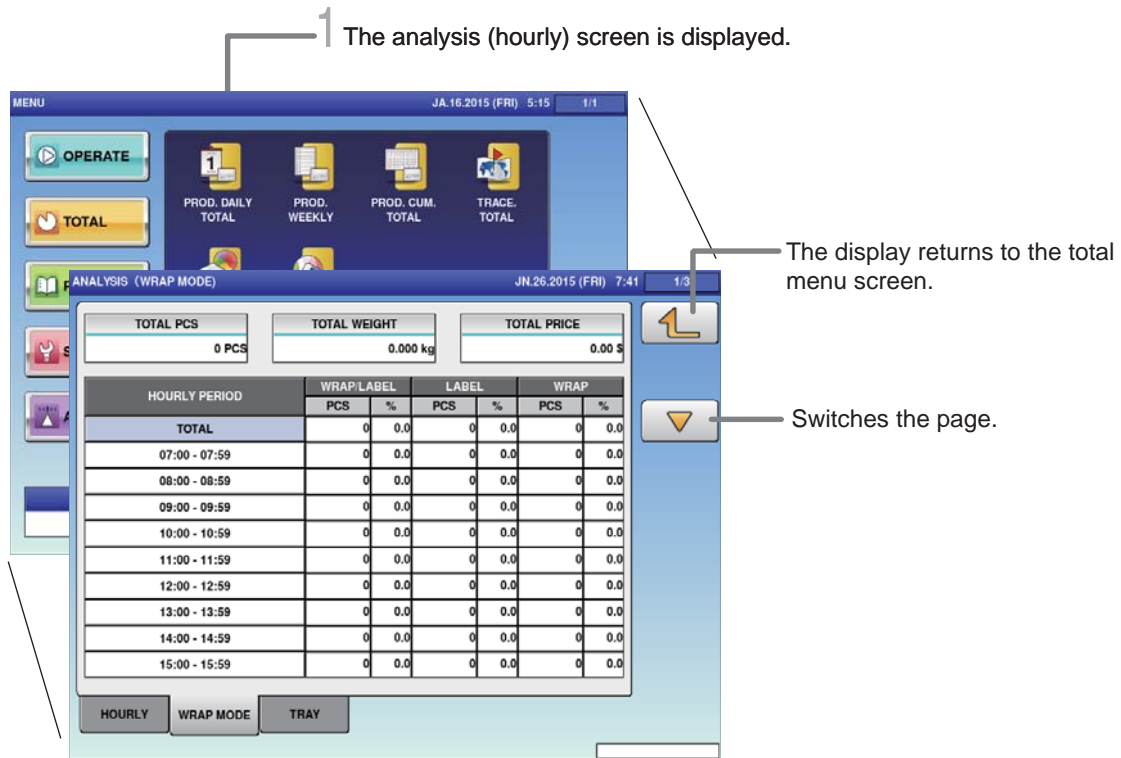
HOURLY

The display changes to the analysis (hourly) screen, and the quantity, weight, and price is displayed per hour.



# 5.8 TOTAL PER WRAPPING MODE

Displays the production data by the hour for each wrapping mode



**CAUTION**

For output of the data, connection by an exterior device is required. For details, contact your ISHIDA service representative.

**1. Touch [ANALYSIS] on the total menu screen.**



The analysis (hourly) screen is displayed.

**2. Touch the [WRAP MODE] tab on the work analysis (hourly) screen.**



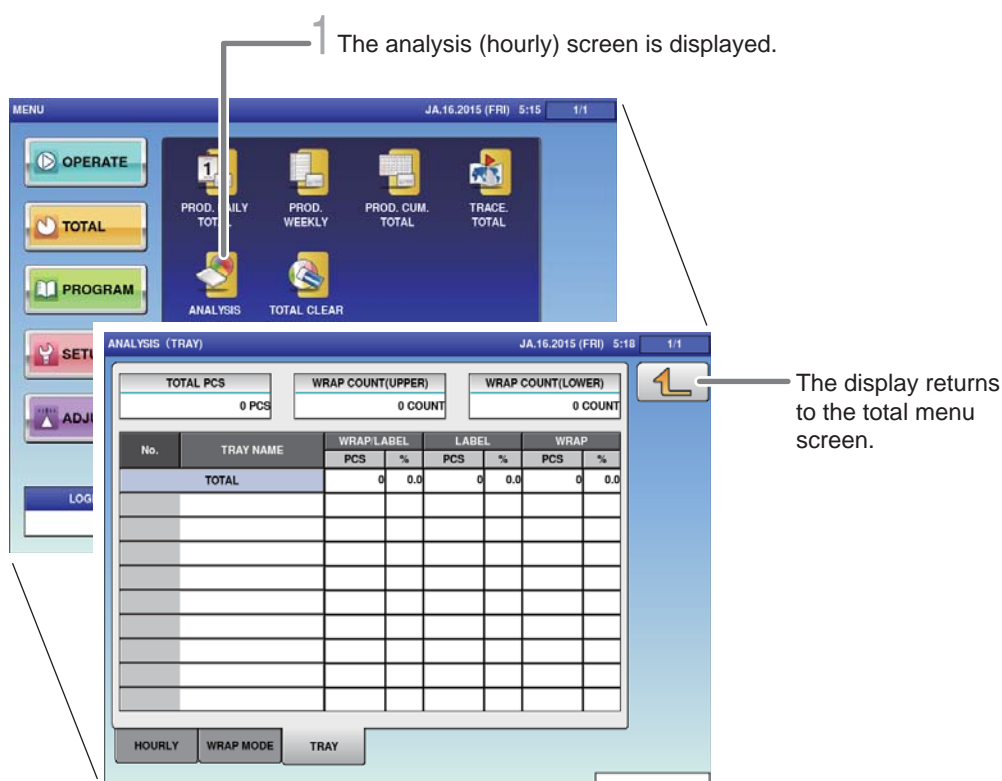
The analysis (wrap mode) screen is displayed.





## 5.9 TOTAL PER TRAY

The production data is totalized and displayed per tray.



### CAUTION

Totals cannot be printed out from this machine. The connection of an external device is required to print out totals.

For details, consult your ISHIDA dealer.

## 1. Touch [ANALYSIS] on the total menu screen.

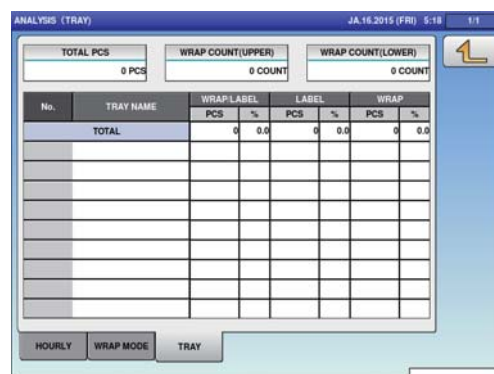


The analysis (hourly) screen is displayed.

## 2. Touch the [TRAY] tab on the analysis (hourly) screen.

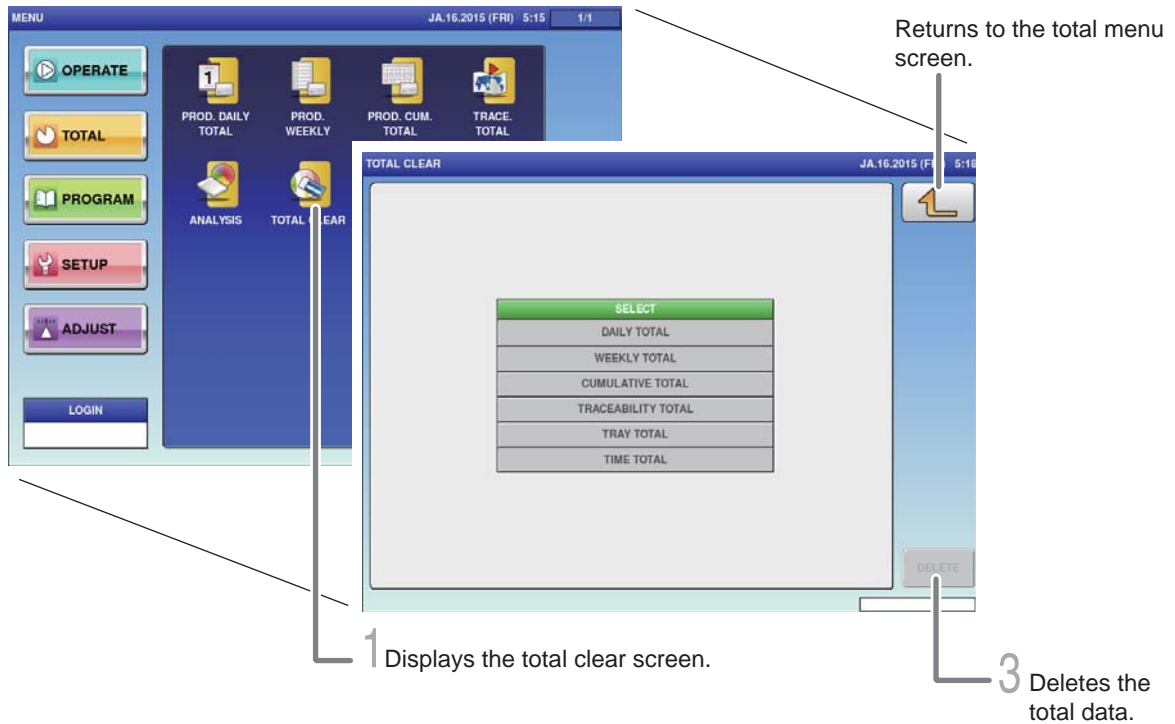


The analysis (tray) screen is displayed.



## 5.10 TOTAL CLEAR

Accumulated total data can be cleared.



### 1. Touch [TOTAL CLEAR] on the total menu screen.



The total clear screen is displayed.

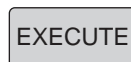
### 2. Select items to be cleared among totals that have been accumulated.

Touch all the fields that should be deleted, and the selected fields will be highlighted.

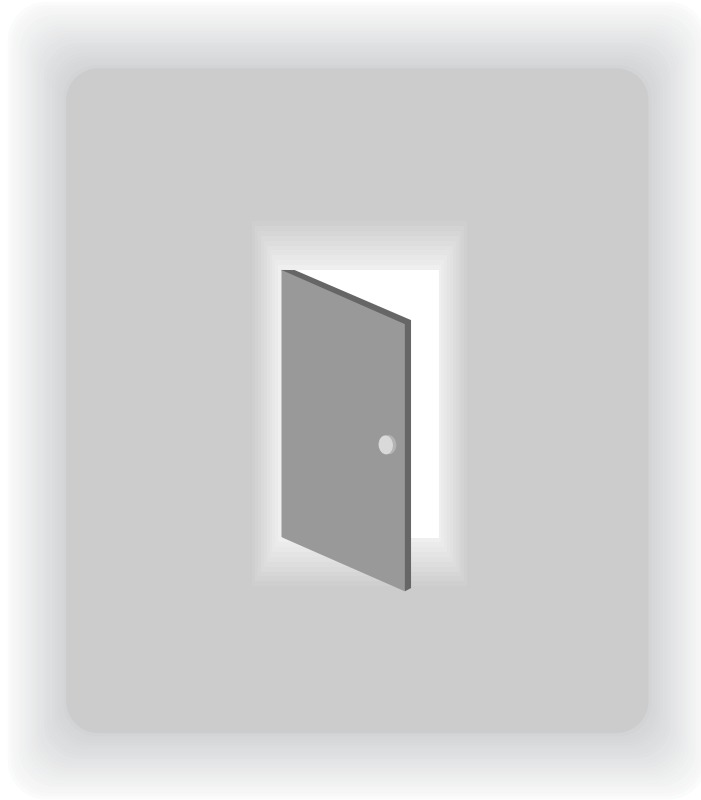
### 3. Touch [DELETE] to clear the selected totals.



The delete confirmation screen is displayed.



Touch [EXECUTE].

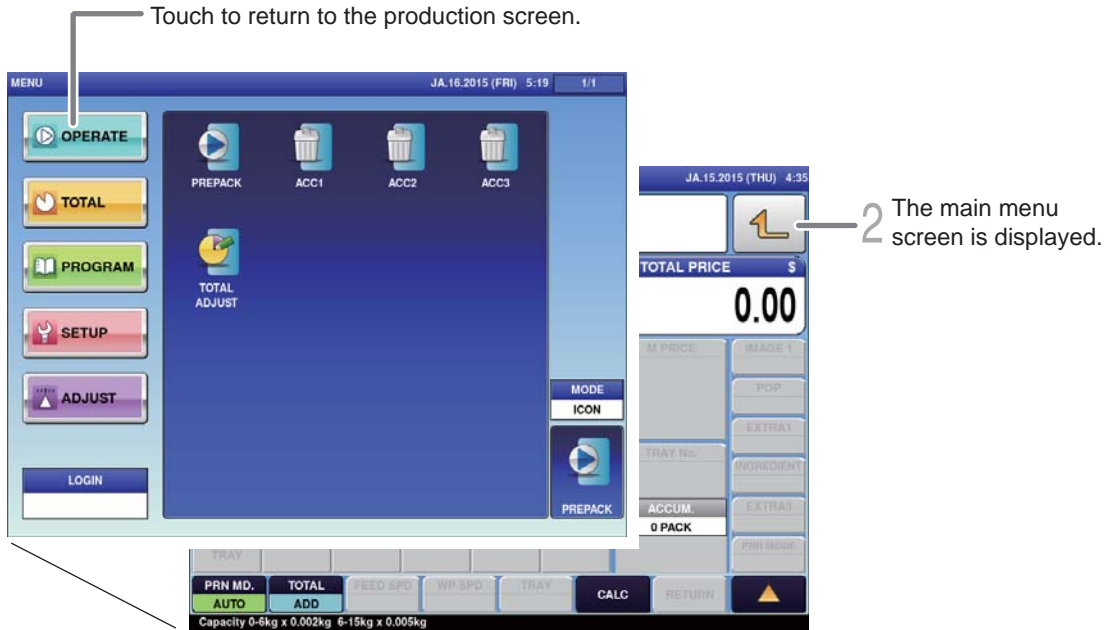


# **CHAPTER 6**

## **TOTAL DATA CORRECTION**

# 6.1 SWITCHING TO SUBTRACTION MODE

The data of items that have been produced by mistake can be deleted from total. Furthermore, the shortage of production data can be added here.



**CAUTION**

Ensure that no item being processed has been left within the wrapper.

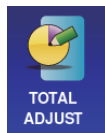
1. Touch the Return button on the initial screen in Production Mode.



The main menu screen is displayed.



2. Touch [TOTAL ADJUST] on the Production Mode menu screen.

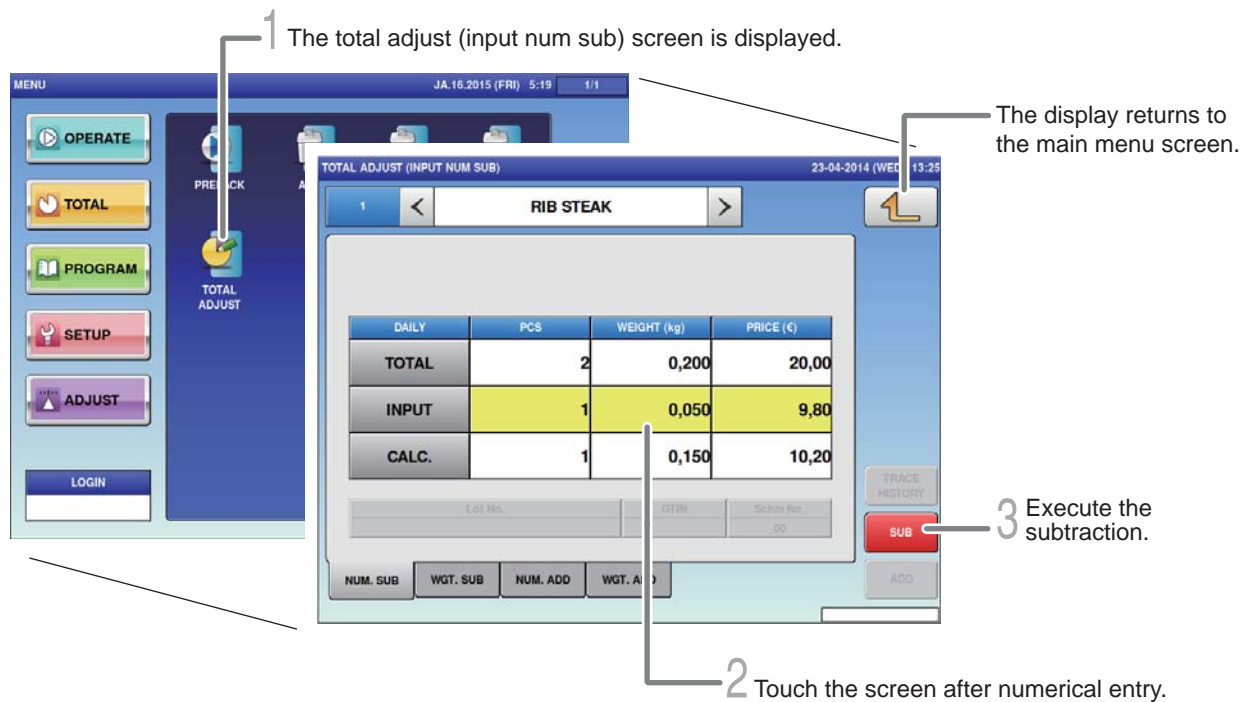


The total adjust (input num sub) screen is displayed.



## 6.2 SUBTRACTION BY NUMERICAL ENTRY

The data to which numerical value is entered can be subtracted from the total data.



REFERENCE

When a password is set to Total Adjust Mode, enter the 4-digit password and touch [Login].

### 1. Touch the [NUM. SUB] tab on the subtraction screen.

NUM. SUB

The total adjust (input num sub) is displayed.



### 2. Enter numerical values in the quantity, weight, and price fields.



### 3. Execute the subtraction.

SUB

Touch [SUB] to display the subtraction confirmation screen.

EXECUTE

Touch [EXECUTE].

## 6.3 ADDITION BY NUMERICAL ENTRY

The data to which numerical value is entered can be added to the total data.

The display returns to the main menu screen.

1 The subtraction (addition by numerical entry) screen is displayed.

2 Enter the numerical value and touch the screen.

3 Execute the addition.



When the password is set to Total Adjust Mode, enter the 6-digit password and touch [Calculate/Add].

### 1. Touch the [NUM.ADD] tab on the subtraction screen.

NUM. ADD

The total adjust (input num sub) is displayed.



### 2. Enter numerical values in the quantity, weight, and price fields.



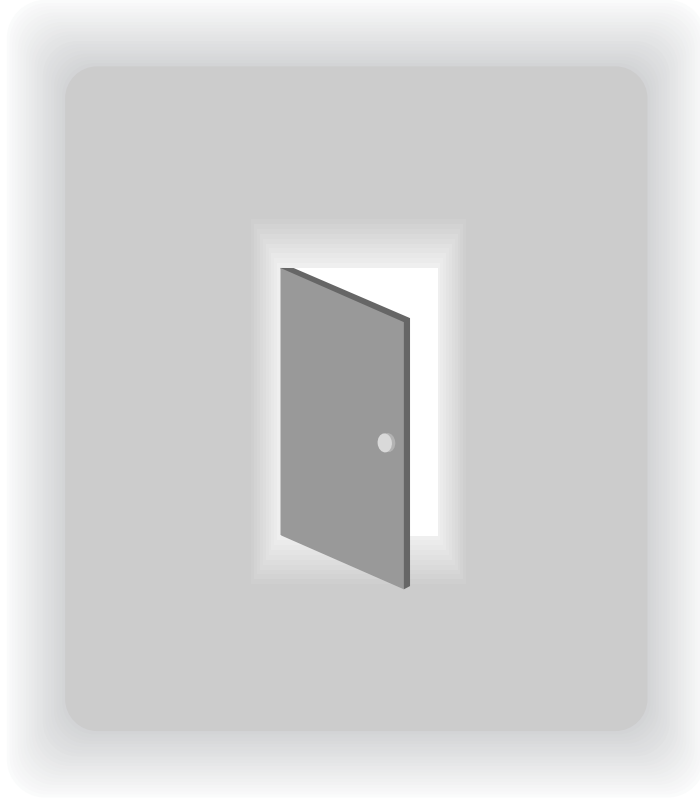
### 3. Execute the addition operation.

ADD

Touch [ADD] to display the addition confirmation screen.

EXECUTE

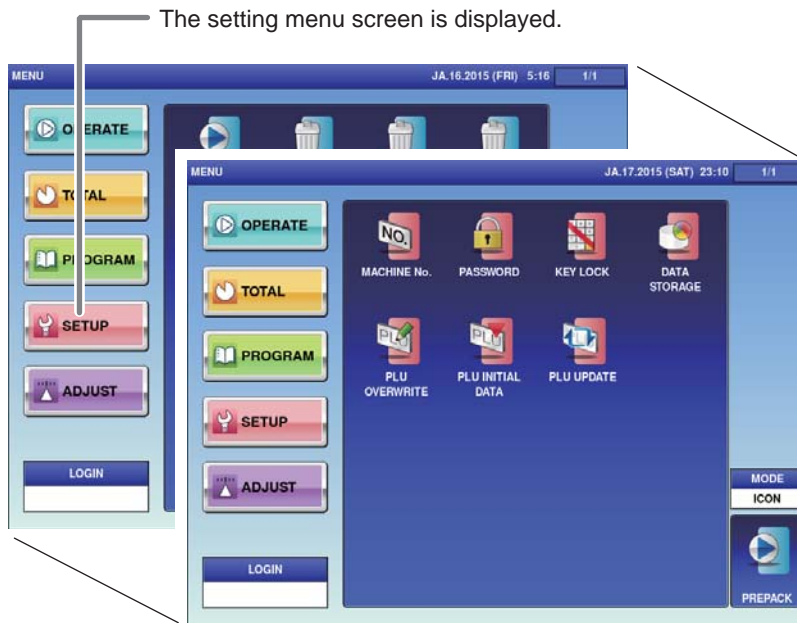
Touch [EXECUTE].



# **CHAPTER 7**

## **SETTING MODE**

# 7.1 SWITCHING TO SETTING MODE



1. Touch the Return button on the initial screen in Production Mode.



The main menu screen is displayed.



2. Touch [Setting Mode] on the main menu screen.



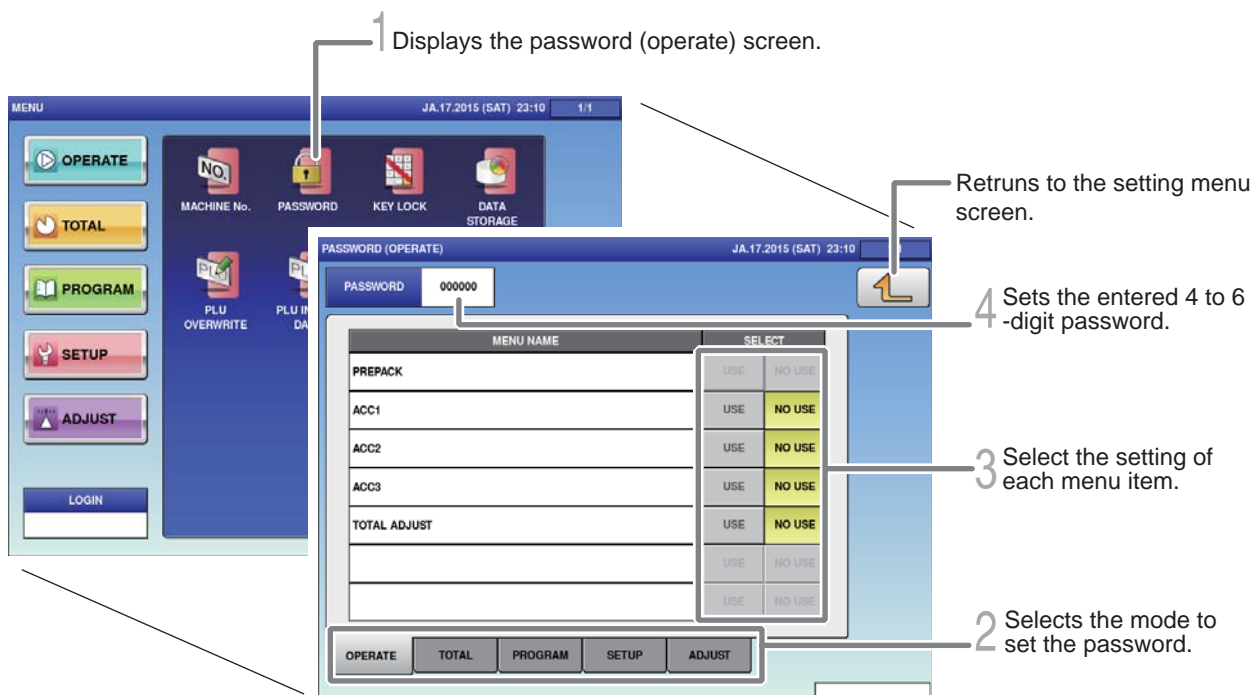
The setting menu screen is displayed.



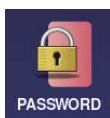


# 7.2 PASSWORD SETTINGS

This section describes the method of setting passwords for menu items in each mode.



**1.** Touch [Password] on the setting menu screen.



Displays the password (operate) screen.

**2.** Touch the tab at the bottom of the screen to select the mode for setting.



**3.** Select the setting of each menu item.



### CAUTION

The manager is requested to write down the passwords so as not to forget them.

**4.** Enter the password.

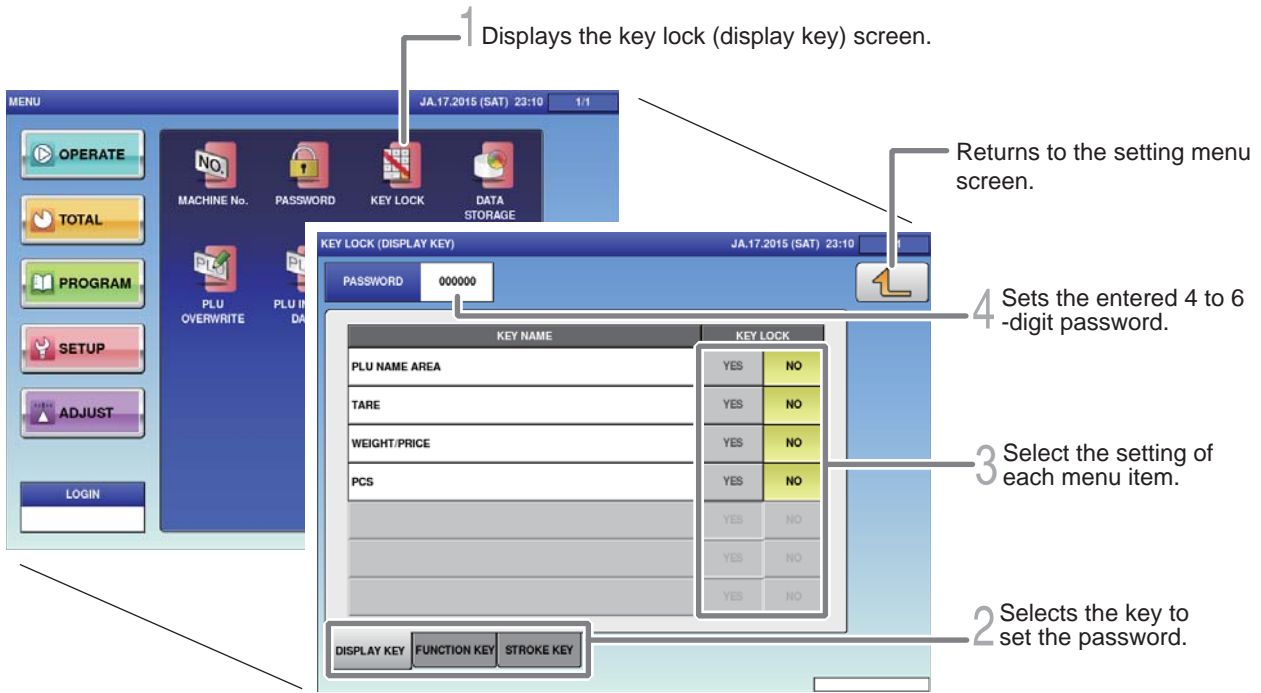


Password (4 to 6-digit)

The entered password is displayed.

## 7.3 KEY LOCK SETTINGS

This section describes how to set key locks for the Display key, function key, and stroke key.



### 1. Touch the [KEY LOCK] on the setting menu screen.



The key lock (display key) screen is displayed.

### 2. Touch the tab at the bottom of the screen to select the key.



### 3. Select the setting of each function key.



### **CAUTION**

The manager is requested to write down the passwords so as not to forget them.

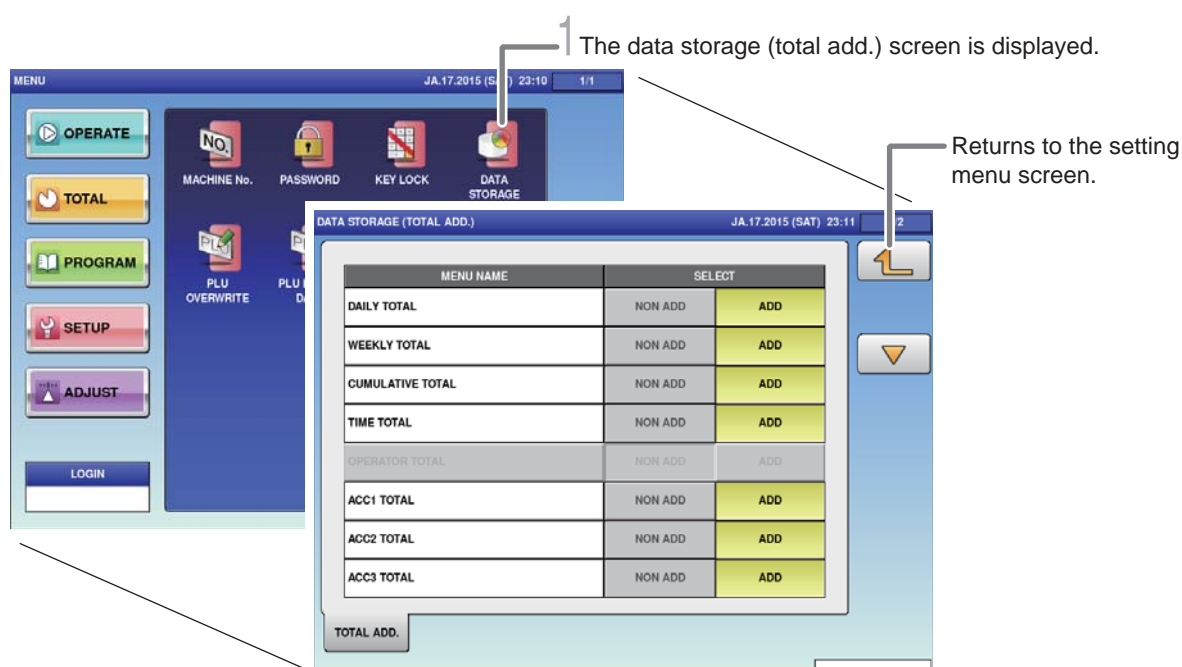
### 4. Enter the password.



Password (4 to 6-digit)

The entered password is displayed.

## 7.4 TOTAL ADDITION SETTINGS



### 1. Touch [DATA STORAGE] on the setting menu screen.



The total addition setting screen is displayed.

### 2. Set necessary items.

DAILY TOTAL	When "Add" is set, it is totaled in the Daily Total of the Total Mode. In addition, the pack count for each item is displayed above the input field of Production Mode.
WEEKLY TOTAL	When "Add" is set, it is totaled in the Weekly Total of the Total Mode.
CUMULATIVE TOTAL	When "Add" is set, it is totaled in the Cumulative Total of Total Mode.
TIME TOTAL	When "Add" is set, it is totaled in the Total per Hour and Total per Wrapping Mode of Work Analysis in Total Mode.
ACC1-3 TOTAL	When "Add" is set, it is totaled in the Accumulated Total of Total Mode.
REWRAP TOTAL	When "Add" is set, it is totaled in the Total per Rewrap of Analysis in Total Mode.
TRAY TOTAL	When "Add" is set, it is totaled in the Total per Tray of Analysis in Total Mode.

## 7.5 ITEM DATA AUTO-UPDATE SETTINGS

It is set to changed a temporary change in production mode to permanent.

1 Displays the item data auto-uupdate screen.

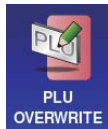
2 Sets whether or not to reflect the changed data in the Item Master when data is changed in the Production Mode  
 Yes : The Item Master is updated.  
 No : The Item Master is not updated.

Returns to the setting menu screen.

Switches the page.

PLU MASTER LIST	SELECT	
UNIT PRICE:FIX PRICE	YES	NO
MARKDOWN MODE:M/D AMOUNT	YES	NO
UNIT TYPE:QTY	YES	NO
FIXED WEIGHT	YES	NO
PACK DATE/TIME	YES	NO
SELL BY DATE/TIME	YES	NO
TARE	YES	NO
EXTRA MSG.1	YES	NO
INGREDIENT	YES	NO
EXTRA MSG.3	YES	NO

### 1. Touch [PLU OVERWRITE] on the setting menu screen.



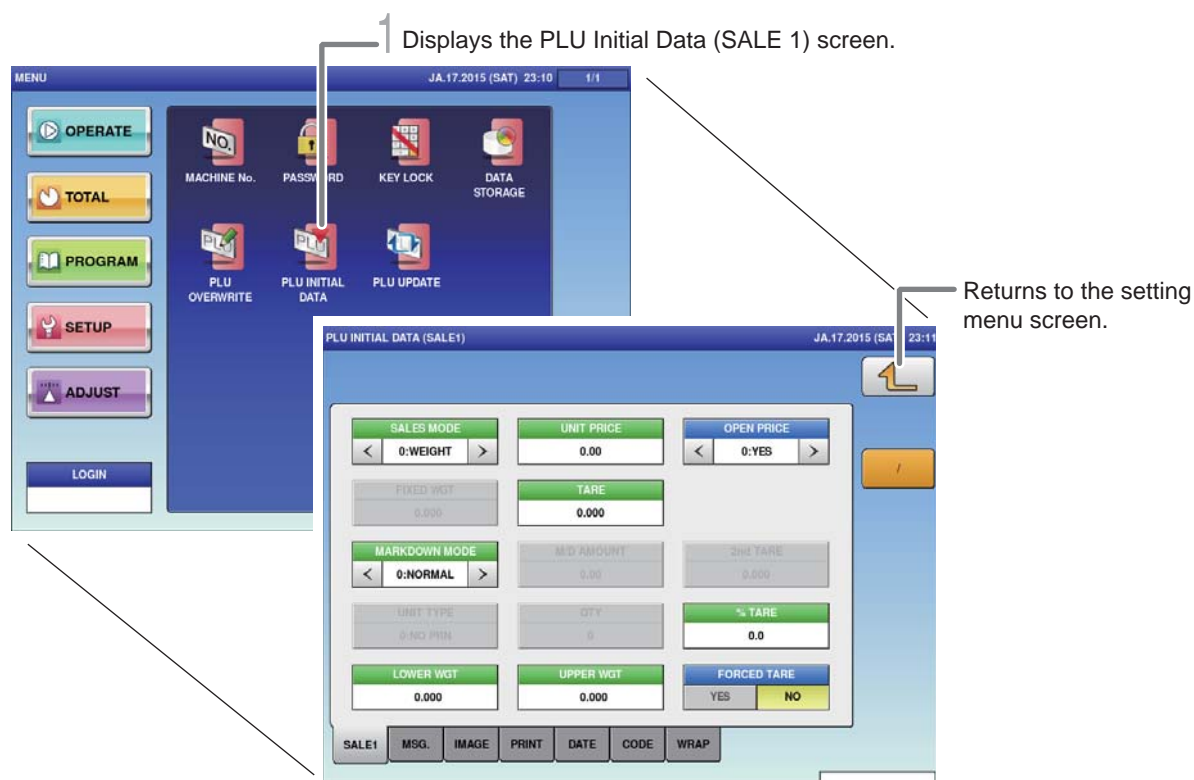
The item data auto-uupdate screen is displayed.

### 2. Touch “Yes” for necessary items on the PLU overwrite screen.



## 7.6 PLU INITIAL DATA SETTINGS

Initial values of setting items can be set at the time of item registration.



### 1. Touch [PLU INITIAL DATA] on the setting menu screen.



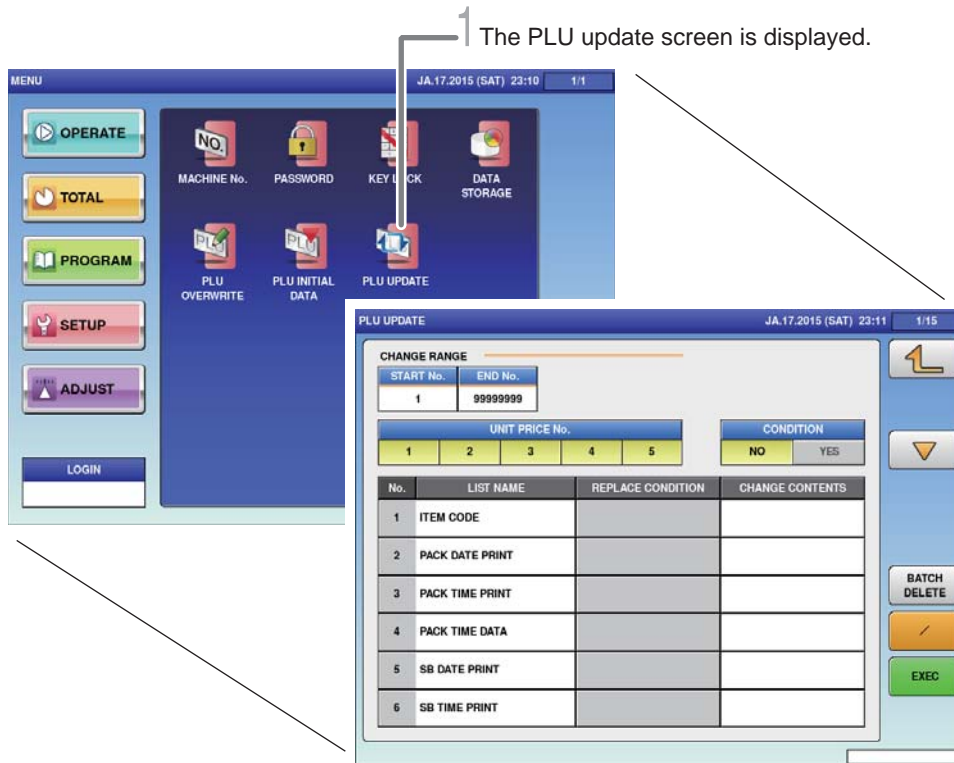
The PLU initial data (SALE1) screen is displayed.

### 2. Touch “Yes” for necessary items on the PLU initial data (SALE1) screen.

Perform settings by referring to “Chapter 4. Item Registrations”.

## 7.7 ITEM DATA BATCH CHANGE SETTINGS

Item data that has already been registered can be changed or updated in a batch.



Setting the substitution condition to “Yes” enables to input the condition, and batch changes can only be made for items that agree with the condition. Furthermore, changes can only be made for specific items and unit price data by setting the range of change.

### 1. Touch [PLU UPDATE] on the setting menu screen.

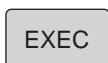


The PLU update screen is displayed.

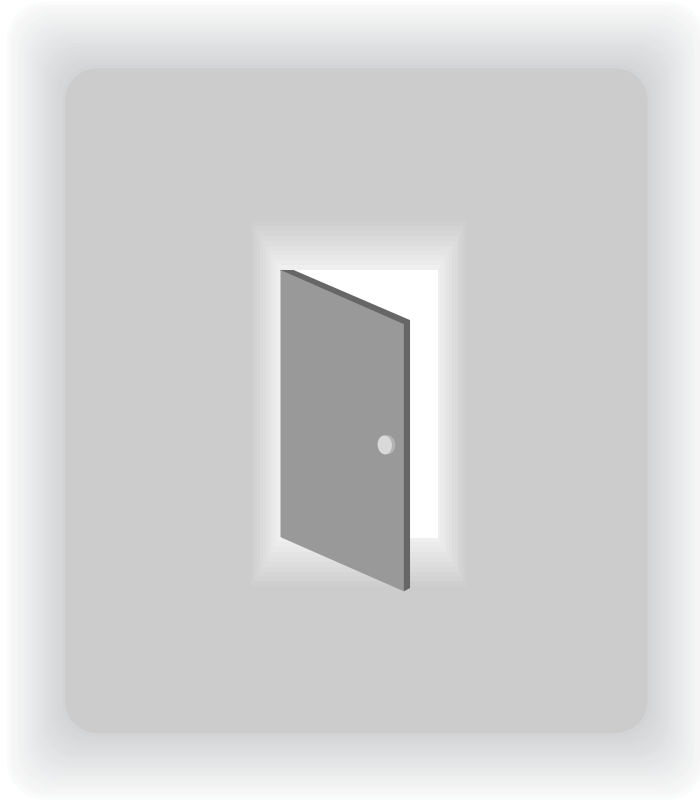
### 2. Select item names that you want to make a batch change.

### 3. Enter the content to which the setting is changed.

### 4. Execute the batch change.



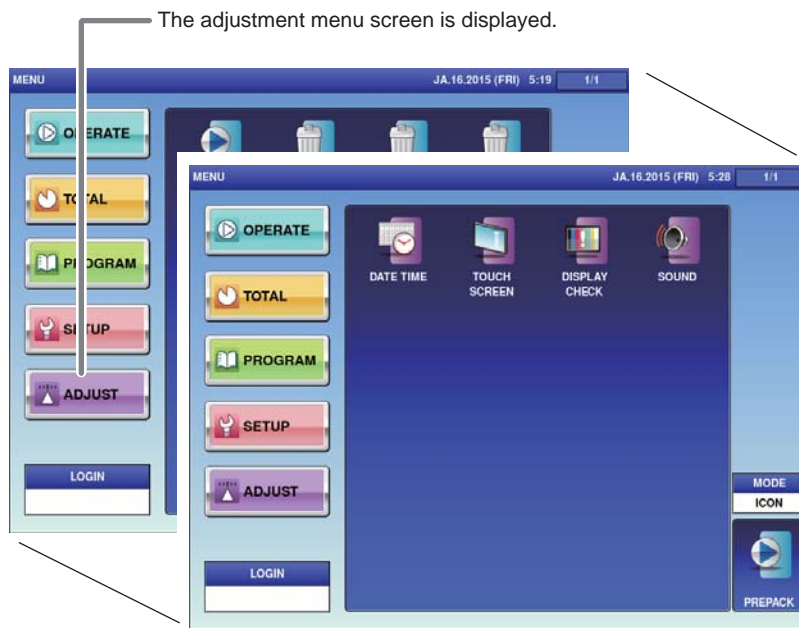
Touch [Execute], and the batch update confirmation screen is displayed.  
Touch [Execute] again to start operation.



# **CHAPTER 8**

## **ADJUSTMENT MODE**

## 8.1 SWITCH TO THE ADJUSTMENT MODE



1. Touch the Return button on the initial screen in Production Mode.



The main menu screen is displayed.



2. Touch [ADJUST] on the main menu screen.



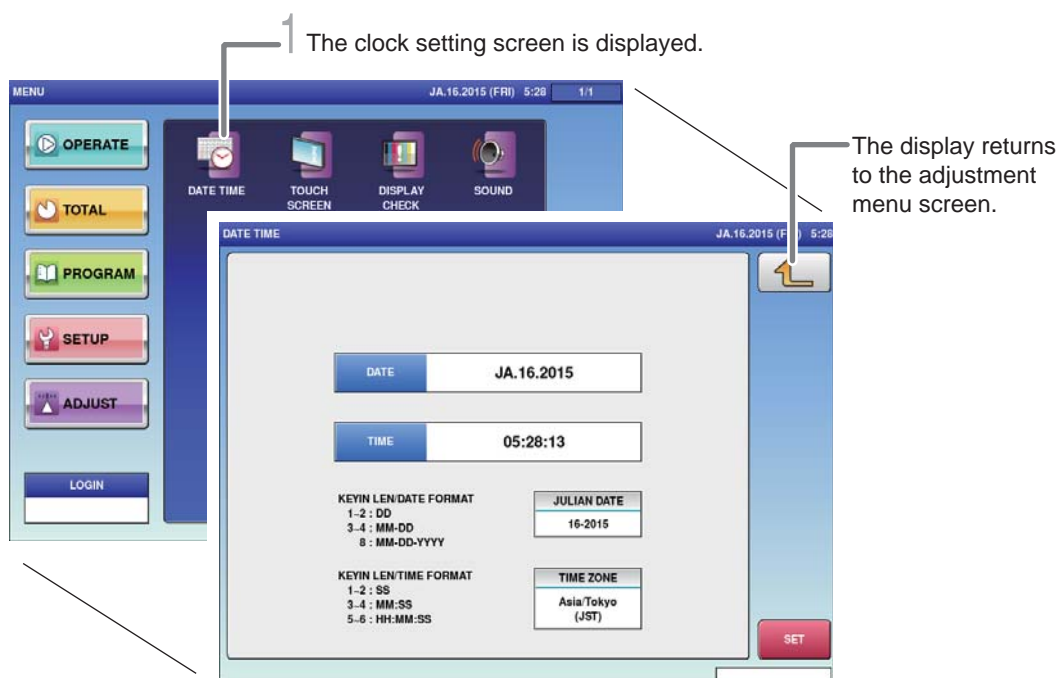
The adjustment menu screen is displayed.





## 8.2 DATE AND TIME ADJUSTMENT

Adjust the date, time and year of the internal clock of the machine.



### 1. Touch [DATE TIME] on the adjustment menu screen.



The date time setting screen is displayed.

### 2. Enter the date.

[Example] January 15, 2015



### 3. Enter the time.

[Example] 09:35:00



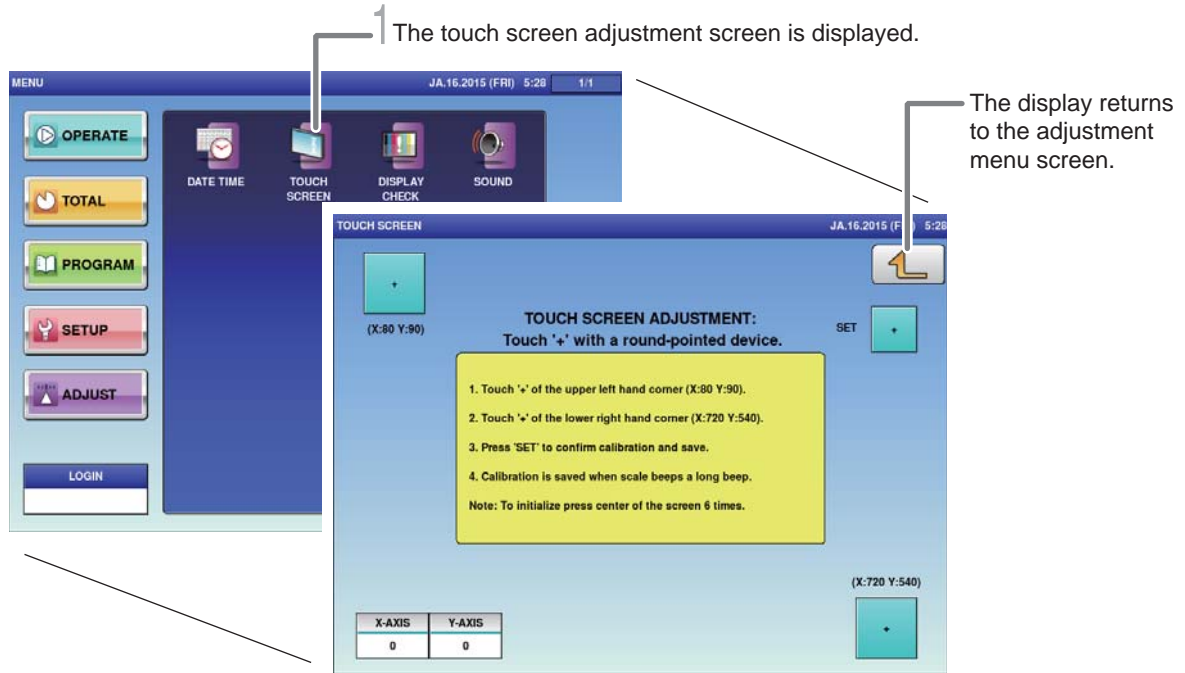
### 4. Touch [SET].



The adjustment content of each item is set.

## 8.3 TOUCH SCREEN ADJUSTMENT

Adjust the touch location on the touch panel.



### 1. Touch [TOUCH SCREEN] on the adjustment screen.



The touch screen adjustment screen is displayed.

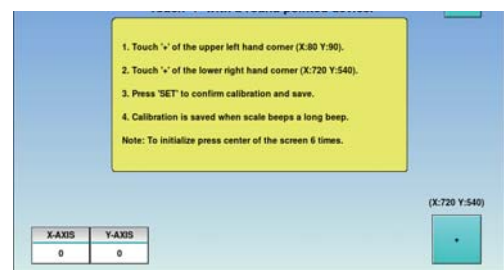
### CAUTION

When adjusting the touch location on the touch panel, lightly press the screen. The touch panel may be damaged if the screen is pressed too strongly.

### 2. Touch the center of [+] on the upper left of the screen.



### 3. Touch the center of [+] at the lower right side of the screen.



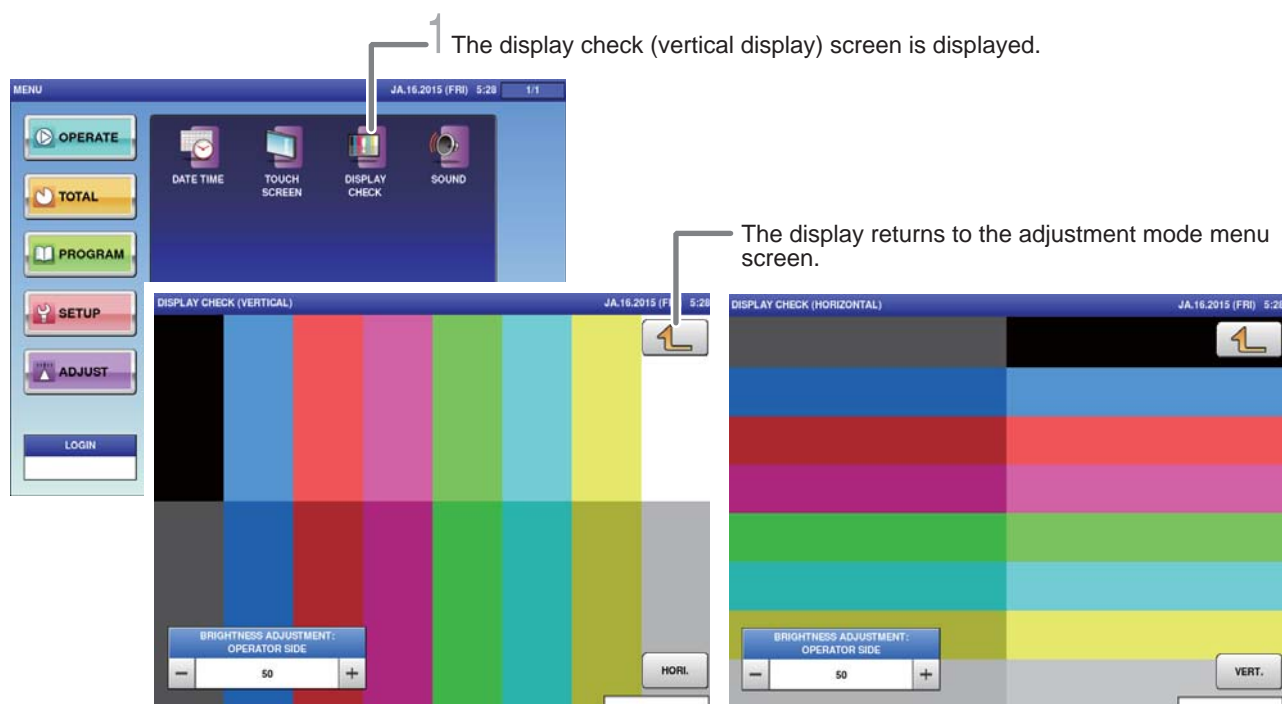
### 4. Touch the confirmation key [+] on the upper right of the screen.



Enter "999" and press [PLU] to initialize the touch locations.

## 8.4 SCREEN BRIGHTNESS ADJUSTMENT

The vertical and horizontal display screen brightnesses of the touch screen can be adjusted.



### 1. Touch [DISPLAY CHECK] on the adjustment menu screen.



The display check (vertical display) screen is displayed.

### 2. Adjust the vertical display screen brightness.



Using the [ - ] key will cause the screen to darken. Using the [ + ] key will cause the screen to brighten.

### 3. Touch [HORI.].



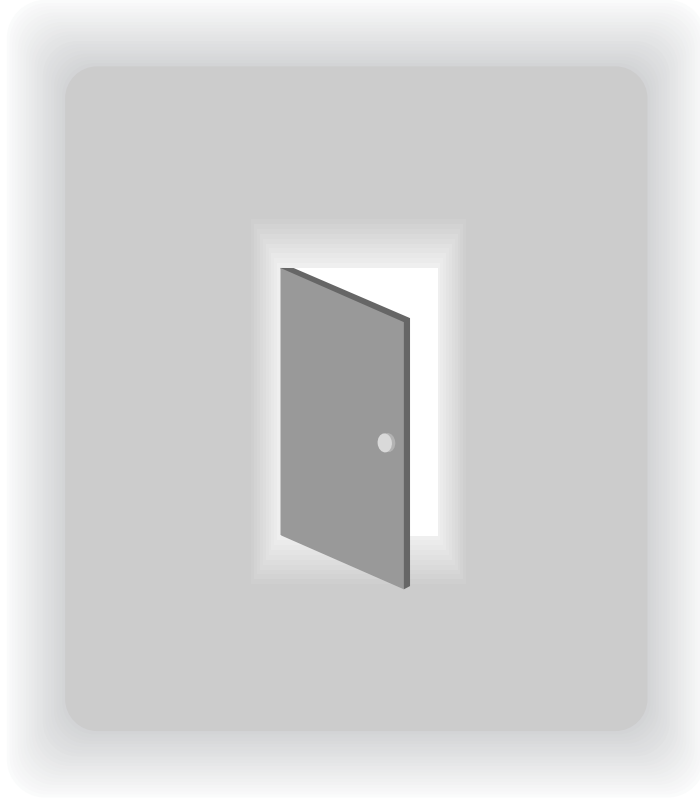
The display check (horizontal display) is displayed.

### 4. Adjust the horizontal display screen brightness.



The brightness adjustment can also be made by pressing [Brightness Adjust] after entering a numerical value.





# **APPENDIX OTHERS**

# A-1. SPECIFICATIONS

Model Name	WM-Ai Type	
Scale Unit	Weighing Capacity *1	0 - 3 kg x 0.001 kg / 3 - 6 kg x 0.002 kg
		0 - 6 kg x 0,002 kg / 6 - 15 kg x 0.005 kg
		0 - 15 lb x 0.005 lb /15 - 30 lb x 0.01 lb
	Weighing Accuracy	1/3000 (Dual range standard)
Wrapping Unit	Packs Per Minute	Up to 35 ppm
	Wrapping Capacity	0.02 - 6 kg / 0.01 - 13 lb (Up to 4.5 kg / 9.9 lb for a pre-wrapped tray)
	Wrapping Size *2	Width: 95 - 380 mm (3.7 - 14.9 inch)
		Depth: 80 - 260 mm (3.1 - 10.2 inch)
		Height: 10 - 130 mm (0.4 - 5.1 inch)
		Tray Height: 70 mm max. (2.7 inch)
	Film Type	Polyolefin / PVC (film type suitable for automatic wrapping)
	Film Size	250, 300, 350, 400, 450, 500, 533 mm (21inch)
Film Outside Diameter	φ 200 mm or less	
Controller Unit	Display Console	Backlit 12.1-inch color LCD touch-panel (SVGA : 800×600 dots)
	Tactile Keys	19 Keys
Printer Unit	Print Head	3 inch direct thermal (960 dots) , 12 dots/mm, 80 mm wide head
	Printing Speed	120 mm/sec
	Print Area	Width: Up to 76 mm (3.0 inch) Height: <Printer #1: Left> 27 - 105 mm (1.1 - 4.1 inch) <Printer #2: Right> 27 - 60 mm (1.1 - 2.4 inch)
	Label Size	Width: 35 - 80 mm (1.4 - 3.2 inch) Height: <Printer #1: Left> 27 - 105 mm (1.1 - 4.1 inch) <Printer #2: Right> 27 - 60 mm (1.1 - 2.4 inch)
	Label Roll Size:	
	- Inner Core Diameter	φ 76 mm (3.0 inch)
	- Outer Core Diameter	φ 230 mm (9.0 inch) or less
	Label Storage Capacity	6,000 labels/roll (at 37 mm (H) and 2.2 mm gap)
Interface	Ethernet	RJ45 x 1, 1000B-T
	Wireless	802.11 b/g *3
	USB	x 4, USB 2.0
	Scanner	via USB interface
Others	Power Supply	Single phase, AC 200-240V (+5%/-10%), 50/60 Hz, 10A
	Power Consumption	Standby: 360 W or less, Maximum: 1800 W *4
	Sleep Mode	90 W or less
	Memory Capacity	2 GB
	Noise Level	74.6 dB or less
	Operation Environment	Temperature: 5 °C-35 °C, Humidity: 20 % - 85 % (no condensation)

\*1: Factory fitted option

\*2: Maximum dimensions cannot be used in combination.

\*3: Optional

\*4: Power consumption varies dependent on site conditions and machine setup.

Specifications subject to change without notice.



© Rice Lake Weighing Systems Specifications subject to change without notice.  
Rice Lake Weighing Systems is an ISO 9001 registered company.

230 W. Coleman St. • Rice Lake, WI 54868 • USA

U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319

---

[www.ricelake.com/retail](http://www.ricelake.com/retail)

[www.ricelake.mx](http://www.ricelake.mx)

[www.ricelake.eu](http://www.ricelake.eu)

[www.ricelake.co.in](http://www.ricelake.co.in)