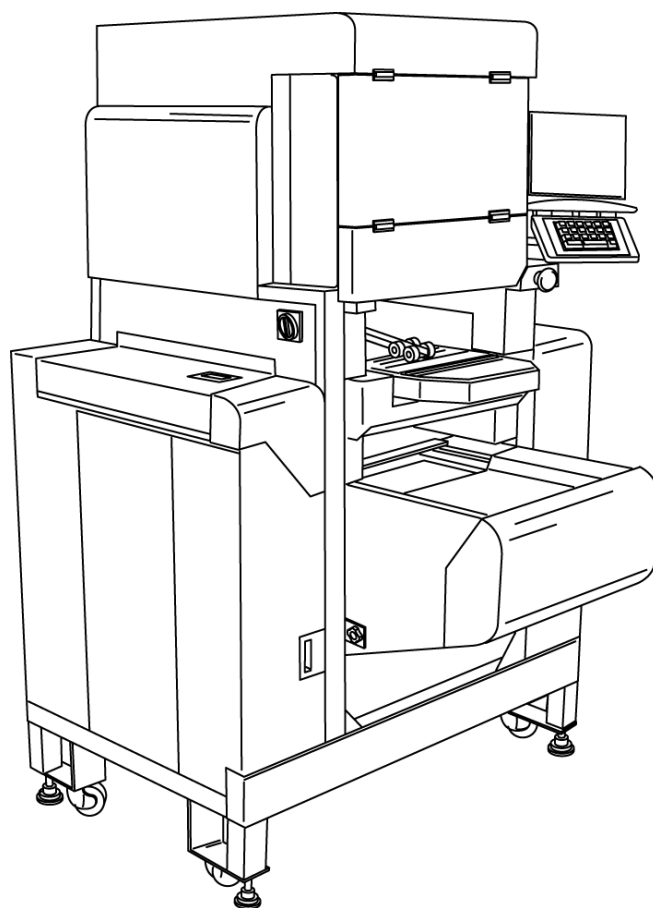




Automatic Weigh/Wrap Labeling Machine

WM-4000

User's Manual **Kg**



IMPORTANT

- Read this manual thoroughly, and do not perform installation, operation, maintenance, or inspection unless you fully understand all of the contents.
- Keep this manual in a safe place where you can refer to it easily while installing, operating, and carrying out maintenance or inspections.

ISHIDA CO., LTD.

Thank you for purchasing the WM-4000. The WM-4000 is a high speed, fully automated weighing, wrapping, and labeling machine.

This manual explains the operation of this machine and warnings and precautions for its use. In order to use the machine safely and effectively, it is important that you read this manual, and keep it in a safe place for future reference.

Failure to follow the instructions in this manual and the warning stickers affixed to the machine may lead to a serious accident.

If there is a paging error or missing pages, contact your nearest ISHIDA representative for a replacement of copy of the manual. If problem occurs with the machine, maintenance will be carried out in accordance with your maintenance contract, however, we cannot take any responsibility for work stoppage or other difficulties which may occur as a result.

© ISHIDA Co., Ltd., 2005




All rights are reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of ISHIDA. No patent liability is assumed with respect to the use of the information contained herein. Moreover, because ISHIDA is constantly striving to improve its high-quality products, the information contained in this manual is subject to change without notice. Every precaution has been taken in the preparation of this manual. Nevertheless, ISHIDA assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained in this publication.

SAFETY PRECAUTIONS

WARNING SYMBOLS

This machine is manufactured for use according to proper procedures by a qualified operator and only for the purposes described in this manual.

The warning symbols in this manual and warning stickers affixed to the machine itself are divided into three categories, depending on the level of danger, or seriousness of potential injury. The definition of each of these warnings and precautions is shown below. Failure to heed these warnings or precautions may result in bodily injury or damage to the machine.


 DANGER	Indicates information that, if not heeded, is likely to result in loss of life or serious injury.
 WARNING	Indicates information that, if not heeded, could possibly result in loss of life or serious injury.
 CAUTION	Indicates information that, if not heeded, could result in relatively serious or minor injury, damage to the machine, or faulty operation.


WARNING STICKERS


Warning stickers are affixed to the machine to warn operators of possible dangers.


 **CAUTION**

**Keep these stickers clean at all times.
Take precautions to ensure that they do not become unreadable or peel off.**

 <p>WARNING Keep hands away from moving parts.</p>	This sticker is placed where there is a danger of hands getting caught in moving parts. When carrying out any work near moving parts, always press the Emergency Stop Button first.
--	---

 <p>CAUTION ELECTRIC SHOCK Disconnect from main power before opening.</p>	This is placed on the cover of the Power Supply Unit on the left hand side of the device. There is a danger of electric shock, so avoid touching this unit.
--	---

 <p>WARNING Keep hands away from cutting parts.</p>	This sticker is placed on parts where there is a danger of the operator being cut by a cutting mechanism such as the cutter. Always press the Emergency Stop Button before beginning any work near any cutting mechanism.
---	---

 <p>WARNING HOT SURFACE Keep hands away.</p>	This sticker is placed on parts where there is a danger of the operator getting burned by a hot surface. Allow hot surfaces to cool thoroughly before touching them or performing any maintenance.
---	--



This sticker is placed where there is a danger of hands getting caught in moving parts. When carrying out any work near moving parts, always press the Emergency Stop Button first.



This sticker is placed on parts where there is a danger of the operator getting burned by the high temperature roller. Avoid touching the roller to prevent burns and injury.

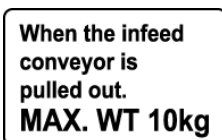


Always press the Emergency Stop Button before inserting your hand into the machine. If you need to put your hand into the machine, if an irregular sound is emitted, or if for some reason it is dangerous to continue operation, press the Emergency Stop Button before carrying out the operation, or maintenance.

- When setting or changing film
- When removing film
- When changing labels
- when operating the wrapping device



This sticker is placed where there is a danger of your hand getting caught in the feeder bar. When carrying out any work near the feeder bar, always press the Emergency Stop Button first.



The maximum weight allowed on the Infeed Conveyor when it is pulled out is 10kg. Exceeding this weight limit will cause the machine to topple and may cause serious injury or death.

HANDLING PRECAUTIONS

- **DO NOT PUT HANDS IN THE WEIGHING, INFEEDING, OR WRAPPING AREAS.**

When you need to put your hand inside the wrapping area to take something out of the weighing, infeeding, 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.

- **ALWAYS KEEP HANDS AWAY FROM THE MOVING PARTS.**

When the power is turned ON, some parts of the label printer may still move after a commodity or tray has been called, and your hand may get caught in the machine.

- **KEEP HANDS AWAY FROM THE FILM CUTTER.**

When you need to change the film or do anything near the film cutter, always press the Emergency Stop Button first, otherwise the film cutter may come out and cut your hand.

- **KEEP HANDS AWAY FROM THE FILM ROLLERS.**

When you need to change the film or do anything near the film rollers, always press the Emergency Stop Button first. There is a danger that the film rollers may move and your hands may get caught in the machine.

- **DO NOT GET YOUR HAND CAUGHT WHEN YOU CLOSE THE FILM SET ROLLER.**

There is a danger that your hand may get caught when opening and closing the Film Set Roller to change the film. Close the Film Set Roller carefully to avoid injury.

- **DO NOT GET YOUR HAND CAUGHT IN THE FILM SET ROLLER WHEN CHANGING FILM.**

There is a danger that your hand may get caught in the top of the Film Set Roller when changing the film. Use caution when changing the film to avoid injury.

- **DO NOT TOUCH, OR ALLOW CLOTHING TO TOUCH THE HEATER.**

The heater will remain hot for some time even after the power is switched OFF, and can cause burns if touched. As the cover on the back of the heater can also become hot, do not touch the cover when pulling the handle.

- **ALWAYS PRESS THE EMERGENCY STOP BUTTON WHEN REMOVING EXCESS FILM.**

There is a danger your hands will get caught in the machine. Always press the Emergency Stop Button before removing excess film.

- **DO NOT PUT YOUR HAND INSIDE THE POWER SUPPLY UNIT.**

There is danger of electric shock if you touch the inside of the Power Supply Unit. Never touch directly or spill water into the unit. Also, never touch the Main Power Switch with wet hands.

- **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.

- **HANDLE WITH CARE AS THIS IS A PRECISION MACHINE.**

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

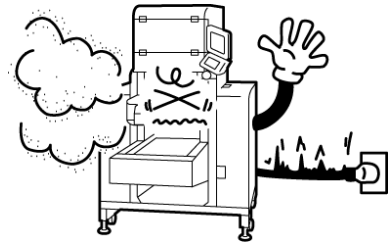
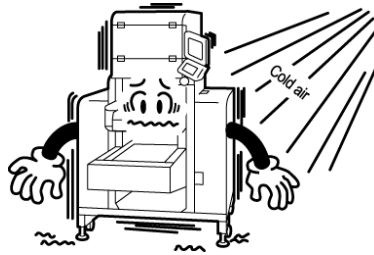
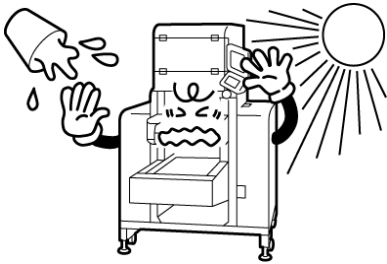
- **DO NOT APPLY HEAVY LOAD ON THE WEIGH AND INFEED UNIT WHEN IT IS EXTENDED.**

The maximum load for the weigh and Infeed Unit is 10kg. If objects exceeding this weight limit are placed on the unit, it may break, or the machine itself may tip over.

INSTALLATION PRECAUTIONS

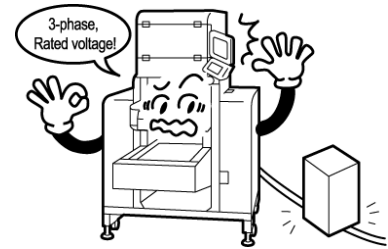
AVOID THE FOLLOWING AREAS WHEN INSTALLING

- Areas subject to high temperatures or high humidity.
- Areas exposed to direct sunlight.
- Areas where water or other liquids are easily spilled on the machine.
- Areas subject to excessive vibration or unstable foundations.
- Areas exposed to direct cold air.
- Areas subject to low temperatures.
- Areas subject to a lot of dust or dirt.
- Areas with large voltage fluctuations



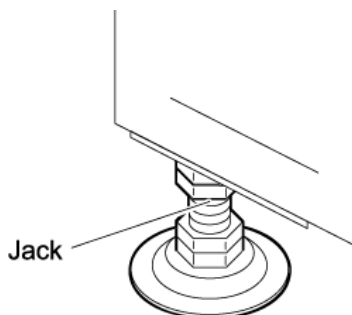
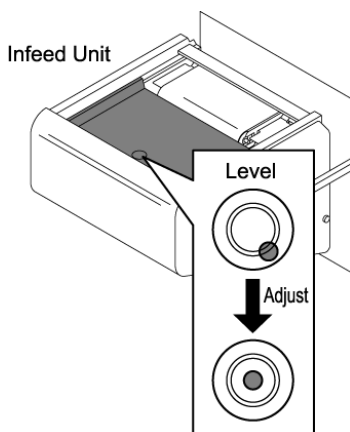
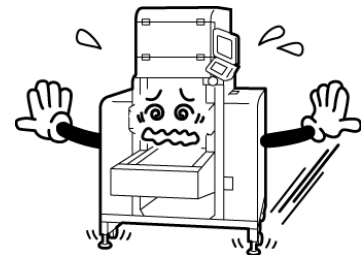
POWER SUPPLY

- Use 3-phase rated voltage ground.
- Use a dedicated power source.
(Voltage fluctuation can cause the machine operation to malfunction)
- Do not stand on, or place heavy objects on the power cord. (If the cord is damaged and still used, it may cause an accident or other problems)



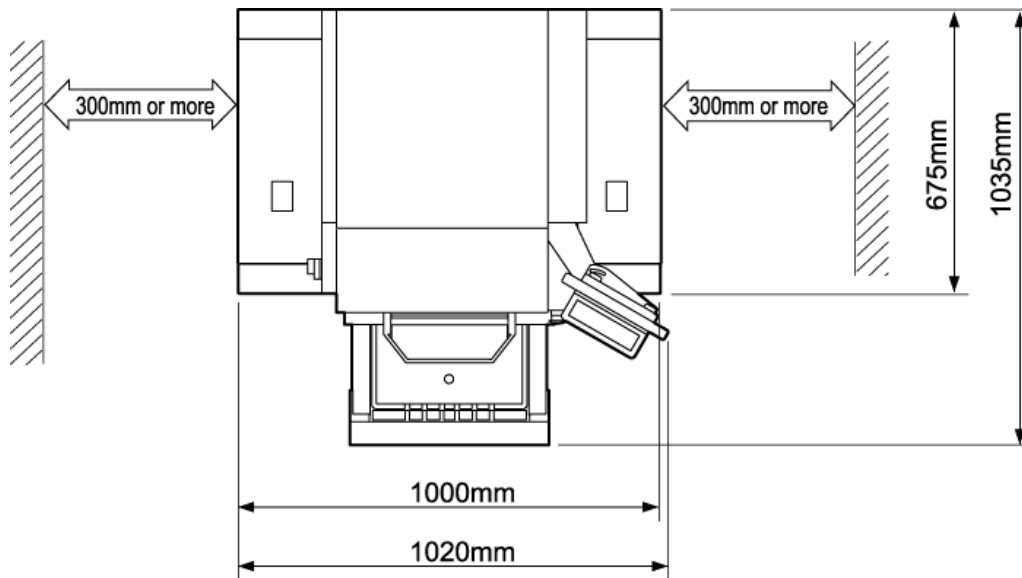
LEVEL ADJUSTMENT

- Always ensure that the machine is level.
- If the level gauge is not centered, weighing will not be accurate, and wrapping is not performed well. Adjust the Level Adjusting Feet until the bubble inside the level indicator is centered.
- Do not lift the Level Adjusting Feet off the floor after installation. The machine has casters installed which may cause to move the machine during operation.



INSTALLATION SPACE

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



1

BEFORE USING THIS MACHINE

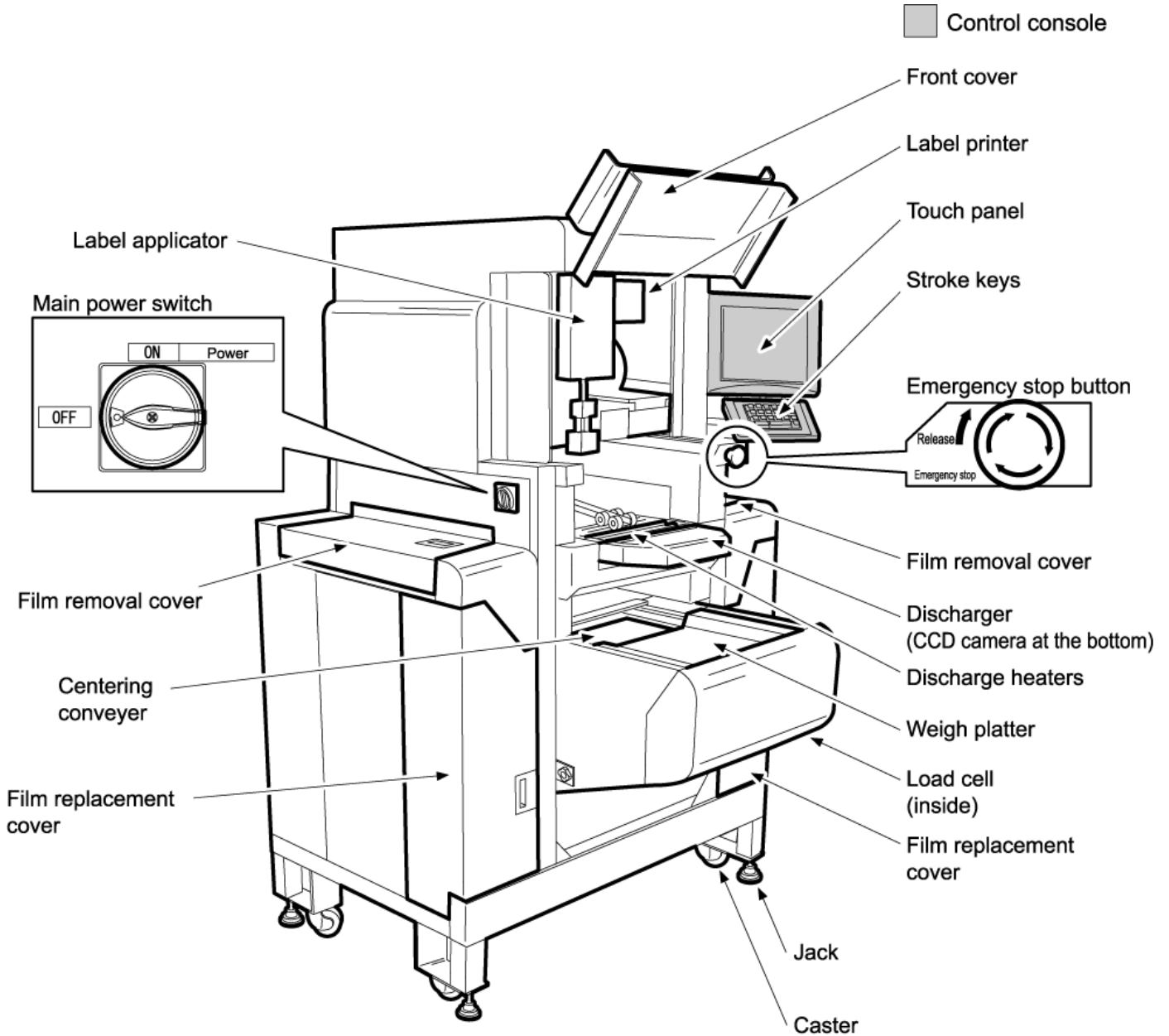
CONTENTS

1.1 PART NAMES AND FUNCTIONS.....	1-2
1.2 USABLE LABEL, TRAY, AND FILM	1-4
1.3 DAILY MAINTENANCE.....	1-6
1.4 MACHINE CLEANING.....	1-7
1.5 OPERATION START / END	1-17
1.6 FILM LOADING	1-18
1.7 LABEL SETTING	1-20
1.8 DEFINITION OF TARE WEIGHT	1-23

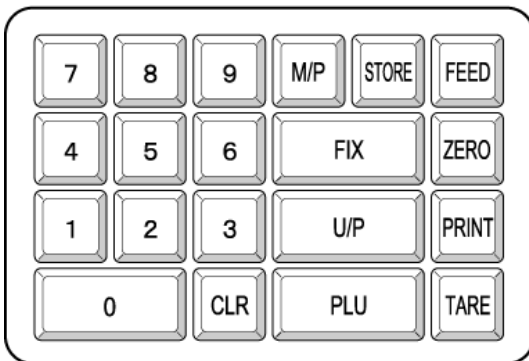
1.1 PART NAMES AND FUNCTIONS


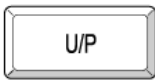








The name and function of each part of this machine is described. Read this manual thoroughly to understand each part name as explanations are written referring to the names described below.

1.1.1 MAIN UNIT APPEARANCE



1.1.2 STROKE KEYS



	Used to change a fixed price or change a unit-price PLU to a fixed-price PLU.
	Used to change a unit price or change a fixed-price PLU to a unit-price PLU.
	Used to call a PLU or tray after numeric entry. Also, used to discharge the PLU remaining in the wrapper.
	Used to delete numeric entries or cancel errors.
	Used to discount a PLU price.
	Used to operating stores individually.
	Used to feed a label.
	Used to correct the zero point of the weigh platter.
	Used to print labels.
	Used to set a tare weight.

1.2 USABLE LABEL, TRAY, AND FILM

1.2.1 USABLE LABELS

Use the designated labels designed for this machine.

Usable label condition:	Labels for fully-automatic use
Label roll diameter:	φ230mm or less
Label width:	80mm - 35mm
Label length (top to bottom):	27mm - 60mm

CAUTION

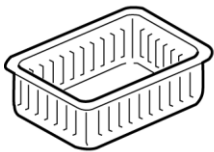
When wrong-sized labels or those other than the designated labels are used, the labels may not be printed, not be fed correctly, or not be sucked by the applicator.

1.2.2 TRAY TYPES

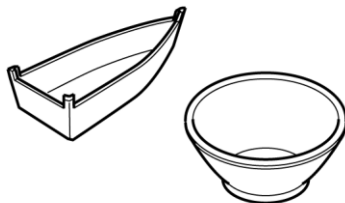
Use designated trays and films designed for this machine.

Some unusable trays include Styrofoam (PSP), transparent (OPS, HIPS, PP), and blue trays. See below for details.

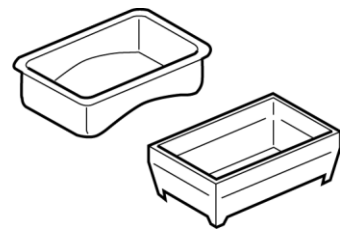
■ Unusable trays



- **Fragile trays**
Tray that may break or collapse.



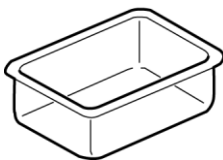
- **Deformed trays**
Feeding and film tension adjustment is difficult.



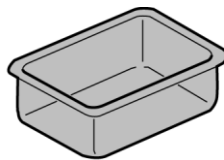
- **Round or hollow-bottomed trays**
The film cannot be sealed on the bottom.

■ Trays not automatically recognized by the CCD camera

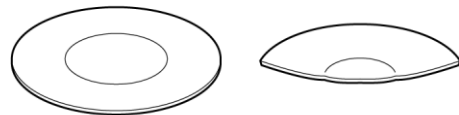
The following trays are recognized when [TRAY MANUAL] is selected, but not recognized when [TRAY AUTO] is selected.



- **Trays made of transparent materials**



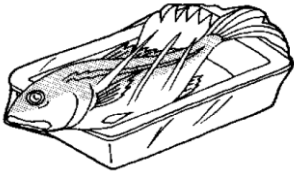
- **Dark blue trays**



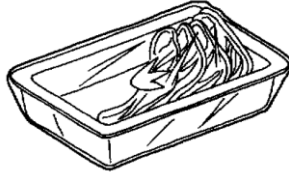
- **Trays other than square and rectangular trays**

■ Filling the trays

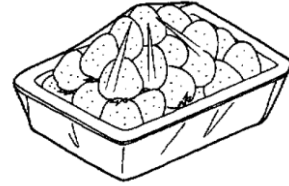
The appearance of the packed trays changes greatly depending on the filling.
Avoid filling the trays as shown below to maintain a consistent packing appearance.



● Contents that do not fit in the tray



● Lopsided contents



● Overfilled trays

■ Usable tray size

Width: 95-360mm

Depth: 80-250mm

Height: 10-50mm

▲ CAUTION

Trays within the parameters above are usable with this machine. Trays with a max. width (360mm) x max. depth (250mm) or with a min. width (95mm) x min. depth (80mm) cannot be used. Some trays might not be packed depending on the shape, material and weight even though the tray sizes are within the acceptable ranges.

1.2.3 FILM TYPE

Use 1000m-long, 250-500mm-wide film designed for automatic rolling that matches the tray.

▲ CAUTION

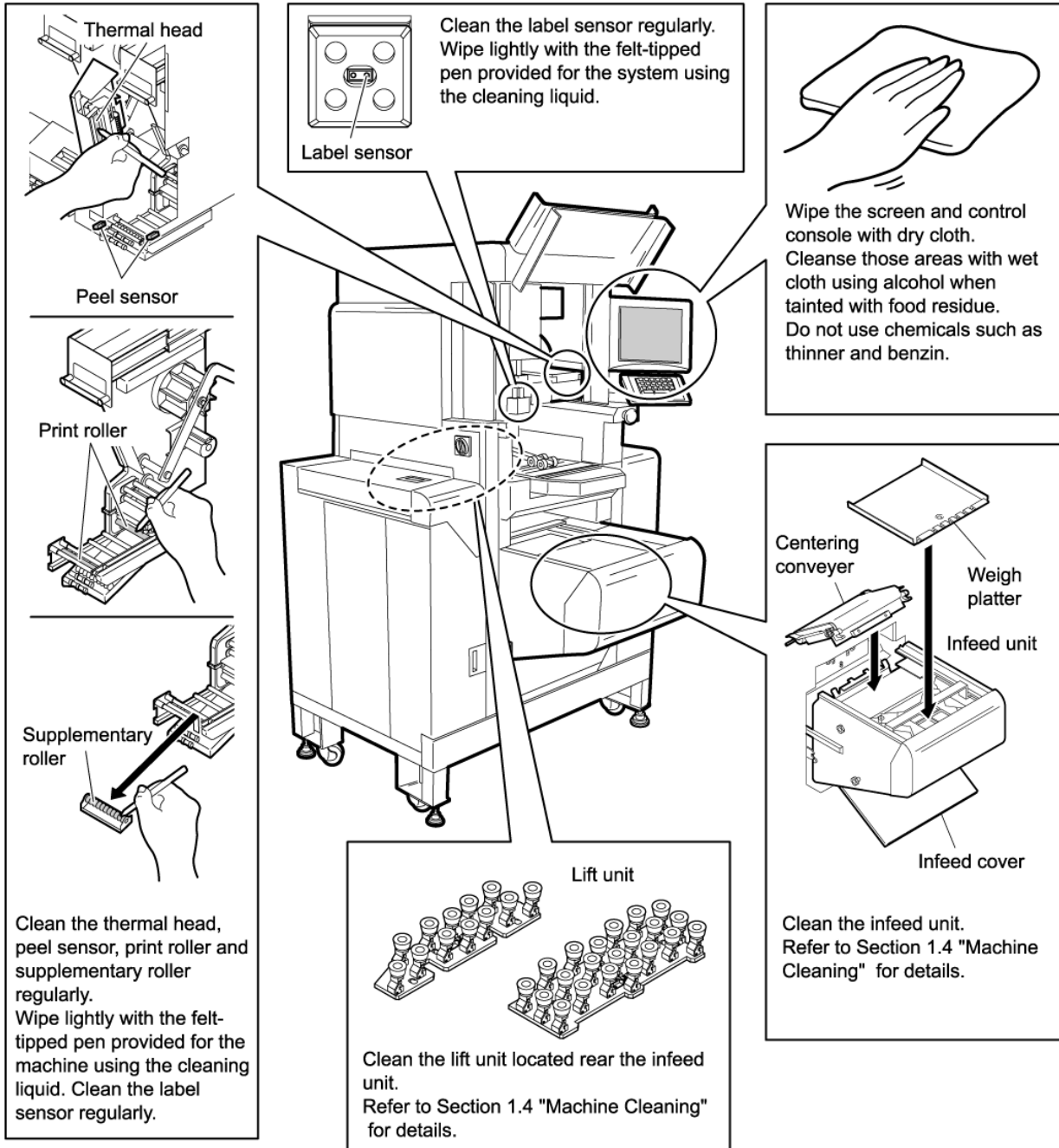
Use the film designated by ISHIDA, as packing may not be performed if other films are used. Contact your ISHIDA service representative for further details regarding usable films.

1.3 DAILY MAINTENANCE

CAUTION

Make sure to turn the main power off when performing daily maintenance.
Do not touch the Discharge Heaters even after operation, as they are still hot.

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



CAUTION

Lubricating each drive unit is not necessary.
In addition, do not apply water directly as it can damage the machine.

1.4 MACHINE CLEANING

In this section, assembly procedures, cleaning and operational checks after cleaning are explained.

1.4.1 PRECAUTIONS FOR CLEANING

The following precautions should be observed to keep this machine clean.

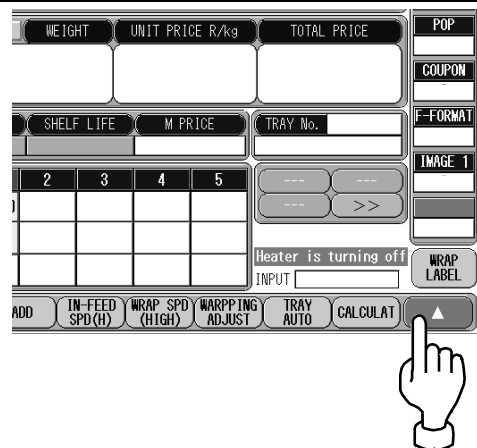
CAUTION

- Make sure to turn OFF the Main Power Switch while cleaning the machine and start only after letting the machine sit for a while. Although the Main Power Switch has been turned OFF, some parts of the machine remain hot for a while.
- The person cleaning this machine should keep all long hair up, wear a hat, appropriate clothing and shoes.
- Make sure to wash hands and wear clean gloves before starting to clean the machine.
- Wet the cleaning cloth with a mild detergent and wring it thoroughly before use.
- Spray alcohol (80% vol.) on the areas in direct contact with food or trays for sterilization.
- A numeric key cover may be a good solution if the numeric keys get heavily soiled. Clean the numeric keys when necessary.

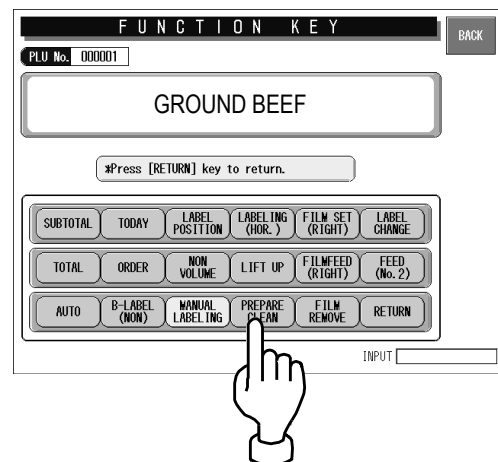
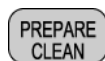
1.4.2 DISASSEMBLY AND CLEANING

Cleaning of each part will be explained in the order of disassembly.

1. Press [△] for the [PREPARE CLEAN] function button on the initial screen.



2. Press [PREPARE CLEAN] on the screen.





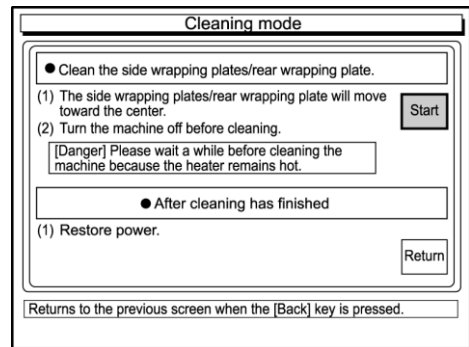
The display returns to the initial screen when [Return] is pressed.

- 3.** The Cleaning Mode screen is displayed.

Press [Start] on the screen.



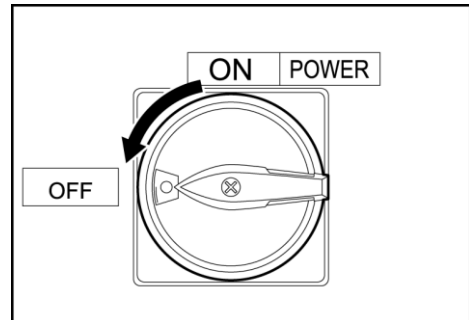
Note: When the Cleaning Mode is executed, the Side Wrapping Plates and Rear Wrapping Plate are released and can be moved manually, and the Lift Unit elevates.



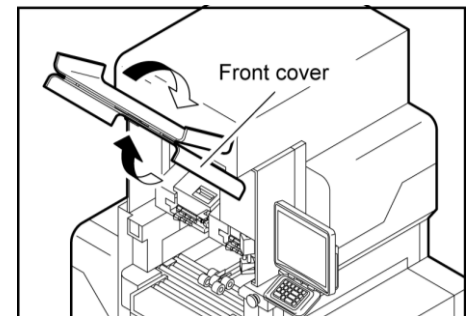
⚠ WARNING

The Discharge Heaters remains hot even after the Main Power Switch has been turned OFF. Avoid touching them as you may burn yourself.

- 4.** Turn OFF the Main Power Switch on the left side of the machine.



- 5.** Open the Front Cover.

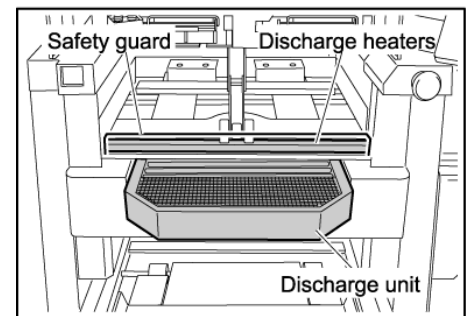


⚠ WARNING

The Discharge Heaters remain hot even after operation. Start cleaning after the Discharge Heaters have cooled down for about 15 minutes.

- 6.** Cleans the Discharge Unit and Discharge Heaters.

The Discharge Heaters are located behind the Safety Guard. Clean stains on each part using cloth. Clean with alcohol if food residue is present.

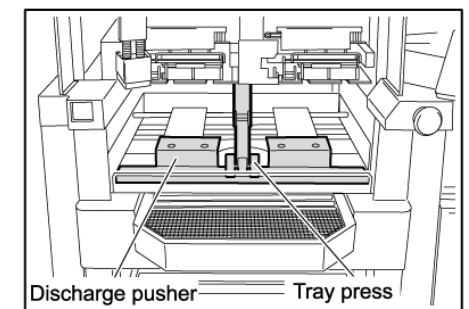


⚠ CAUTION

Be careful not to get your hand caught in the Tray Press when pulling out the Discharge Pusher.

- 7.** Clean the Discharge Pusher.

Pull the Discharge Pusher to the front of the Safety Guard and clean the top and front side using cloth. Clean with alcohol if food residue is present.

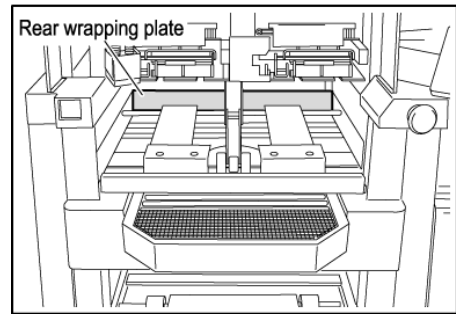


CAUTION

Be careful not to hit your hand on the Tray Press when pulling the Rear Wrapping Plate. Also, be careful not to get your fingers or hand caught in the machine when moving the Discharge Pusher and the Rear Wrapping Plate back to their original positions.

8. Clean the Rear Wrapping Plate.

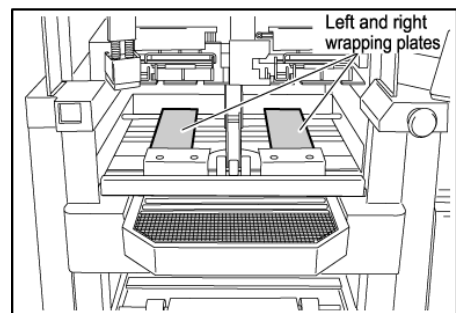
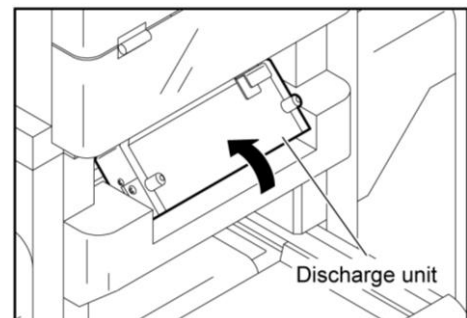
Pull the Rear Wrapping Plate to the front and clean it with cloth. Clean with alcohol if food residue is present. Move the Discharge Pusher and the Rear Wrapping Plate back to their original positions after cleaning.

**CAUTION**

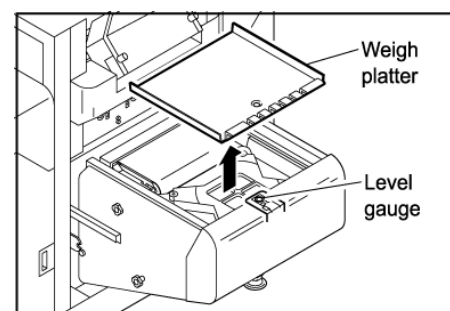
Be careful not to hit your hand on the Tray Press when pulling out the Side Wrapping Plate. Also, be careful not to get your hand caught in the machine when moving the Side Wrapping Plates back to their original positions.

9. Clean the Side (Left & Right) Wrapping Plates.

Pull the Side Wrapping Plates inward and clean them with cloth. Clean with alcohol if food residue is present. Move the Wrapping Plates back to their original positions after cleaning.

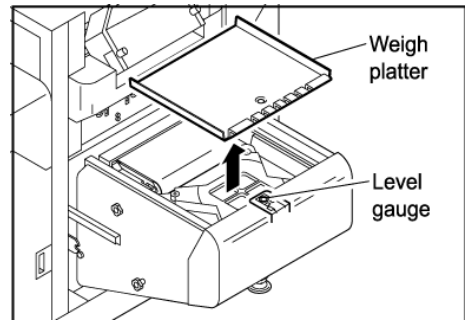
**10. Raise the Discharge Unit.****11. Pull out the Infeed Unit.**

Loosen the side knobs on both sides of the Infeed Unit (one each for left and right) and pull it forward to remove.



12. Clean the Weigh Platter.

Detach the Weigh Platter and rinse it in water.



CAUTION

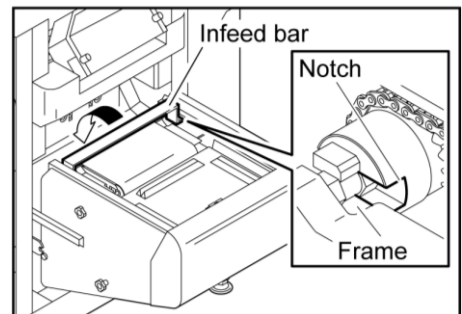
Do not rinse the Centering Conveyor with water.

13. Clean the Centering Conveyor.

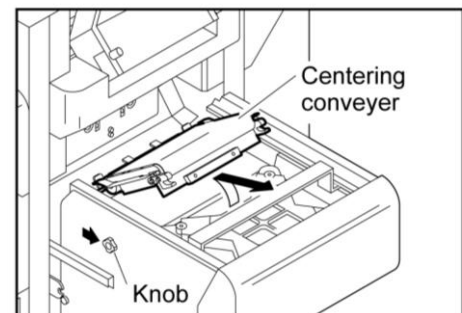
Rotate the detached belt of the Centering Conveyor and clean it with cloth. Clean with alcohol if food residue is present.

Detaching the Centering Conveyor

- Press the Infeed Bar and make the Roller Notch of the Infeed Unit parallel with the Frame.



- Loosen the side knobs on the both sides of the Infeed Unit, and pull the unit to the front. Then, pull to detach the Centering Conveyor.



CAUTION

Be careful not to hit the surrounding parts when detaching the Lift Unit.

14. Clean the Lift Unit.

Rinse the detached Lift Unit in water.

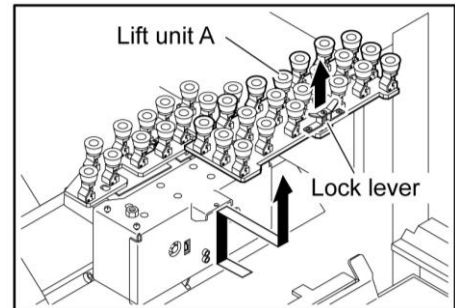
Spray alcohol on the lift detachable area.

CAUTION

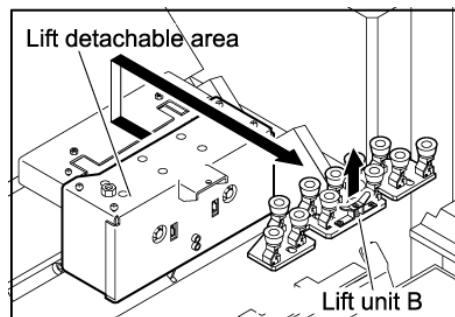
The Lift Head might be damaged and need to be removed if a hard object (such as shellfish) was stuck inside.

Detaching the Lift Unit

- (1) Release the Lift Unit A by pushing up the Lock Lever in the direction of the arrow and detaching it.



- (2) Release the Lift Unit B by pushing up the Lock Lever in the direction of the arrow and detaching it.



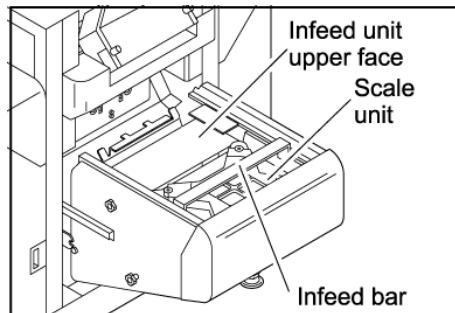
CAUTION

Do not touch the Discharge Heaters when removing the Lift Head.

15. Clean the upper surface of the Infeed and Scale Units.

Clean these units using cloth.

Clean with alcohol if food residue is present.



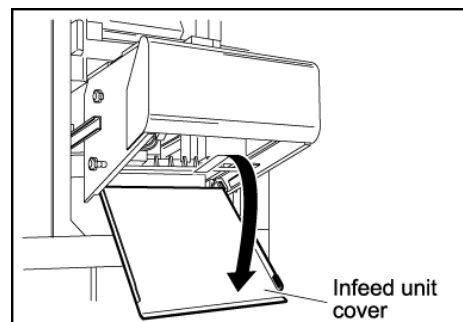
CAUTION

Be careful not to bend the Level Gauge.

16. Clean the Infeed Unit Cover.

Open the Infeed Unit Cover by sliding it forward. Clean the inside with cloth.

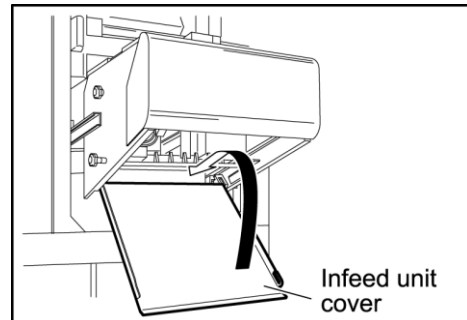
Clean with alcohol if food residue is present.



1.4.3 ASSEMBLY

The assembly procedures for each part after cleaning are described in this section.

1. Close the Infeed Unit Cover.



CAUTION

Dry the Lift Units thoroughly after rinsing them in water before installation.

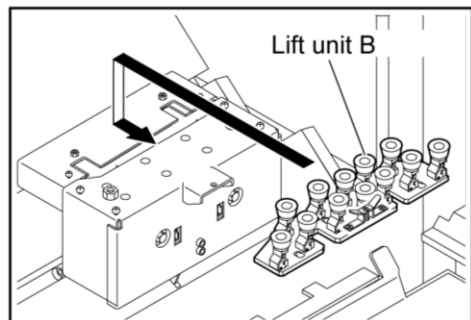
CAUTION

Do not hit surrounding parts with the Lift Unit.

2. Install the Lift Units.

- (1) Insert the Lift Unit B until the Lock Lever clinches.

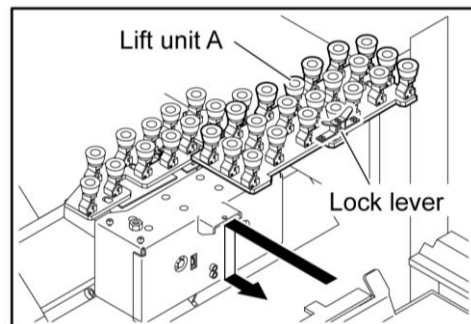
Confirm that the Lift Unit B is properly fixed by moving it back and forth and around.



- (2) Insert the Lift Unit A until the Lock Lever clinches.

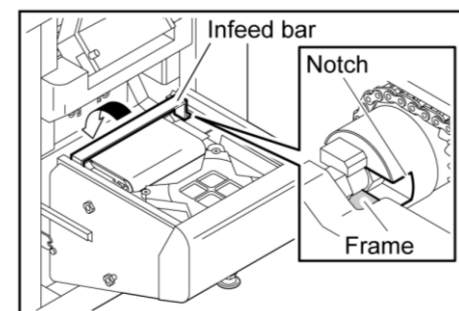
Confirm that the Lift Unit A is properly fixed by moving it back and forth and around.

Spray alcohol after installation has been completed.



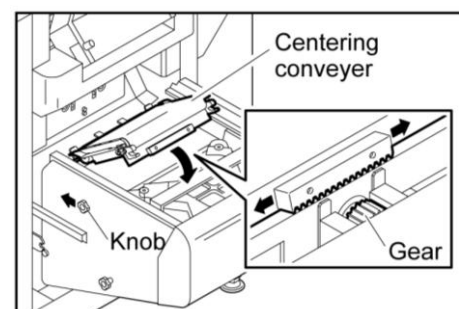
3. Install the Centering Conveyor.

- (1) Confirm that both Notches of the Infeed Unit and Frame are parallel.



- (2) Insert both Centering Conveyor shafts into both notches and fix the conveyor while pushing both knobs (one on each side) to the rear.

Return the Infeed Bar back to its original position.



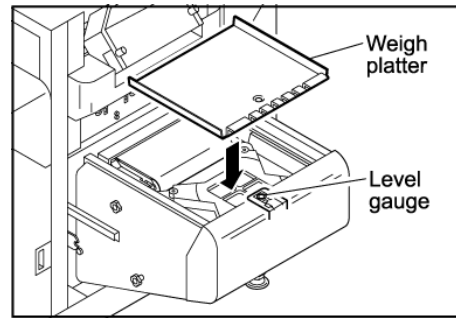
CAUTION

Install the Weigh Platter after thoroughly drying when rinsed with water.

4. Install the Weigh Platter.

Install the Weigh Platter so that the hole of the Weigh Platter fits the Level Gauge of the Infeed Unit.

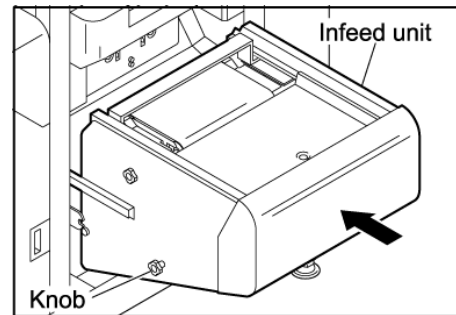
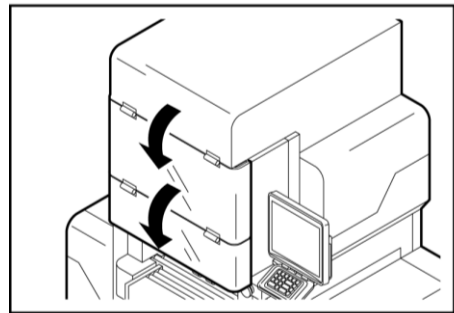
Spray alcohol after installation.

**CAUTION**

When fixing the Infeed Unit, confirm that it is pushed innermost.

5. Return the Infeed Unit to its original position.

Move the Infeed Unit in the direction of the arrow and fasten it with the knobs on the Infeed Unit side panels (one each for each side).

**6.** Close the Front Cover.

1.4.4 OPERATION CHECK

Operation check procedures after cleaning are explained in this section.

WARNING

Parts such as fans and the Applicator Arm will start to 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. Do not touch the machine with wet hands, as you may get an electric shock.

WARNING

Do not put your hand inside the machine while performing the return to the original point.

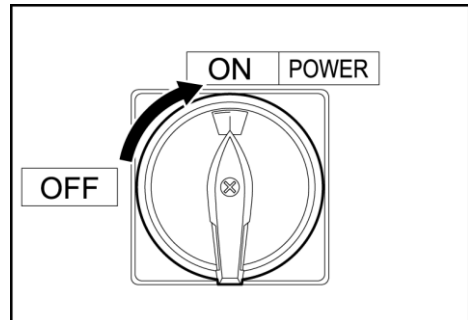
WARNING

The Discharge Heaters get very hot and may cause burns. Make sure that hands, clothes, etc. do not come in contact with them.

1. Turn on the Main Power Switch on the left side of the unit.

“Confirm the return to original position” screen is displayed on the touch panel.

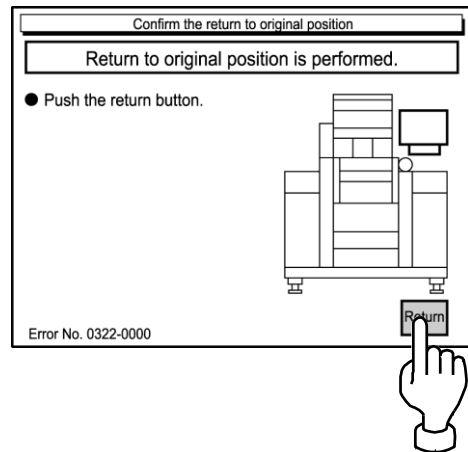
The screen is displayed after about one minute.



2. Press [Return] as displayed on the screen.

Return

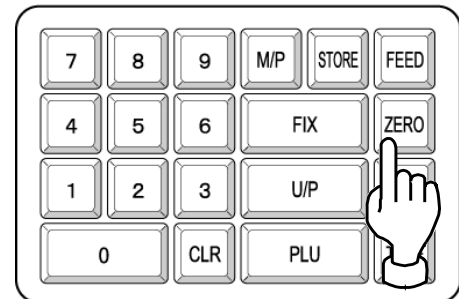
The conveyor and lift return to their original positions and the initial screen is displayed.



3. Press the [ZERO] stroke key.

ZERO

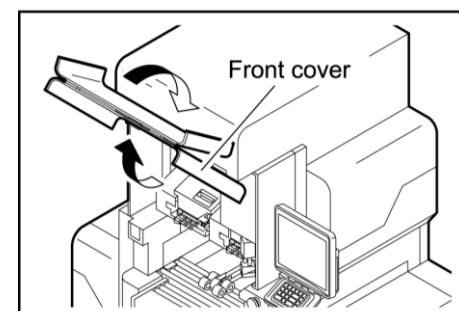
Zero adjustment of the scale is performed and “ZERO” is displayed in the zero indication field after adjustment.



4. Perform the weighing check.

Perform the daily weighing check at the beginning of work using the attached weight depending on frequency of the scale usage.

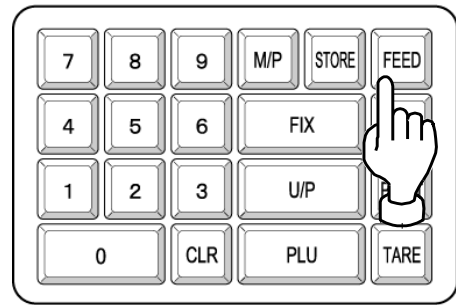
5. Open the Front Cover.



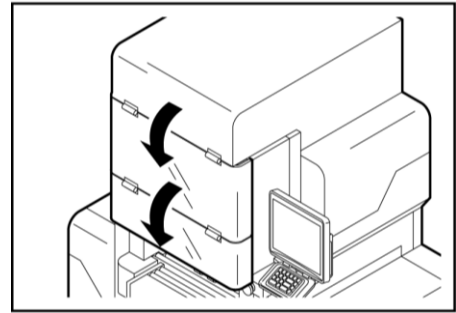
6. Press the [FEED] stroke key.



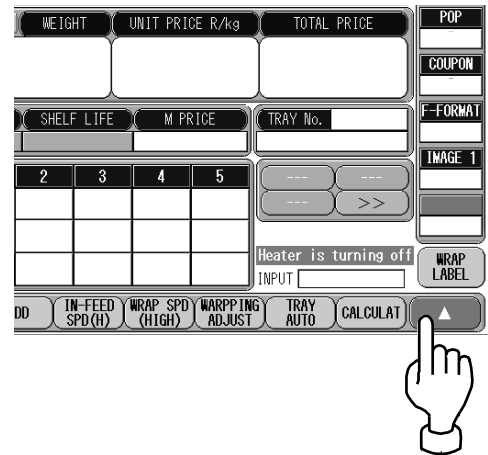
One label is issued.



7. Close the Front Cover.



8. Press [△] for the [LIFT UP] function button on the initial screen.

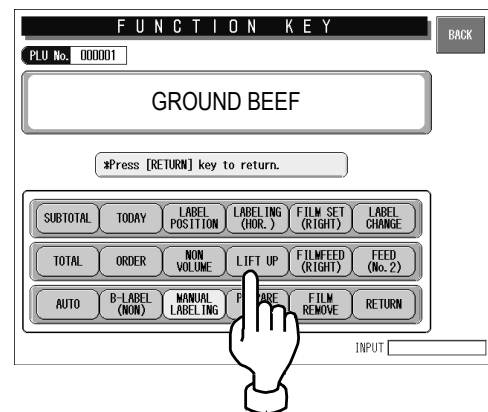


WARNING
Do not put your hand into the wrapper while the lift is moving.

9. Press the [LIFT UP] function button on the screen.



The lift raises to the highest level.

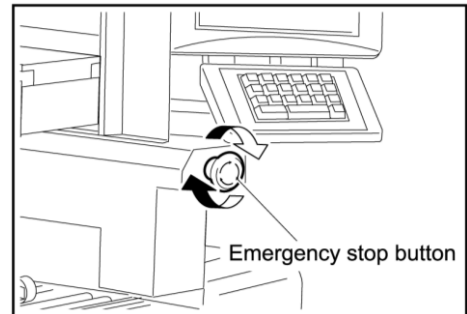


- 10.** Press the Emergency Stop Button on the front panel.



- 11.** Clean litters on the floor with a mop and wash with water.

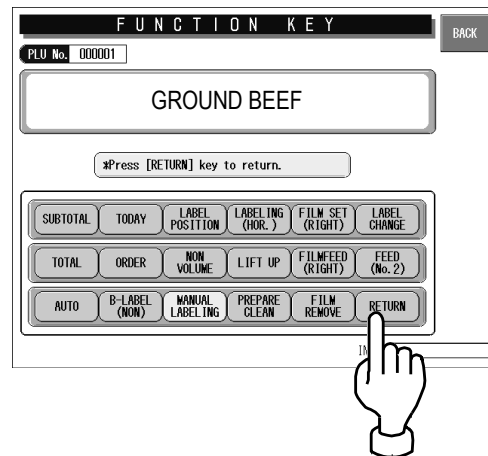
- 12.** Turn the Emergency Stop Button clockwise to release.



⚠ WARNING

The lift descends to the normal level and the display returns to the normal screen.

- 13.** Press the [RETURN] function button on the screen.



1.5 OPERATION START / END

Starting and ending operation is explained in this section.

1.5.1 STARTING OPERATION

WARNING

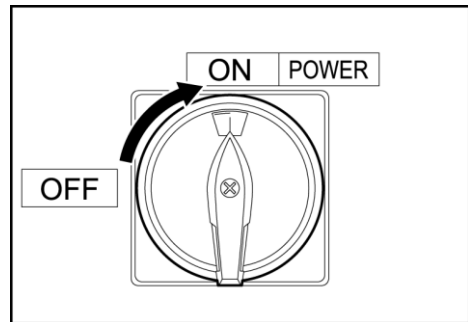
The fan and the Applicator Arm will start moving as soon as the Main Power Switch is turned ON.

Do not put your fingers or hand inside the machine while the Main Power Switch is turned ON. Do not touch the Main Power Switch with the wet hand, otherwise you may get an electric shock.

1. Confirm that nothing remains on the Weigh Platter or in the wrapping area.

2. Turn ON the Main Power Switch on the left side of the unit.

After about one minute, the confirmation screen of the return operation is displayed on the touch panel.



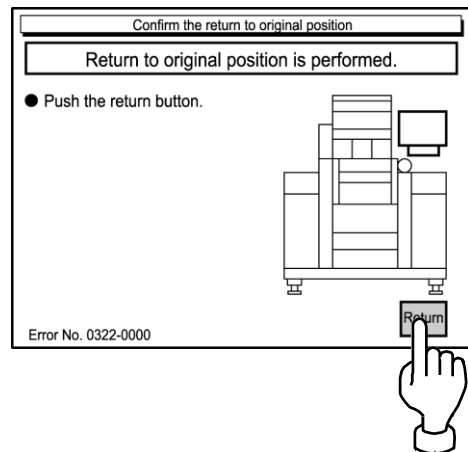
CAUTION

The Discharge Heaters get very hot and may cause burns. Make sure that hands, clothes, etc. do not come in contact with them.

3. Press [Return] on the screen.

Return

The conveyors and the Lift Units return to their original positions and the initial screen is displayed.



CAUTION

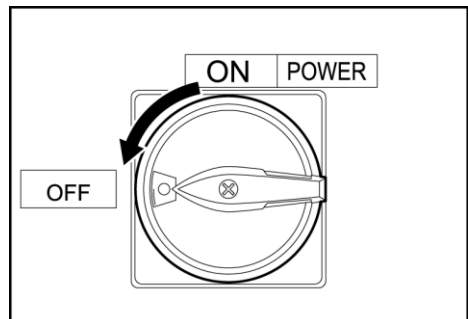
Do not put your fingers or hand inside the machine while performing the return operation.

1.5.2 ENDING OPERATION

CAUTION

The Discharge Heaters remain very hot after the Main Power Switch is turned OFF. Avoid burns by not touching them.

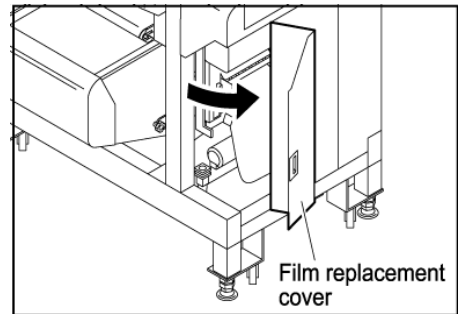
1. Confirm that nothing remains on the Weigh Platter or in the wrapping area, then turn OFF the Main Power Switch.



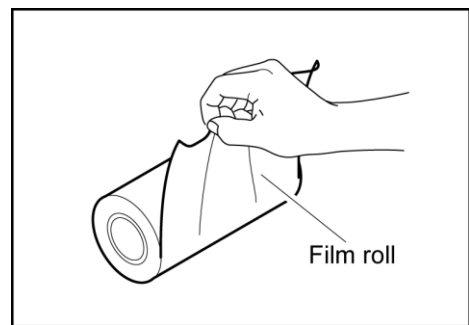
1.6 FILM LOADING

Loading the film is explained in this section. Load the film after fully understanding the contents of this section.

1. Open the Film Replacement Cover.



2. Peel the edge of the film.

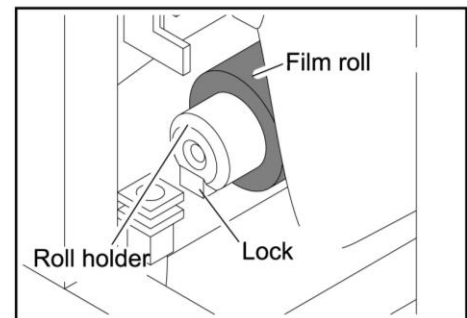


CAUTION

Make sure that the film roll is loaded in the correct direction. If not, it might cause a failure.

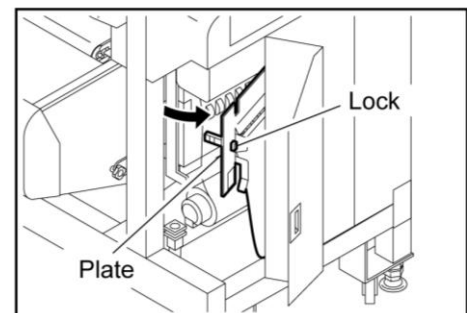
3. Load the film roll on the Roll Holder.

Insert the roll until it clicks.



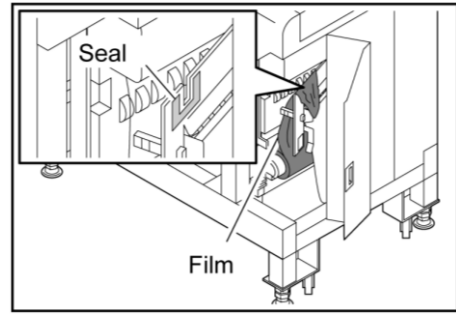
4. Release the lock and open the plate.

Remove the film if it is left in the plate.

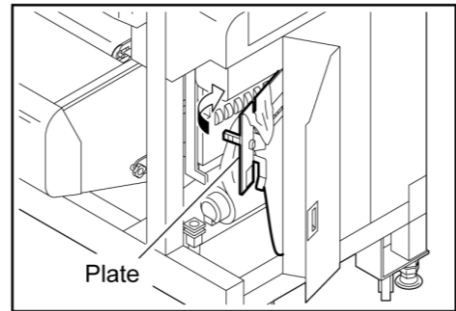


Pull to remove the film roll while pressing the lock.

- 5.** Set the film so that it covers the sealing area on the plate.



- 6.** Close the plate.



CAUTION

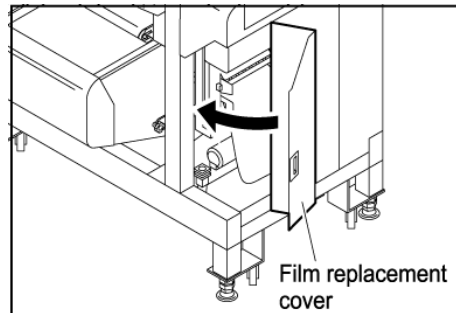
This operation will not start when the Emergency Stop Button has been pressed or an error message is being indicated.
If the film cannot be set even after the error has been cancelled, press the [FILM SET (RIGHT)] function button.
Press this button after the following numeric entry when the film is set on the opposite side.

Right..... 1
Left..... 2

- 7.** Close the Film Replacement Cover.

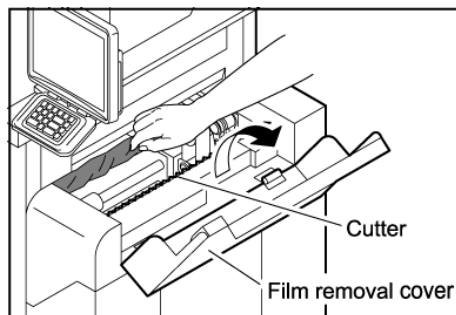
The film is automatically fed into the wrapping area.

The message is displayed telling you that the film feeding is completed.



- 8.** Open the Film Removal Cover and remove the film.

Be careful not to tear off the film.



- 9.** Close the Film Removal Cover.

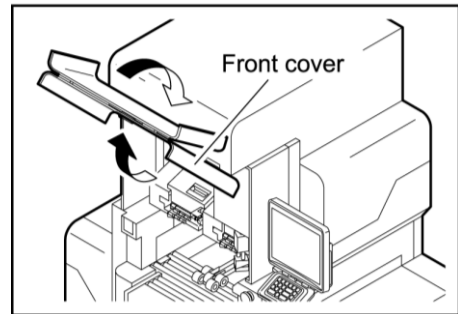
CAUTION

Be careful not to touch the Cutter to avoid injury.

1.7 LABEL SETTING

Setting the label is explained in this section. Set the film after fully understanding the contents of this chapter.

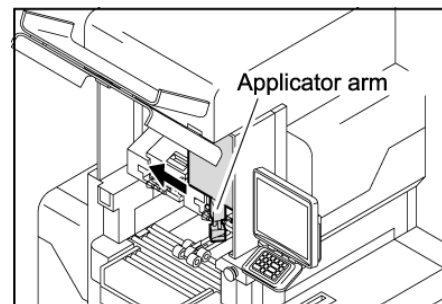
1. Open the Front Cover.



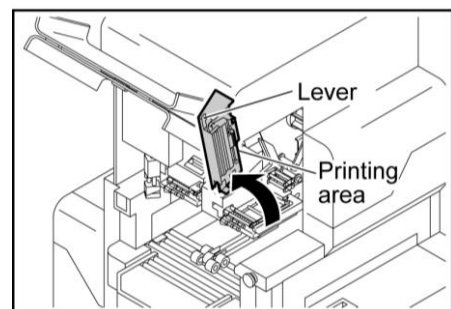
CAUTION

Before moving the Applicator Arm, press the [LABEL CHANGE] function button. The shaft may be bent if moved forcibly.

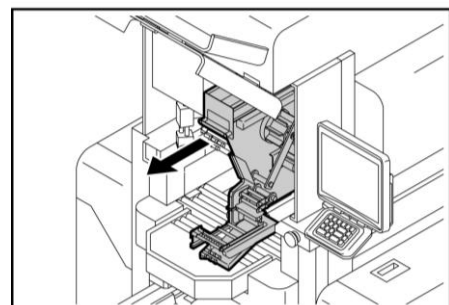
2. When the Applicator Arm is in front of the printer, move the Applicator Arm to the side.



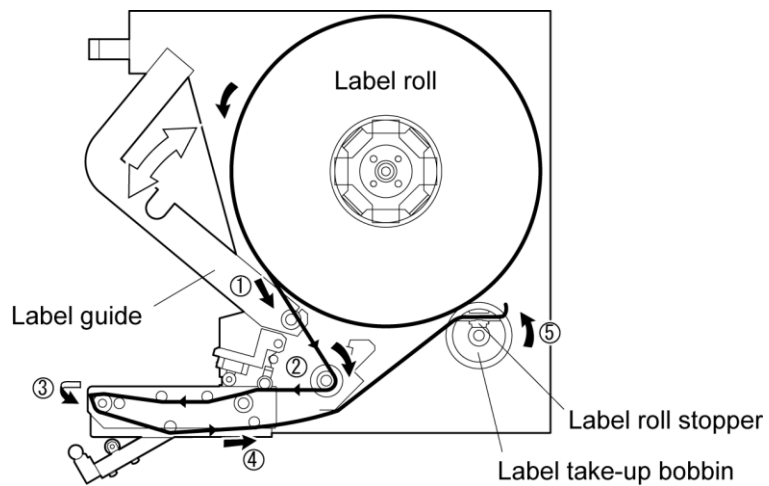
3. Lift the lever to open the printing area.



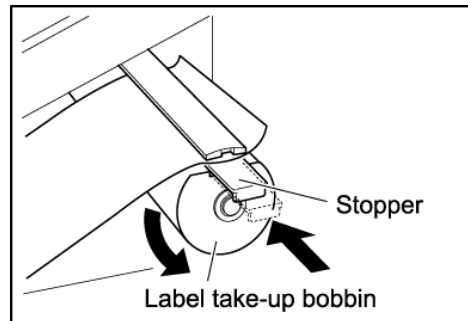
4. Pull the printer forward.



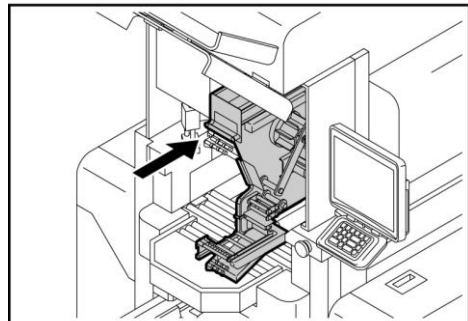
- 5.** Thread the label paper in the order described in the figure shown below.



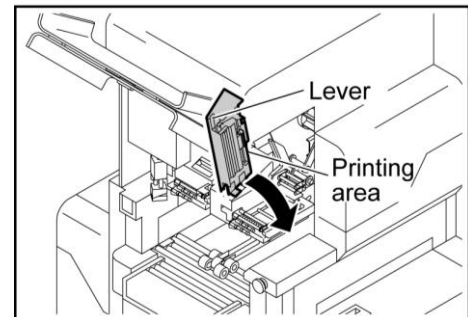
- 6.** Fix the edge of the backing paper with the stopper and rotate the Label Take-up Bobbin slightly counterclockwise until the label slack is taken up.



- 7.** Move the printer back to its original position.



- 8.** Close the lever.





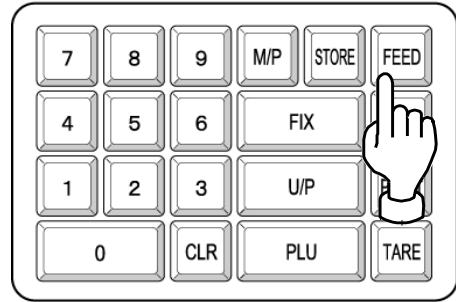
When using two printers, enter “2” and keep pressing the [FEED] stroke key to feed the label for printer #2 until it is fed to the printing area.



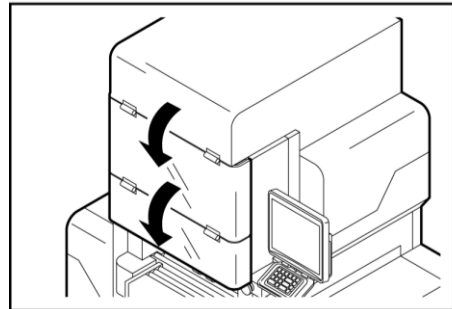
- 9.** Keep pressing the [FEED] key until the label is fed to the printing area.



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



- 10.** Close the Front Cover.



1.8 DEFINITION OF TARE WEIGHT

The total weight of a packed commodity consists of net weight, garnishing served with the filling, seasonings such as sauce, and film and tray weights. The total weight other than the net weight is collectively called "TARE".

To measure the net weight accurately, the tare weight is defined for this machine as described below. The tare weight is displayed when the PLU is called on the normal screen.



- Mustard
- Chilli sauce
- Mayonnaise
- Garnishing, etc.

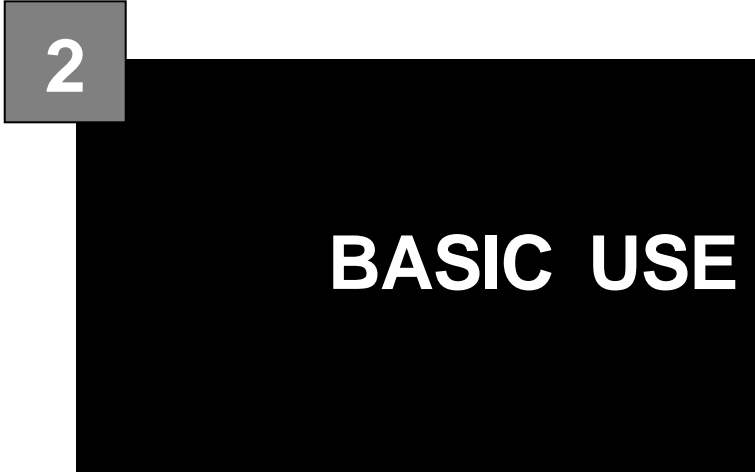
- By registering the tare weight at two different places, the net weight can be automatically measured when the tray size is changed for the same commodity.
- The displayed tare weight in Wrap/Label mode is different from the one in Label only mode.

WRAP/LABEL

Tare weight = Tray weight + Sub-material weight

LABEL

Tare weight = Total tare weight = (Tray weight + Film weight) + Sub-material weight



2

BASIC USE

CONTENTS

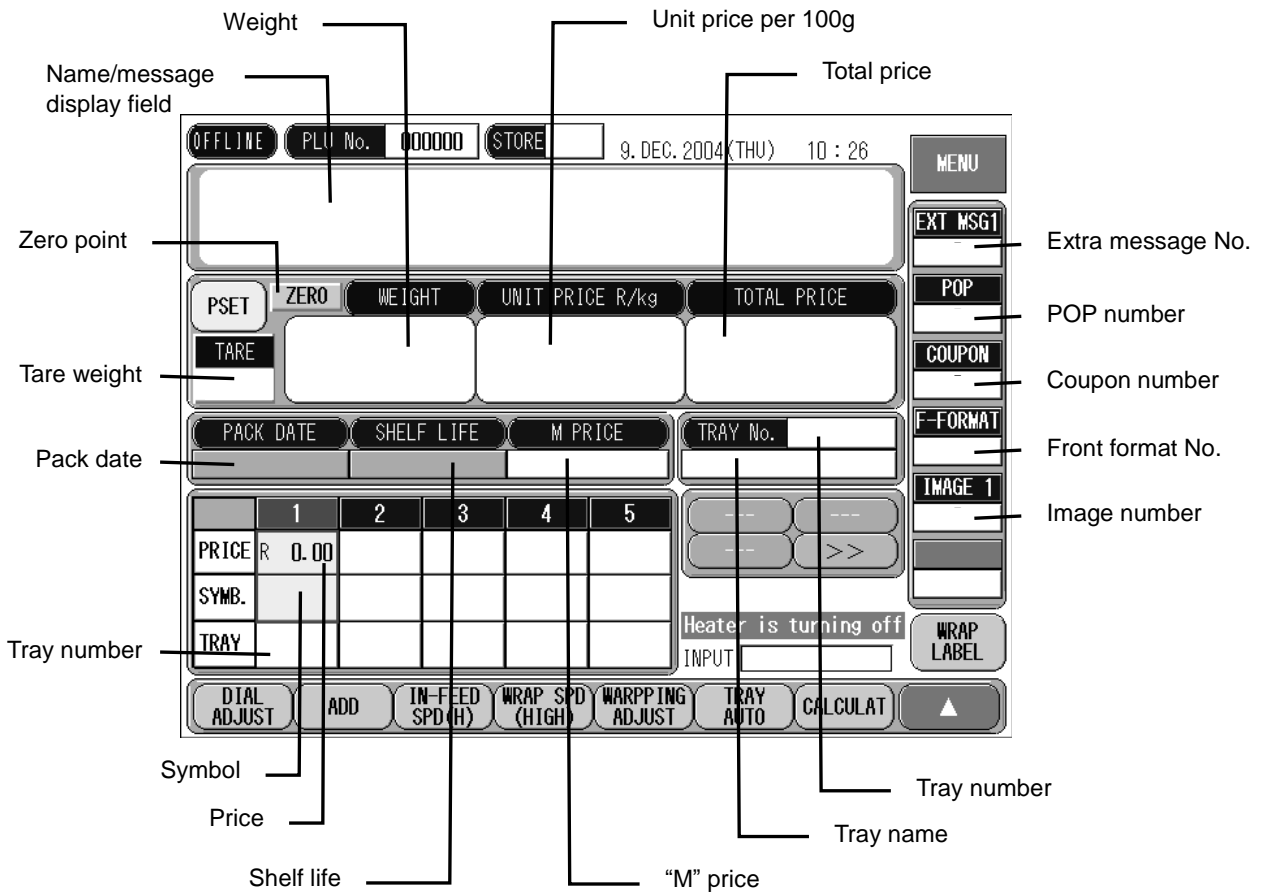
2.1 SCREENS IN NORMAL MODE 2-2

2.2 WEIGHING, WRAPPING AND LABELING 2-4

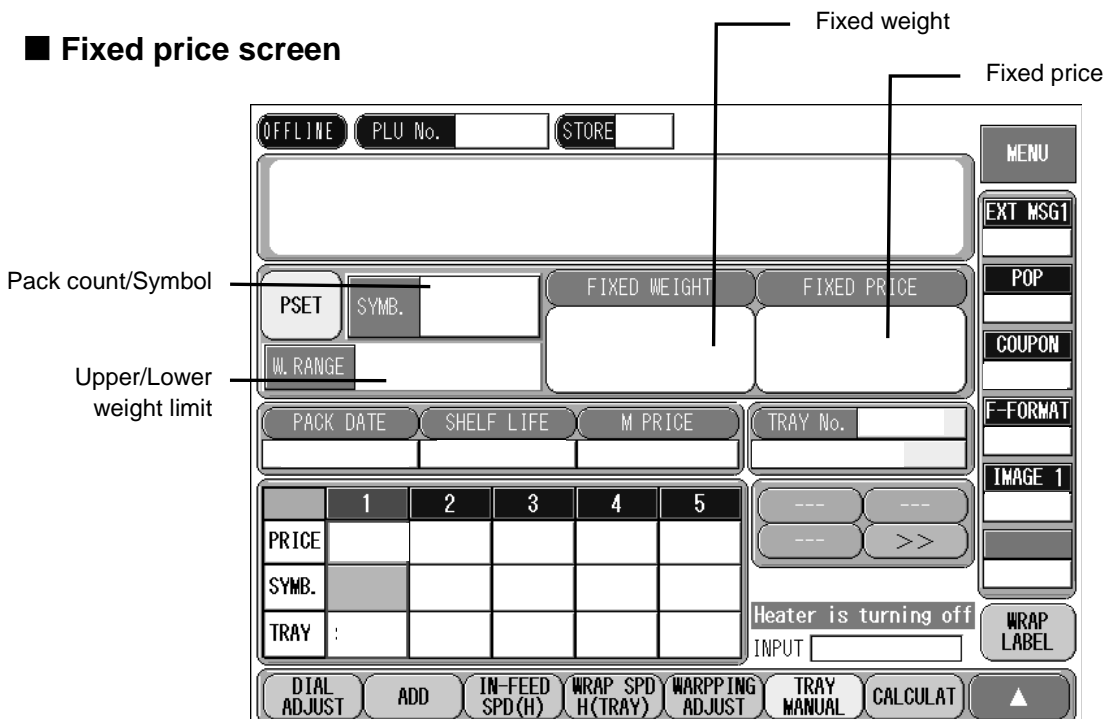
2.1 SCREENS IN NORMAL MODE

2.1.1 DISPLAY FIELDS ON THE INITIAL SCREEN

■ Weighing screen



■ Fixed price screen



2.1.2 TOUCH KEYS ON THE INITIAL SCREEN

■ Weighing PLU Screen

Displays the called PLU list when pressed after numeric entry. Also displays the Category Preset screen when touched without numeric entry.

Displays the called PLU detail information when pressed.

Displays the store number when multiple stores are used for production.

Displays the print selection screen.

Changes between In-line and Off-line

Performs the scale zero point calibration.

Displays the Memo Preset PLU screen.

Displays the Main Menu screen.

Numeric function keys

Changes the wrapping mode. (Wrap & Label/Label/Wrap)

Price list

Main function keys

Changes the data when pressed after numeric entry. Also displays the Pack Date Setting screen when touched without numeric entry.

Changes the data when pressed after numeric entry. Also displays the print selection screen when touched without numeric entry.

Changes the data when pressed after numeric entry. Also displays the Tray List screen when touched without numeric entry.

Displays the "M" Price print selection screen.

■ Fixed Price PLU Screen

Changes the data when pressed after numeric entry. Also displays the input field for the fixed PLU symbol and pack quantity without numeric entry.

Displays the Upper/Lower Weight Limit setting screen.

Changes the data when pressed after numeric entry. Also displays the print selection screen without numeric entry.

2.2 WEIGHING, WRAPPING AND LABELING

This machine performs weighing, wrapping, and labeling for the called commodity. It can also perform wrapping or labeling only when necessary.

2.2.1 WEIGHING / WRAPPING / LABELING

EXAMPLE

Perform weighing, wrapping and the automatic labeling for “SLICED BEEF” registered in PLU No. 5.

CAUTION

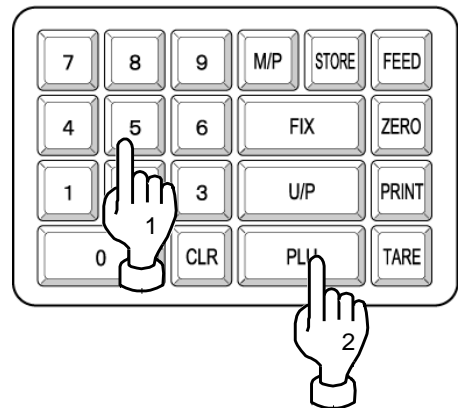
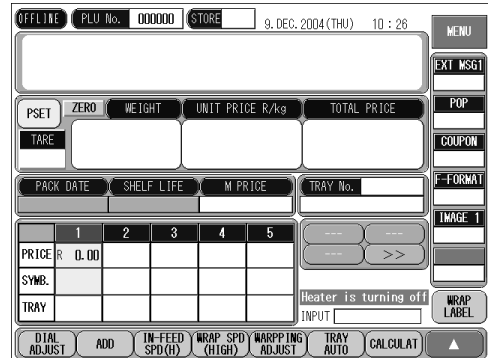
Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

1. Confirm that the initial screen is displayed.

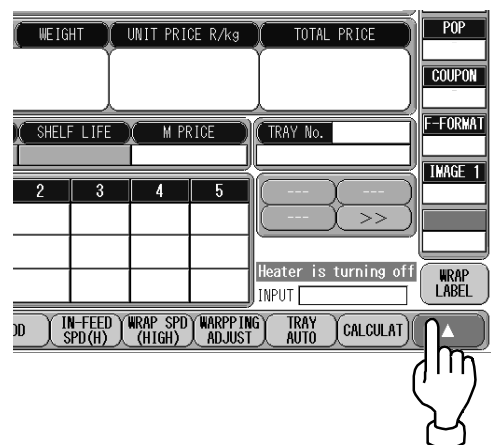
Enter the PLU number, and press the [PLU] stroke key.



The PLU name, unit price and additional information will be displayed on the screen.



2. Press [△] for the [AUTO LABELING] or [MANUAL LABELING] function button on the screen.





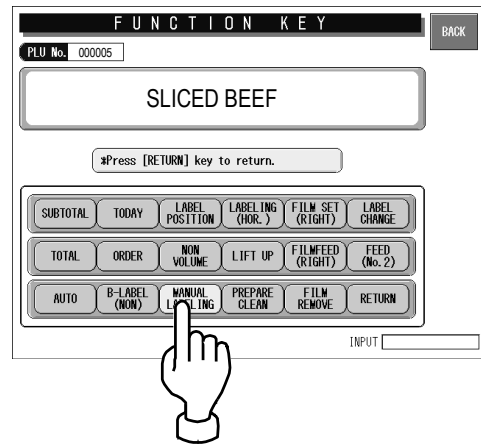
When performing manual labeling, press [MANUAL LABELING] to display "Manual Labeling. The issued label is transported to the bottom of the Printer Cover.

3. Confirm that [AUTO LABELING] is displayed on the screen. If not, press [MANUAL LABELING] to change the button display to [AUTO LABELING].



The button display will change in the order [AUTO LABELING] → [MANUAL LABELING] when the button is pressed.

NOTE: [AUTO LABELING] is usually displayed.



CAUTION

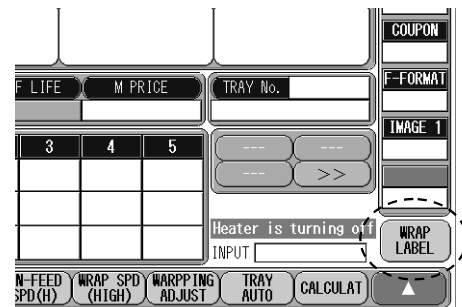
When using a transparent, dark blue or special tray, select the tray from the tray fields of the price list, and press the [TRAY AUTO] function button to change the button display to [TRAY MANUAL].

4. Confirm that [WRAP/LABEL] is displayed on the screen. If not, press [WRAP] or [LABEL] until [WRAP/LABEL] is displayed.



The button display will change in the order [WRAP/LABEL] → [LABEL] → [WRAP] when the button is pressed.

NOTE: [WRAP/LABEL] is usually displayed.



CAUTION

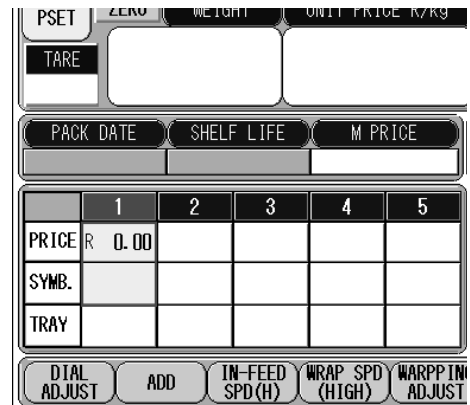
Enter the tray number if the tray to be used is not yet listed.



Press the blank button.

5. Confirm that the tray number to be used for the labeling is registered in the price list.

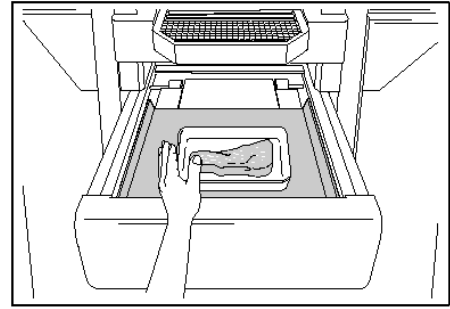
It is only required before setting the tray and you may operate the machine without confirming it once it is set.



NOTICE

Make sure that the tray is placed in the middle of the Weigh Platter. The tray might not be recognized correctly when it is not properly placed on the Weigh Platter.

- 6.** Place a commodity filled tray in the middle of the Weigh Platter.



 **WARNING**

Do not touch the commodity after placing it on the Weigh Platter. The Infeed Bar operates automatically immediately after the commodity is placed and your hand may get caught in the Infeed Bar area.

- 7.** Continuously place commodities.

Weighed, wrapped, and labeled commodities are discharged.

2.2.2 WRAPPING ONLY

EXAMPLE

Perform wrapping only for "SLICED BEEF" registered as PLU No.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 special tray, select the tray from the tray fields of the price list, and press the [TRAY AUTO] function button to change the button display to [TRAY MANUAL].

NOTICE

Place the tray in the middle of the Weigh Platter. The tray might not be correctly recognized if it is not placed properly.

WARNING

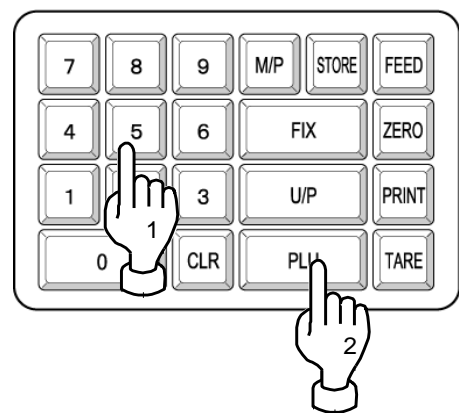
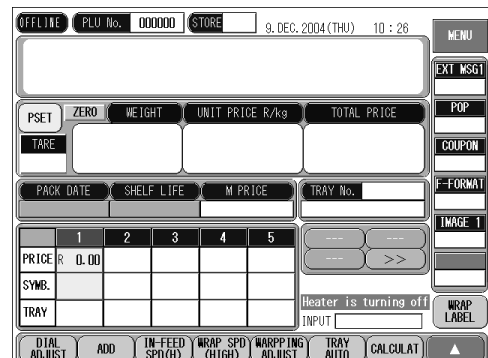
Do not touch the commodity after placing it on the Weigh Platter. The Infeed Bar operates automatically immediately after the commodity is placed and your hand may be caught in the Infeed Bar area.

1. Confirm that the initial screen is displayed.

Enter the PLU number, and press the [PLU] stroke key.



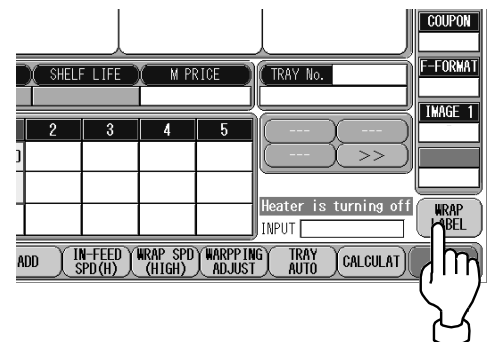
The PLU name, unit price and additional information will be displayed on the screen.



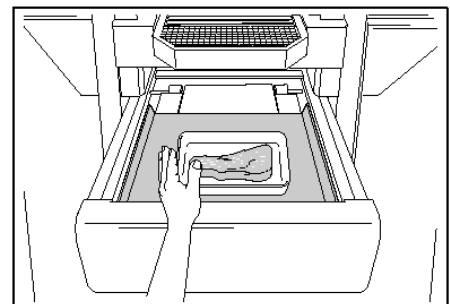
2. Confirm that [WRAP] is displayed. If not, press [WRAP/LABEL] or [LABEL] until [WRAP] is displayed.



The button display will change in the order [WRAP/LABEL] → [LABEL] → [WRAP] when the button is pressed.



3. Place the tray filled with the commodity on the Weigh Platter.



4. Repeat step 3, and the wrapped commodity is discharged.

2.2.3 LABELING ONLY (MANUAL)

EXAMPLE

Perform labeling only for “SLICED BEEF” registered as PLU No.5.

CAUTION

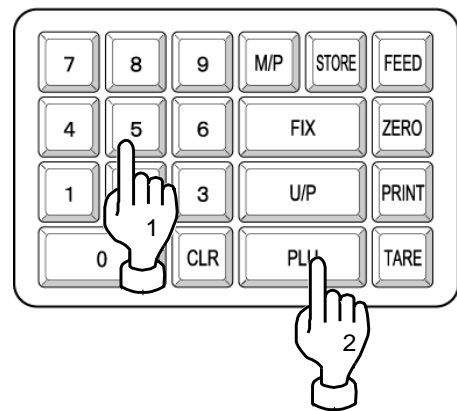
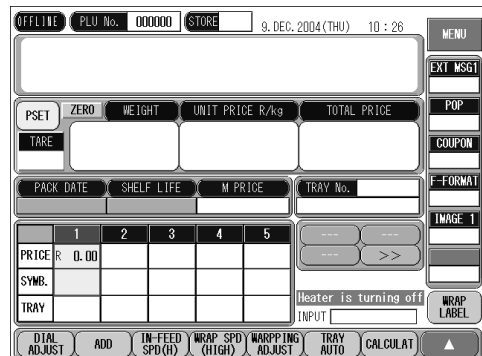
Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

1. Confirm that the initial screen is displayed.

Enter the PLU number, and press the [PLU] stroke key.

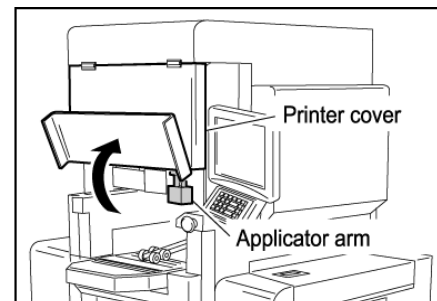


The PLU name, unit price and additional information will be displayed on the screen.



2. Open the Printer Cover.

Wrap mode automatically changes to [LABEL] when the Printer Cover is opened.



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



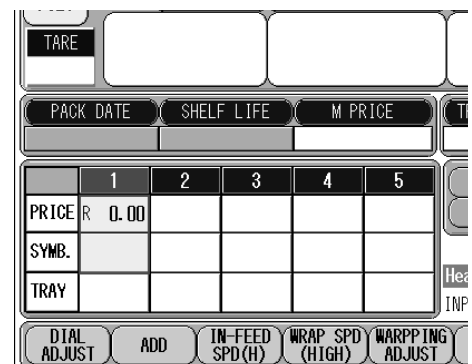
Confirm the labeling conditions.

CAUTION

Enter the tray number if the tray to be used is not listed yet.



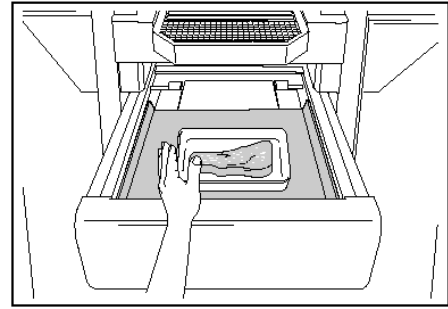
Press the blank button.



-
- 4.** Place a pre-packed commodity on the Weigh Platter.

The commodity is weighed and the label is printed.

Attach the label on the pre-packed commodity.



2.2.4 LABELING ONLY (AUTOMATIC)

EXAMPLE

Perform labeling only for “SLICED BEEF” registered as PLU No.5.

CAUTION

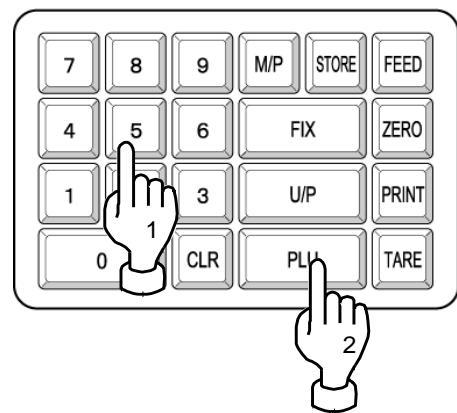
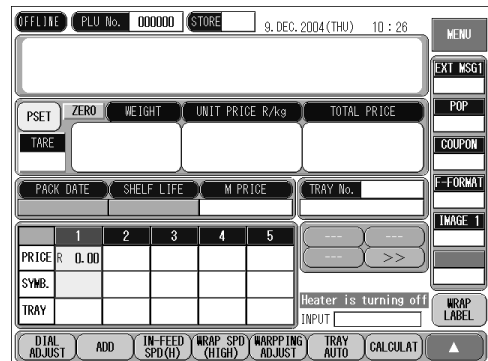
Lightly press the touch panel with your finger. Pressing the panel using pointed objects such as fingernails or mechanical pencils may damage the touch panel.

1. Confirm that the initial screen is displayed.

Enter the PLU number and press the [PLU] stroke key.



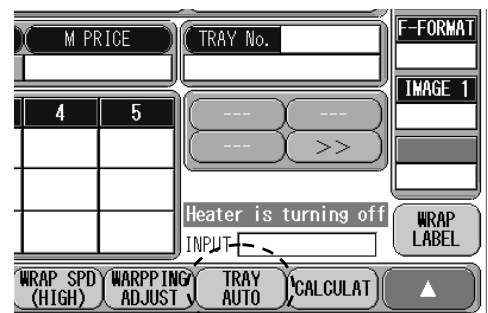
The PLU name, unit price and additional information will be displayed on the screen.



2. Confirm that [TRAY AUTO] is displayed. If not, press [TRAY MANUAL] to change the button display to [TRAY AUTO].



The button display will change in the order [TRAY AUTO] → [TRAY MANUAL] by pressing the button.



Note: [TRAY AUTO] is usually displayed.

CAUTION

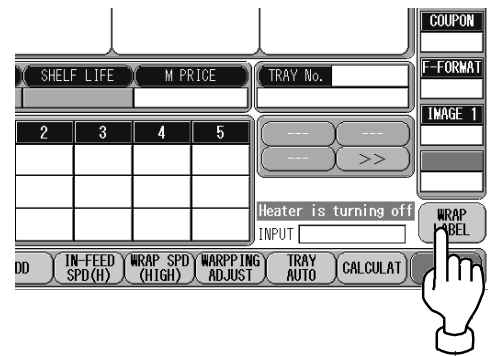
When using a transparent, dark blue or special tray, select the tray from the tray fields of the price list, and press the [TRAY AUTO] function button to change the button display to [TRAY MANUAL].

3. Confirm that [LABEL] is displayed. If not, press [WRAP/LABEL] or [WRAP] until [LABEL] is displayed.

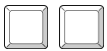


The button display will change in the order [WRAP/LABEL] → [LABEL] → [WRAP] by pressing the button.

Note: [WRAP/LABEL] is usually displayed.

**CAUTION**

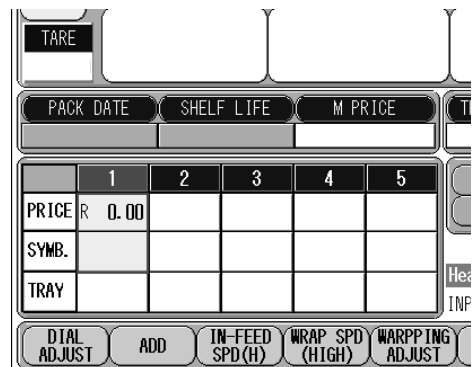
Enter the tray number if the tray to be used is not listed yet.



Press the blank button.

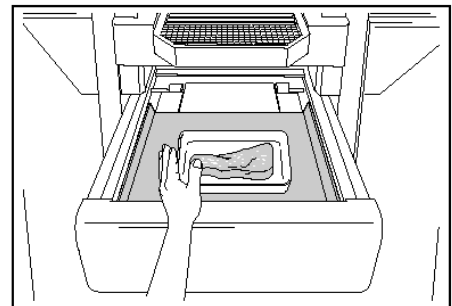
4. Confirm that the tray number to be used for labeling is registered in the price list.

It is only required before setting the tray and you may operate the machine without confirming it once it is set.

**NOTICE**

Place the tray in the middle of the Weigh Platter. The tray might not be correctly recognized if it is not placed properly.

5. Place a pre-wrapped commodity wrapped in the middle of the Weigh Platter.

**WARNING**

Do not touch the commodity after placing it on the Weigh Platter. The Infeed Bar operates automatically immediately after the commodity is placed and your hand may be caught in the Infeed Bar area.

6. Place the commodity continuously. The automatically labeled commodities are discharged through the wrapper.

3

ADVANCED USE

CONTENTS

3.1 AUTOMATIC TRAY RECOGNITION 3-2
3.2 PLU DATA CALL FROM DISPLAYED LIST 3-3
3.3 PLU DATA CALL FROM CATEGORY PRESET 3-5
3.4 PLU DATA CALL WITH MEMO PRESET BUTTON 3-6
3.5 PLU DATA CHANGE/ADDITION 3-10
3.6 CHANGING DATE AND TIME FOR LABELS 3-17
3.7 CHECKING PRINT ITEMS FOR LABELING 3-20
3.8 CONVENIENT USE OF FUNCTION KEYS 3-21

3.1 AUTOMATIC TRAY RECOGNITION

This machine performs wrapping and labeling by recognizing the size of a tray that is placed on the weigh platter with the CCD camera and setting the tray number automatically.

Note: The camera cannot recognize transparent or dark blue tray. Switch the tray mode from [TRAY AUTO] to [TRAY MANUAL] for such a case.

PRICE LIST

1. Automatic tray recognition mechanism

The CCD camera recognizes the tray size when the commodity is placed on the weigh platter. The machine makes a comparison of tray size between the recognized and the one registered in the price list to specify the tray, thus highly accurate wrapping and labeling is achieved. Registering all possible tray sizes that are used for one commodity makes daily operation easier.

For instance, you can register Tray No.2 when the larger-sized Tray No.2 is used for “Sliced Beef at \$2.98 per 100g” that is normally packed in Tray No.1.

	1	2	3	4	5
Price	g \$2.98	g \$2.98			
SYMB.					
Tray No	1	2			

Registering as many as up to five kinds of trays makes daily operation easier.

2. Difference between the [TRAY AUTO] and [TRAY MANUAL]

The price and reference numbers are treated separately from the [TRAY No.] in [TRAY AUTO] mode which automatically recognizes the tray. In other words, specified data is used for the price and reference number and the data selected from the price list is used for the tray.

	1	2	3	4	5
Price	g \$1.98	g \$218	g \$2.38	g \$2.58	g \$2.78
SYMB.					
Tray No	10	20	30	40	50

On the other hand, in [TRAY MANUAL] mode, the price, reference number, and tray are used as one combined data set.

	1	2	3	4	5
Price	\$0.78	\$1.48	\$2.28	\$3.08	\$3.88
SYMB.	1pc.	2pc.	3pc.	4pc.	5pc.
Tray No	111	112	113	114	115

3.2 PLU DATA CALL FROM DISPLAYED LIST

When you do not remember the exact PLU number, but you have a vague idea that the PLU might be somewhere around PLU No.15, enter "15" to display the PLUs before and after that number and select the one you want from the list.

The screenshot shows a terminal window titled "CATEGORY PLUS LIST (10)". The window contains a list of 10 items, each with a 5-digit PLU number and a description. Below the list is a control panel with several buttons and an input field. Callouts provide the following explanations:

- RETURN**: Closes the list without selecting a PLU.
- Turn over the screen.**: Points to the up and down arrow buttons.
- SKIP**: Displays the PLU list centered on the entered PLU number when pressed after numeric entry. Also displays the initial list when pressed without numeric entry.
- CUT CHAR 0**: Truncates the PLU name.
- 10 20**: Selects the number of PLUs.
- INPUT**: An empty text input field.

PLU Number	Description
000001	GROUND BEEF
000002	GROUND BEEF SPECIAL
000003	TEXAS GROUND BEEF
000004	OREGON GROUND BEEF
000005	CALIFORNIA GROUND BEEF
000006	UTAH GROUND BEEF
000007	SLICED BEEF
000008	SLICED BEEF SPECIAL
000009	SLICED TEXAS BEEF
000010	SLICED OREGON BEEF

EXAMPLE

You want to call “UTAH GROUND BEEF”, but you do not remember the exact PLU number.



Press [▽] or [△] to turn over the screen to acquire the desired PLU when it is not displayed on the screen.

1. Enter the PLU number you think it might be, and press the [PLU No.] field.



The PLU can also be called by pressing the [PLU] stroke key after entering the numeric value + PLU.

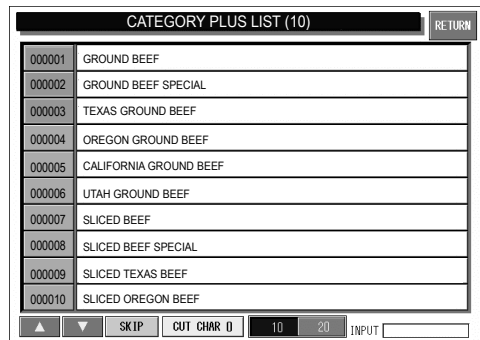


2. The PLU list will be displayed centering on the entered PLU number.

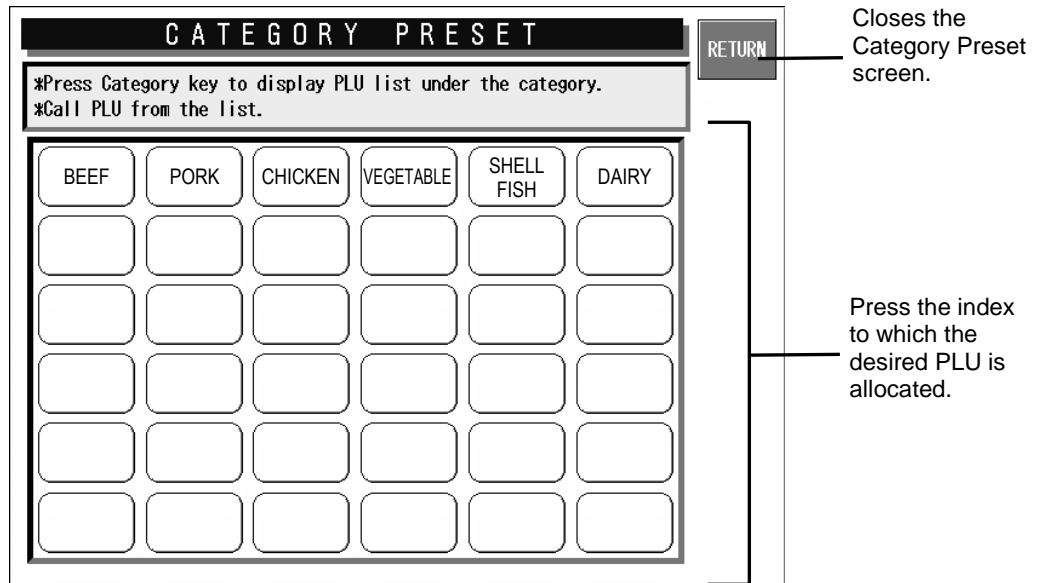
Press [UTAH GROUND BEEF] to make a selection from the list.



The display automatically returns to the initial screen and the PLU information for the “UTAH GROUND BEEF” is displayed.



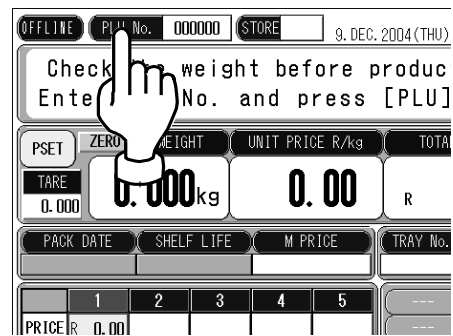
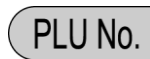
3.3 PLU DATA CALL FROM CATEGORY PRESET



EXAMPLE

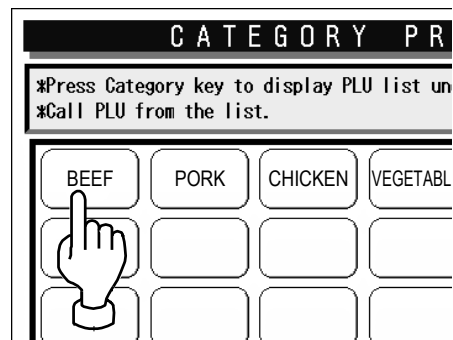
Call the PLU No.6 “UTAH GROUND BEEF”.

1. Press the [PLU No.] field on the screen.



2. The Category Preset screen is displayed.

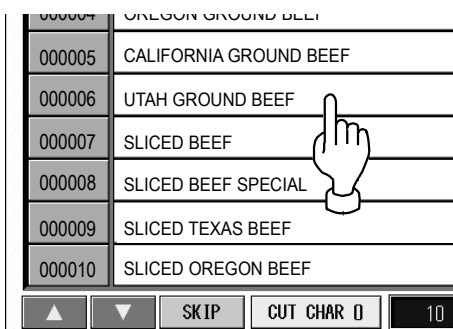
Press the index for “BEEF” to make a selection.



3. Press [UTAH GROUND BEEF] from the PLU list to make a selection.



The display automatically returns to the initial screen and the PLU information for the “UTAH GROUND BEEF” is displayed.

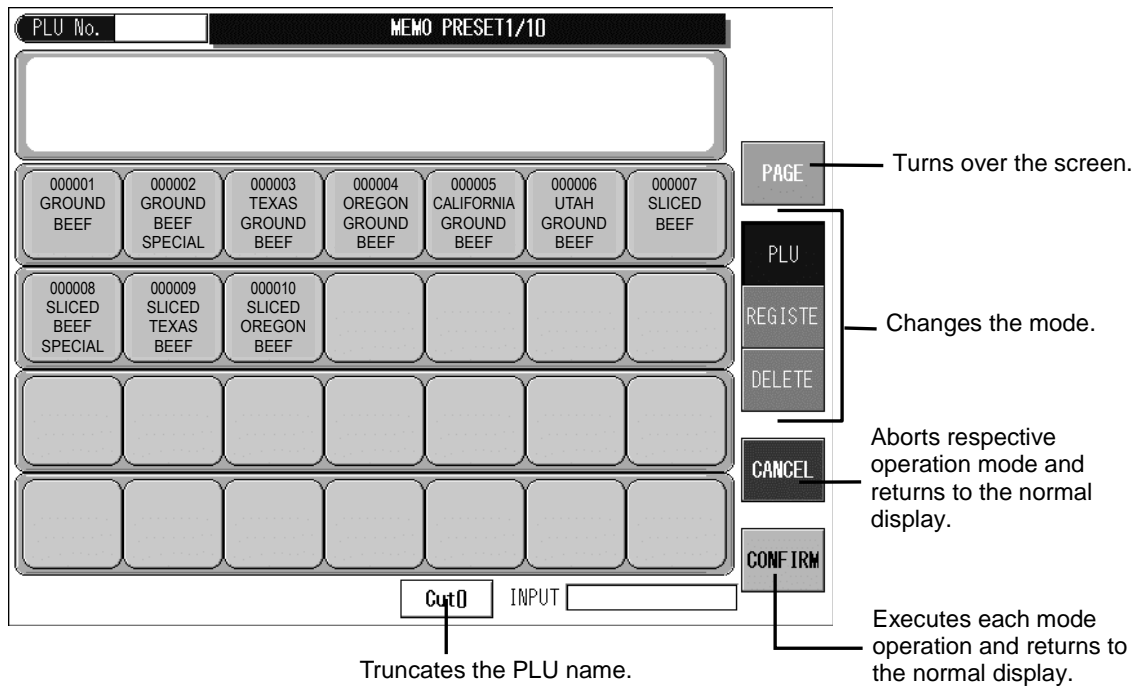


The PLU can also be called by pressing the [PLU] stroke key after numeric entry.



3.4 PLU DATA CALL WITH MEMO PRESET BUTTON

Operation will become more efficient by registering the frequently called PLUs in the memo preset button.



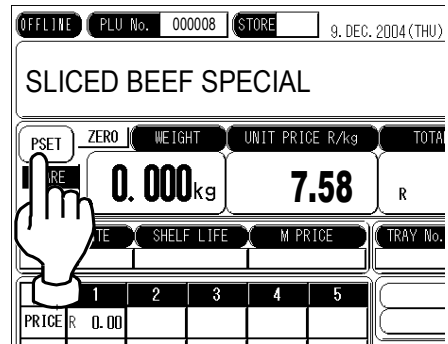
3.4.1 REGISTERING MEMO PRESET BUTTONS

EXAMPLE

Register the PLU No.8 “SLICED BEEF SPECIAL” on the screen in the memo preset button.

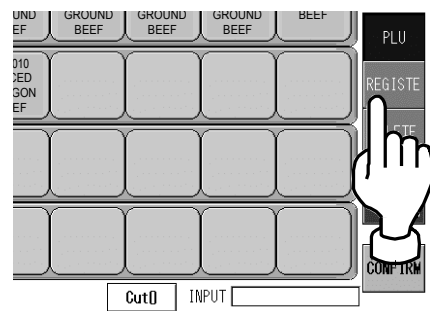
1. Confirm that the screen is displayed where the desired PLU is called.

Press the [PRESET] button on the screen.



2. The Memo Preset screen is displayed.

Press the [REGISTER] button on the screen.



CAUTION

The data will be overwritten when the registered memo preset button is pressed.



Registration can also be performed by pressing the memo preset button after entering the PLU number.

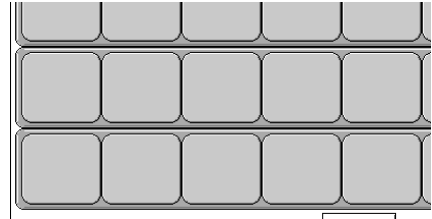


3. The display changes to the Memo Preset Registration mode.

Press the memo preset button at the desired position.



The memo preset button is registered and the display returns to the normal screen.

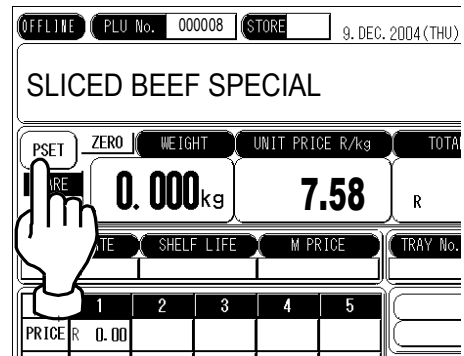


3.4.2 PLU CALL USING THE MEMO PRESET BUTTON

EXAMPLE

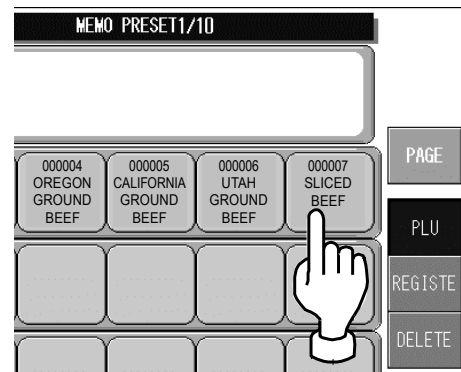
Call the "SLICED BEEF" using the memo preset button.

1. Press the [PSET] field.



2. The Memory Preset 1/10 screen is displayed.

Press the memo preset button for which the "SLICED BEEF" is registered.



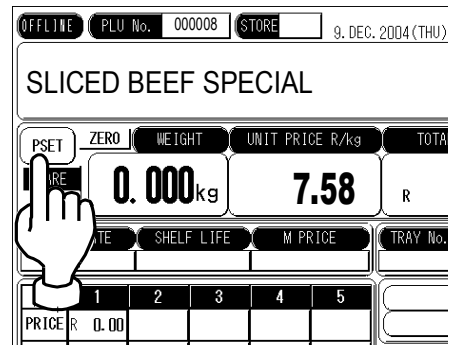
The "SLICED BEEF" is called and the display returns to the normal screen.

3.4.3 DELETING DATA REGISTERED FOR THE MEMO PRESET BUTTON

EXAMPLE

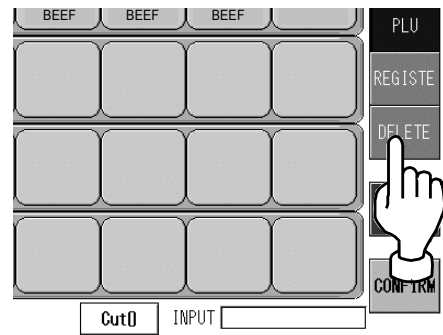
Delete the information for the “SLICED BEEF” registered for the memo preset button.

1. Press the [PSET] field.



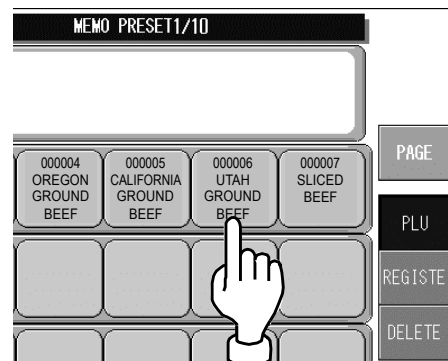
2. The Memory Preset 1/10 screen is displayed.

Press the [DELETE] field.



3. The display changes to the Memory Preset Delete mode.

Press the memo preset button displaying the “UTAH GROUND BEEF”.

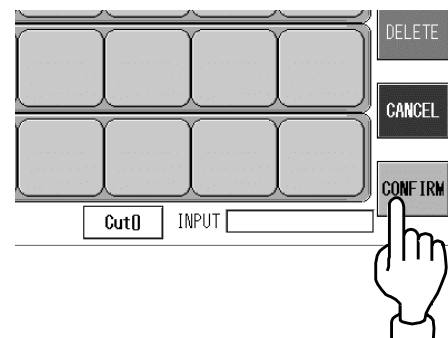


The memo preset button display was deleted and becomes blank.

4. Press the [CONFIRM] button.



The deletion was confirmed and the display returns to the normal screen.



More than two keys can be deleted at the same time.

3.5 PLU DATA CHANGE/ADDITION

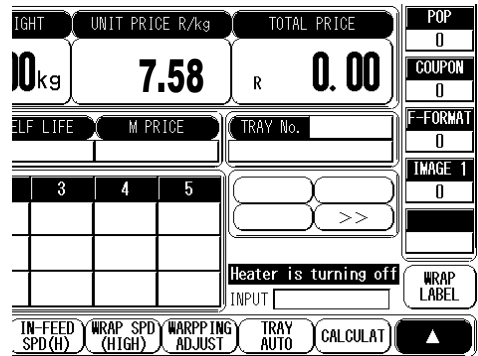
Follow the procedures explained below to change a part of the registered PLU data during operation. This section explains how to handle the change and addition in relation to the price (fixed price) and tray.

3.5.1 CHANGING THE UNIT PRICE PER 100G

EXAMPLE

Change the unit price per 100g from \$7.58 to \$6.50.

1. On the screen where the PLU is called, enter the price \$6.50 using the numeric keys.

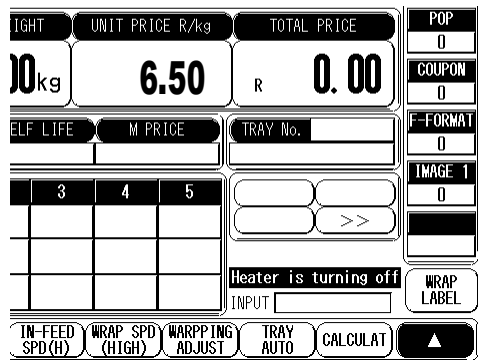


2. "650" is displayed in the INPUT display field at the bottom right of the screen.

Press the [U/P] stroke key.



The unit price has been changed from \$7.58 to \$6.50.



Unit price can also be changed by pressing the [U/P] button.



Press the [FIX] stroke key for the fixed-price PLU.

- When changing a Unit Price PLU to a Fixed Price PLU, press the [FIX] stroke key after numeric entry (fixed price). (You do not need to re-enter a numeric value when the unit price is same as the fixed price).
- When changing a fixed price PLU to a unit price PLU, press the [U/P] stroke key after numeric entry (unit price). (You do not need to re-enter a numeric value when the fixed price is same as the unit price).

3.5.2 ENTERING TRAY NO. IN THE PRICE LIST TRAY FIELD

Each tray has its registration number and information such as tray name, size and weight are controlled by those numbers. Up to 5 tray numbers can be registered in the price list.

Enter all tray information to be used in order to recognize trays automatically using the price list data.

EXAMPLE

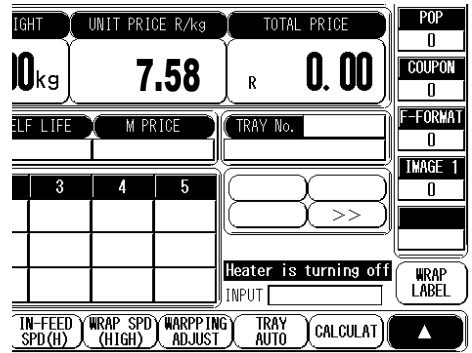
Enter the "Tray number 13" on the price list 3.



REFERENCE

Refer to section 4.8
"Tray Message
Registration".

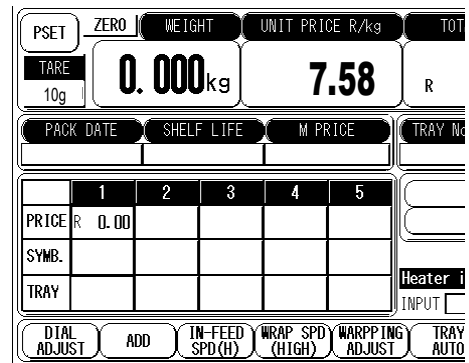
1. Enter the tray number "13" on the screen where the PLU is called.



CAUTION

A price in the "Price 1" (far left on the price list) will be referred to when you do not enter the unit price or fixed price after entering the tray number.

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



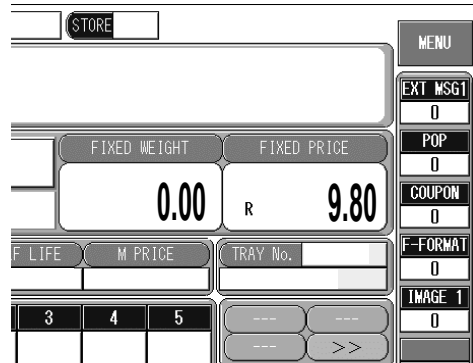
3.5.3 ENTERING PRICE IN THE PRICE LIST FIELD

Two pricing operation is possible by entering a unit price and a fixed price in the price list.

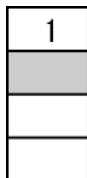
EXAMPLE

Enter the fixed price \$9.80 in price list 1.

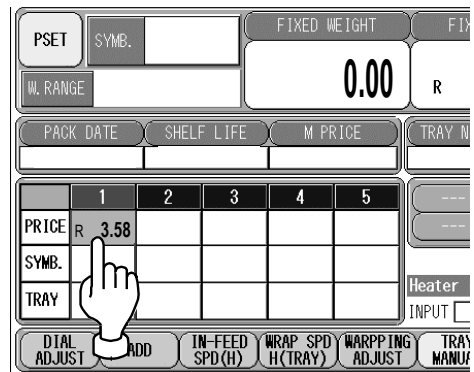
1. Enter \$9.80 on the screen where the PLU is called.



2. Press the PRICE field at the bottom of the price list 1.



“g \$9.80” is displayed.



3. Press the [FIX] stroke key to change the display to the “Fixed Price”.



“g” display disappears and it changes to “Fixed Price”.



When a numeric value entry takes place, it is registered with the weighing mode (unit price or fixed price).

3.5.5 CHANGING FIXED PRICE REFERENCE NUMBER

EXAMPLE

Change the pack quantity for "GROUND BEEF SPECIAL".

1. Press the [SYMBOL] button on the screen where the PLU is called.



2. The [Fixed Price Symbol Setting] screen is displayed.

Enter the pack quantity and press the [SYMBOL] button.

EXAMPLE

1/2 Pc.



The pack quantity and the symbol are entered and the display returns to the normal screen.

3.5.6 REDUCING PRICE

The special selling price can be registered in addition to the unit and fixed price in the PLU data.

OFFLINE PLU No. 000008 STORE 9. DEC. 2004 (THU) 10 : 26

SLICED BEEF SPECIAL

PSET ZERO WEIGHT UNIT PRICE R/kg TOTAL PRICE

TARE 10g 0.000kg 7.58 R 0.00

PACK DATE SHELF LIFE M PRICE TRAY No.

	1	2	3	4	5
PRICE R	0.00				
SYMB.					
TRAY					

Heater is turning off INPUT

DIAL ADJUST ADD IN-FEED SPD(H) WRAP SPD (HIGH) WARPING ADJUST TRAY AUTO CALCULAT

MENU
EXT MSG1 0
POP 0
COUPON 0
F-FORMAT 0
IMAGE 1 0
WRAP LABEL

The M Price Mode Setting screen is displayed when pressed. The M price can be set when pressed after numeric entry.



M PRICE MODE SETTING

PLU No. 000008

SLICED BEEF SPECIAL

*Input numeric value & press discount method under M PRICE MODE. The value will be valid and return.
*Press [CANCEL] key to return.

M PRICE

M PRICE MODE

NO	SPECIAL	- R	- %	SPL U/P	- U/P	- % U/P
----	---------	-----	-----	---------	-------	---------

INPUT

CANCEL

M price display field

Cancels the M price selection.

Press one of the buttons after numeric entry.

■ DISCOUNT METHOD

CAUTION

If the price is greater than the regular price as a result of weighing, an error message appears when printing the label.

M PRICE	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered selling price when the [M PRICE] field is pressed after numeric entry.
SPECIAL	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered special price when the [SPECIAL] field is pressed after numeric entry.
- R (Amount)	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered discount amount when the [- R] field is pressed after numeric entry.
- % (Rate)	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered discount rate when the [- %] field is pressed after numeric entry.
SPECIAL UNIT PRICE	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered special unit price when the [SPL U/P] field is pressed after numeric entry. (This procedure cannot be applied to fixed price PLUs)
- U/P	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered discount unit price when the [- U/P] field is pressed after numeric entry. (This procedure cannot be applied to fixed price PLUs)
- %U/P	<ol style="list-style-type: none"> 1. Press the M PRICE field to display the M Price Mode Setting screen. 2. The display automatically returns to the normal screen and shows the registered discount rate unit price when the [- %U/P] field is pressed after numeric entry. (This procedure cannot be applied to fixed price PLUs)

3.6 CHANGING DATE AND TIME FOR LABELS

■ PACK DATE SETTING SCREEN

When the [PACK DATE] or [SB DATE] field is pressed on the normal screen, the Pack Date Setting screen is displayed.



When changing Pack Date and/or Sell-By Date, press [PACK DATE] and/or [SB DATE] after numeric entry.

⚠ CAUTION

Both Pack Date and Sell-By Date need to be registered in advance when printing is required. Contact your ISHIDA service representative for more details.

The Pack Date Setting screen is displayed when pressed.
 The Pack Date and Sell-By Date can be set when pressed after numeric entry.



(1) Pack Date

Enter the Pack Date (MMDD) to be changed.

►

Press one of the following buttons.

Print the Pack Date.

Do not print the Pack Date.

(2) Pack Time

Enter the Pack Time (HHMM) when you want to print a certain Pack Time.

►

Press one of the following buttons.

Print the Pack Time.

Do not print the Pack Time.

(3) Pack Time Select

Press one of the following buttons.

Select when you print the current time.

Select when you print a certain time.

(4) Sell-By Date

Enter the Sell-By Date (MMDD) to be changed.

►

Press one of the following buttons.

Do not print the Sell-By Date.

Print the Sell-By Date.

(5) Sell-By Time

Enter the Sell-By Time (1 - 9999 hours)

►

Note: It is counted from the Pack Time.


Press one of the following buttons.

Do not print the Sell-By Time.

Print the Sell-By Time.

(6) Shelf Life


Enter the number of days for Shelf Life.



Note: The Shelf Life Date is counted from the Pack Date.

(7) Use By

Enter the number of days for Use-By.



Note: The Use-By Date is counted from the Pack Date.

Press one of the following buttons.

Print the Pack Date.

Do not print the Pack Date.

3.7 CHECKING PRINT ITEMS FOR LABELING

Check whether print items necessary for labeling are correctly set by using the PLU Information screen.

1. Press the [PLU Name] display field on the screen where the PLU is called.

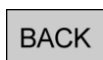
2. The PLU Information screen is displayed.

Check whether there are any missing items or mistakes for the called PLU and make the necessary additions and corrections if any.

Item fields below the comment field can be registered by pressing the field after numeric entry.

When the field is pressed without numeric entry, displays the list for each item.

3. Press the [BACK] when additions and corrections are completed.



The display returns to the initial screen.



The display returns to the initial screen when the commodity is placed on the weigh platter, then operation will start.

3.8 CONVENIENT USE OF FUNCTION KEYS

This machine has a lot of convenient functions. Some key functions that will be explained in this section are not set at the time of shipment from the factory. Also, the position of function keys might have been changed according to the usage. (Consult your ISHIDA service representative for the unset keys).

This section explains convenient key functions. Execute the procedure for each called PLU.

The diagram illustrates the process of accessing sub-function keys from the main menu. It shows two screens: the main menu and the function key screen.

Main Menu Screen:

- Top status bar: OFFLINE, PLU No. 000008, STORE, 9. DEC. 2004 (THU), 10 : 26
- Item name: SLICED BEEF SPECIAL
- Fields: PSET ZERO, WEIGHT 0.000kg, UNIT PRICE R/kg 7.58, TOTAL PRICE R 0.00
- Buttons: TARE 10g, PACK DATE, SHELF LIFE, M PRICE, TRAY No., F-FORMAT, IMAGE 1, WRAP LABEL
- Bottom row of keys: DIAL ADJUST, ADD, IN-FEED SPD(H), WRAP SPD (HIGH), WARPING ADJUST, TRAY AUTO, CALCULAT, and an UP arrow key.

Transition: A large downward arrow indicates the transition from the main menu to the function key screen.

Function Key Screen:

- Title: FUNCTION KEY
- Item name: SLICED BEEF SPECIAL
- Instruction: *Press [RETURN] key to return.
- Grid of sub-function keys:












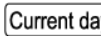

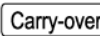
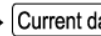

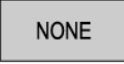


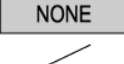
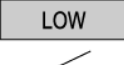


SUBTOTAL	TODAY	LABEL POSITION	LABELING (HOR.)	FILM SET (RIGHT)	LABEL CHANGE
TOTAL	ORDER	NON VOLUME	LIFT UP	FILMFEED (RIGHT)	FEED (No. 2)
AUTO	B-LABEL (NON)	MANUAL LABELING	PREPARE CLEAN	FILM REMOVE	RETURN
- Bottom: INPUT

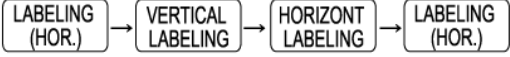

Annotations:

- "Main function keys" points to the bottom row of keys on the main menu screen.
- "Numeric function keys" points to the numeric keypad on the right side of the main menu screen.
- "Displays the pop-up screen." points to the UP arrow key on the main menu screen.
- "Sub function keys" points to the grid of keys on the function key screen.

■ FUNCTION KEYS


Function key	Operation and how to use the function keys
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">DIAL ADJUST</div>	<ul style="list-style-type: none"> - The "Heater temperature/Film tension adjustment" screen is displayed when pressed. - Use for the exhaust heater temperature adjustment or temporarily adjusting the film tension.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">ADD</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">NON PRT</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">NON ADD</div>	<ul style="list-style-type: none"> - Possible to change ADD → NON PRT → NON ADD → ADD when pressed. ADD : Issue labels and add the production data to calculation. NON PRT : Add the production data to calculation without issuing labels. NON ADD : Issue labels but the production data is not added to calculation.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">IN-FEED SPD (H)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">IN-FEED SPD (MED)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">IN-FEED SPD (LOW)</div>	<ul style="list-style-type: none"> - Possible to change, IN-FEED SPD (H) → IN-FEED SPD (MED) → IN-FEED SPD (LOW) → IN-FEED SPD (H) when pressed, and adjust the movement speed of the conveyor feeding bar by changing the mode. - Use it for the commodities that tend to fall or are fragile.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">WRAP SPD (H)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">WRAP SPD (MED)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">WRAP SPD (LOW)</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">WRAP SPD (H)</div>	<ul style="list-style-type: none"> - Possible to change, WRAP SPD (H) → WRAP SPD (MED) → WRAP SPD (LOW) → WRAP SPD (H) when pressed, and adjust the movement speed of the conveyor feeding bar by changing the mode. - WRAP SPD (H) Use for fragile trays or commodities that need to be wrapped carefully. (When WRAP SPD (MED) is displayed, the display changes to WRAP SPD (LOW) → WRAP SPD (H)) - Use for fragile trays or commodities that need to be wrapped carefully.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">WRAPPING ADJUST</div>	<ul style="list-style-type: none"> - "Film Tension Rough Adjustment" screen is displayed when pressed. - Use it when the film tension needs to be adjusted.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">TRAY AUTO</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">TRAY MANUAL</div>	<ul style="list-style-type: none"> - It is possible to switch tray automatic → tray specified → tray automatic by pressing this button. tray automatic : Register the wrapping condition automatically by calling the tray No. from the tray master upon recognition of the tray size placed on the weigh platter. Call and set the wrapping condition automatically. tray specified : Register the wrapping condition according to the specified tray No.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">CALCULAT</div>	<ul style="list-style-type: none"> - "Calculator" screen is displayed when pressed.

Function key	Operation and how to use the function keys
	<ul style="list-style-type: none"> - Issue the label that has the number of packing, the total weight and amount produced since the last subtotal label was issued when pressed. - Print the PLU name called on the screen. (The subtotal data is cancelled when the subtotal label was issued.) <p>Note: Press the key after opening the front cover. (An error occurs when the front cover is closed.)</p>
	<ul style="list-style-type: none"> - "Production Total" screen is displayed when pressed. - The total amount label is issued by pressing "Print". (The number of display/print becomes "0" when the calculation mode is set to non-addition.) <p>Note: Press the key after opening the front cover when issuing labels. (An error occurs when the front cover is closed.)</p>
 	<ul style="list-style-type: none"> - Can be changed to  →  →  when pressed.  : Starts operation after measurements are stabilized.  : Start operation by pressing the "Print" key after stabilizing the measurements. <p>Note:  is only usable for measurement products and errors occur for fixed-price products.</p>
	<ul style="list-style-type: none"> - Can be changed to  →  →  →  when pressed.
	<ul style="list-style-type: none"> - "Set Indication No." is displayed when pressed. - Use when the number of each commodity is decided.
	<ul style="list-style-type: none"> - The "Bottom Label Selection" screen is displayed when pressed. - The selection result is displayed in the function key () field. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">NONE</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div> <div style="border: 1px solid black; padding: 2px;">NGRED ONLY</div> <div style="border: 1px solid black; padding: 2px;">NGRED + BARCOCE</div> </div> <p> : The bottom label types (to be applied to the bottom of the tray) can be expanded by the setting. Consult with Ishida service person.</p>
	<ul style="list-style-type: none"> - The "Label Position Rough Adjustment" screen is displayed when pressed. - Use when fine-tuning the label position from side to side or up and down.
   	<ul style="list-style-type: none"> - The "Set Filing Height" screen is displayed when pressed. - A set result is displayed in the function key.

Function key	Operation and how to use the function keys
<p>AUTO LABEL</p> <p>—</p> <p>MANUAL LABEL</p>	<p>- Can be changed to Auto Label → Manual Label → Auto Label when pressed.</p> <p>Auto Label : Apply labels automatically to the discharged commodity.</p> <p>Manual Label : Pick the labels in front of the front cover transferred by the labeling arm and paste them manually on the commodity.</p>
<p>LABELING (HOR.)</p> <p>—</p> <p>VERTICAL LABELING</p> <p>—</p> <p>HORIZONT LABELING</p>	<p>- Labeling direction can be changed by pressing the button until the desired button display appears.</p> <p style="text-align: center;">  </p> <p>- LABELING (HOR.) Indicates that the horizontal labeling is set as the standard labeling position in the tray master file.</p> <p>- VERTICAL LABELING Vertical Apply the label vertically regardless of the registration conditions in the tray master.</p> <p>- HORIZONT LABELING Horizontal Apply the label horizontally regardless of the registration conditions in the tray master.</p> <p>(When LABELING (HOR.) is displayed, the display changes to VERTICAL LABELING → HORIZONT LABELING)</p>
<p>LIFT UP</p>	<p>- The lift rises to the highest level when pressed.</p> <p>- This should be done before cleaning the floor.</p> <p> WARNING Never insert your hands into the wrapping machine while elevating.</p>
<p>CLEANING MODE</p>	<p>- "Cleaning mode" screen is displayed when pressed.</p> <p>- This should be done before cleaning the machine.</p>
<p>FILM SET (RIGHT)</p> <p>—</p> <p>FILM SET (LEFT)</p>	<p>- The film on the display is to be set when pressed.</p> <p>- The film on the right side is set regardless of the display when pressed after pressing the stroke key "1".</p> <p>- The film on the left side is set regardless of the display when pressed after pressing the stroke key "2". (When recalling the PLU, display "Right side" or "Left side" according to the set tray number.)</p>
<p>FILMFEED (RIGHT)</p> <p>—</p> <p>FILMFEED (LEFT)</p>	<p>- The film displayed is to be fed when pressed.</p> <p>- The film on the right side is fed regardless of the display when pressed after the stroke key "1" was pressed.</p> <p>- The film on the left side is fed regardless of the display when pressed after the stroke key "2" had been pressed. (When recalling the PLU, display "Right side" or "Left side" according to the set tray number.)</p>
<p>FILM REMOVE</p>	<p>- Starts to remove the film when pressed.</p>
<p>LABEL CHANGE</p>	<p>- The "Printer No. for Label Replacement" screen is displayed when pressed.</p> <p>- Specify the printer number that requires the label replacement.</p>



Function key	Operation and how to use the function keys
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">FEED (No.1)</div> <div style="text-align: center; margin: 2px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">FEED (No.2)</div>	<ul style="list-style-type: none"> - One label will be fed preliminarily from the displayed printer when pressed. ("Printer No. 1" only when no other printers are used.) - One label will be fed preliminarily from Printer No.1 (right side) regardless of the display when pressed after the stroke key "1" had been pressed. - One label will be fed preliminarily from Printer No.2 (left side) when pressed regardless of the display after the stroke key "2" had been pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">RETURN</div>	<ul style="list-style-type: none"> - Execute the reintegration of the packing arms and labeling when pressed. - Use when the commodity becomes jammed or the emergency stop button was pressed during the operation. <p>⚠ WARNING Never insert your hands into the wrapping machine during reintegration.</p>
<div style="border: 1px solid black; padding: 2px; width: fit-content;">DIRECT DELETE</div>	<ul style="list-style-type: none"> - Deletes results of the commodity fed into the packing machine (lift unit) or the commodity labeled (discharge) immediately before it was pressed. - Display "DELETE IMMEDIATELY" screen to limit the commodity when there are commodities on the lift and the discharge units, respectively.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">DEL PLU (S)</div>	<ul style="list-style-type: none"> - Deletes all commodity production results produced after the call based on the displayed commodity when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">B-PRINT (YES)</div> <div style="text-align: center; margin: 2px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">B-PRINT (NO)</div>	<ul style="list-style-type: none"> - Possible to switch B-PRINT (YES) → B-PRINT (NO) → B-PRINT (YES) when pressed. - Only good for the commodity that has the Bottom Label setting.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">F-PRINT (YES)</div> <div style="text-align: center; margin: 2px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">F-PRINT (NO)</div>	<ul style="list-style-type: none"> - Possible to switch F-PRINT (YES) → F-PRINT (NO) → F-PRINT (YES) when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">WITH BAR</div> <div style="text-align: center; margin: 2px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">NON BAR</div>	<ul style="list-style-type: none"> - Possible to switch WITH BAR → NON BAR → WITH BAR when pressed. - Use to prohibits bar code printing for the upper label.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">EyeCatch (YES)</div> <div style="text-align: center; margin: 2px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">EyeCatch (NO)</div>	<ul style="list-style-type: none"> - Possible to switch EyeCatch (YES) → EyeCatch (NO) → EyeCatch (YES) when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">WEIGHT CHECK</div>	<ul style="list-style-type: none"> - The "Set Bound Pair" screen is displayed when pressed.


Function key	Operation and how to use the function keys
<div style="border: 1px solid black; padding: 2px; width: fit-content;">DIRECT DELETE</div>	<ul style="list-style-type: none"> - Deletes results of the commodity fed into the packing machine (lift unit) or the commodity labeled (discharge) immediately before it was pressed. - Display "DELETE IMMEDIATELY" screen to limit the commodity when there are commodities on the lift and the discharge units, respectively.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">DEL PLU (S)</div>	<ul style="list-style-type: none"> - Deletes all commodity production results produced after the call based on the displayed commodity when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">B-PRINT (YES)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">B-PRINT (NO)</div>	<ul style="list-style-type: none"> - Possible to switch B-PRINT (YES) → B-PRINT (NO) → B-PRINT (YES) when pressed. - Only good for the commodity that has the Bottom Label setting.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">F-PRINT (YES)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">F-PRINT (NO)</div>	<ul style="list-style-type: none"> - Possible to switch F-PRINT (YES) → F-PRINT (NO) → F-PRINT (YES) when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">WITH BAR</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">NON BAR</div>	<ul style="list-style-type: none"> - Possible to switch WITH BAR → NON BAR → WITH BAR when pressed. - Use to prohibits bar code printing for the upper label.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">EyeCatch (YES)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">EyeCatch (NO)</div>	<ul style="list-style-type: none"> - Possible to switch EyeCatch (YES) → EyeCatch (NO) → EyeCatch (YES) when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">WEIGHT CHECK</div>	<ul style="list-style-type: none"> - The "Set Bound Pair" screen is displayed when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">Total Modify</div>	<ul style="list-style-type: none"> - The "Subtraction/Addition" menu screen is displayed when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">LIFT FEED</div>	<ul style="list-style-type: none"> - The lift moves upward slightly when pressed. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> CAUTION Never insert your hands into the wrapper while the lift is moving. </div>
<div style="border: 1px solid black; padding: 2px; width: fit-content;">Fixed U.Pri</div>	<ul style="list-style-type: none"> - Press to register the fixed price. <p style="text-align: center; margin-top: 10px;">Note: Usage is the same as the "Unit Price" and "Fixed Price" keys. Consult with Ishida service person for procedures.</p>

Function key	Operation and how to use the function keys
<div style="border: 1px solid black; padding: 2px; width: fit-content;">Total Modify</div>	- The "Subtraction/Addition" menu screen is displayed when pressed.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">LIFT FEED</div>	- The lift moves upward slightly when pressed. <div style="border: 1px solid black; padding: 2px; display: inline-block;"> CAUTION</div> Never insert your hands into the wrapper while the lift is moving.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">Fixed U.Pri</div>	- Press to register the fixed price. Note: Usage is the same as the "Unit Price" and "Fixed Price" keys. Consult with Ishida service person for procedures.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">SUBLABEL (YES)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">SUBLABEL (NO)</div>	- Possible to switch <div style="border: 1px solid black; padding: 2px; display: inline-block;">SUBLABEL (YES)</div> → <div style="border: 1px solid black; padding: 2px; display: inline-block;">SUBLABEL (NO)</div> → <div style="border: 1px solid black; padding: 2px; display: inline-block;">SUBLABEL (YES)</div> when pressed. - Only usable for the commodity which has sub-label settings with linkage to the sub-labeler (PP-EMZ etc.)
<div style="border: 1px solid black; padding: 2px; width: fit-content;">One/ TwoColr</div>	- The "Monochrome /Two colors" screen is displayed when pressed. - This can be used only for the optional two-color print and used when changing to two color print setting from monochrome.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">F-LABEL (REFER)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">F-LABEL (FIXED)</div>	- Possible to switch <div style="border: 1px solid black; padding: 2px; display: inline-block;">F-LABEL (REFER)</div> → <div style="border: 1px solid black; padding: 2px; display: inline-block;">F-LABEL (FIXED)</div> → <div style="border: 1px solid black; padding: 2px; display: inline-block;">F-LABEL (REFER)</div> when pressed. - Use to specify the printer for the regular printing.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">PackageWrap (Yes)</div> <div style="text-align: center; margin: 5px 0;">/</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;">PackageWrap (No)</div>	- Possible to switch <div style="border: 1px solid black; padding: 2px; display: inline-block;">PackageWrap (Yes)</div> → <div style="border: 1px solid black; padding: 2px; display: inline-block;">PackageWrap (No)</div> → <div style="border: 1px solid black; padding: 2px; display: inline-block;">PackageWrap (Yes)</div> when pressed. - Use to prohibit the printing of the container wrapping identification mark.
<div style="border: 1px solid black; padding: 2px; width: fit-content;">Bottom Label Position</div>	- This is not used for this system.

NUMERIC FUNCTION KEYS

Function keys	Operation and how to use the function keys											
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Register Code 10 </div>	<p>- The cash register code can be set when pressed after numeric entry.</p> <p>Stroke key 1 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">Register Code</td></tr><tr><td style="text-align: center; padding: 2px 5px;">0</td></tr></table> → <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">Register Code</td></tr><tr><td style="text-align: center; padding: 2px 5px;">10</td></tr></table></p> <p style="text-align: center; font-size: small;">Register Code No.</p> <p>- To delete the setting, press the button after entering "0".</p> <p>Stroke key 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">Register Code</td></tr><tr><td style="text-align: center; padding: 2px 5px;">10</td></tr></table> → <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">Register Code</td></tr><tr><td style="text-align: center; padding: 2px 5px;">0</td></tr></table></p>	Register Code	0	Register Code	10	Register Code	10	Register Code	0			
Register Code												
0												
Register Code												
10												
Register Code												
10												
Register Code												
0												
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> POP 10 </div>	<p>- POP can be set when pressed after a numeric entry.</p> <p>Stroke key 1 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">POP</td></tr><tr><td style="text-align: center; padding: 2px 5px;">0</td></tr></table> → <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">POP</td></tr><tr><td style="text-align: center; padding: 2px 5px;">10</td></tr></table></p> <p style="text-align: center; font-size: small;">POP No.</p> <p>- "POP list" screen is displayed when pressed.</p> <p>- POP can be set by pressing the displayed items or by entering numeric values.</p> <p><table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">010</td><td style="padding: 2px 5px;">Good Buy</td></tr></table> or Stroke key 1 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">PLU</td></tr></table></p> <p style="text-align: center; font-size: small;">POP No.</p> <p>- To delete the setting, press the button after entering "0".</p> <p>Stroke key 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">POP</td></tr><tr><td style="text-align: center; padding: 2px 5px;">10</td></tr></table> → <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">POP</td></tr><tr><td style="text-align: center; padding: 2px 5px;">0</td></tr></table></p> <p> : Refer to section 4.5 "Pop Message Registration".</p> <p style="font-size: x-small; margin-left: 20px;">REFERENCE</p>	POP	0	POP	10	010	Good Buy	PLU	POP	10	POP	0
POP												
0												
POP												
10												
010	Good Buy											
PLU												
POP												
10												
POP												
0												
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> EXTRA MSG 10 </div>	<p>- Comments can be set when pressed after a numeric entry.</p> <p>Stroke key 1 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">EXTRA MSG</td></tr><tr><td style="text-align: center; padding: 2px 5px;">0</td></tr></table> → <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">EXTRA MSG</td></tr><tr><td style="text-align: center; padding: 2px 5px;">10</td></tr></table></p> <p style="text-align: center; font-size: small;">EXTRA MESSAGE No.</p> <p>- "Comment list" screen is displayed when pressed.</p> <p>- Comments can be set by pressing the displayed item or entering numeric values.</p> <p><table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">010</td><td style="padding: 2px 5px;">Recommended for BBQ</td></tr></table></p> <p>or Stroke key 1 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">PLU</td></tr></table></p> <p style="text-align: center; font-size: small;">EXTRA MESSAGE No.</p> <p>- To delete the setting, press the button after entering "0".</p> <p>Stroke key 0 ► <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">EXTRA MSG</td></tr><tr><td style="text-align: center; padding: 2px 5px;">10</td></tr></table> → <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px 5px;">EXTRA MSG</td></tr><tr><td style="text-align: center; padding: 2px 5px;">0</td></tr></table></p> <p> : Refer to section 4.6 "Coupon Message Registration".</p> <p style="font-size: x-small; margin-left: 20px;">REFERENCE</p>	EXTRA MSG	0	EXTRA MSG	10	010	Recommended for BBQ	PLU	EXTRA MSG	10	EXTRA MSG	0
EXTRA MSG												
0												
EXTRA MSG												
10												
010	Recommended for BBQ											
PLU												
EXTRA MSG												
10												
EXTRA MSG												
0												

Function keys	Operation and how to use the function keys
<div data-bbox="197 273 325 365" style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">F-LabelFmt 10</div>	<p data-bbox="384 264 1145 293">- Label format can be changed when pressed after numeric entry.</p> <p data-bbox="453 315 1094 389">Stroke key 1 0 ► F-LabelFmt 0 → F-LabelFmt 10 <small>FORMAT No.</small></p> <p data-bbox="384 405 1050 434">- To delete the setting, press the button after entering "0".</p> <p data-bbox="453 450 1031 510">Stroke key 0 ► F-LabelFmt 10 → F-LabelFmt 0</p> <p data-bbox="421 546 1278 622">  : Contact your ISHIDA service representative for format setting. </p>
<div data-bbox="197 689 325 781" style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">EXT MSG 1 10</div> <div data-bbox="197 925 325 1016" style="border: 1px solid black; padding: 2px;">EXT MSG 2 20</div> <p data-bbox="165 1032 341 1144">* User when the sub labeler (PP-MZ, etc.) is used.</p>	<p data-bbox="384 689 1050 719">- The image can be set when pressed after numeric entry.</p> <p data-bbox="424 741 1090 815">Stroke key 1 0 ► EXT MSG 1 0 → EXT MSG 1 10 <small>EXT MSG No.</small></p> <p data-bbox="384 831 1417 913">- "Image selection" screen is displayed when pressed. (10, 24, 36 items are displayed in the "Image selection" screen and the previous screen is displayed.)</p> <p data-bbox="384 920 1129 949">: Consult with an Ishida sales person about "Image registration".</p> <div data-bbox="411 965 914 1055" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> 010 Direct delivery from producing area. </div> <p data-bbox="472 1084 810 1158">or 1 0 ► PLU <small>EXT MSG No.</small></p> <p data-bbox="384 1205 1050 1234">- To delete the setting, press the button after entering "0".</p> <p data-bbox="453 1272 1023 1332">Stroke key 0 ► EXT MSG 1 10 → EXT MSG 1 0</p> <p data-bbox="416 1375 1390 1435">* Display the name registered as a sales promotion image when "Name" is selected on the image selection screen.</p> <p data-bbox="416 1509 1326 1585">  : Contact your ISHIDA service representative for image registration. </p>

Function keys	Operation and how to use the function keys
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Save method 10 </div>	<p>- Save method can be set by pressing after entering numeric values.</p> <p style="text-align: center;">Stroke key 1 0 ► Save method 0 → Save method 10 <small>Save method No.</small></p> <p>- "Save method list" screen is displayed when pressed.</p> <p>- Save method can be set by pressing the displayed items or entering numeric values.</p> <p style="text-align: center;">010 Avoid direct sunlight. or, Stroke key 1 0 ► PLU <small>Save method No.</small></p> <p>- To delete the setting, press the button after entering "0".</p> <p style="text-align: center;">Stroke key 0 ► Save method 10 → Save method 0</p>
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> STORAGE TEMP 2 </div>	<p>- The storage temperature can be set when pressed after a numeric entry.</p> <p style="text-align: center;">Stroke key 2 ► STORAGE TEMP 0 → STORAGE TEMP 2 <small>Storage temperature No.</small></p> <p>- "Storage temperature list" screen is displayed when pressed.</p> <p>- Storage temperatures can be set by pressing the displayed items or by entering numeric values.</p> <p style="text-align: center;">02 4°C or less or, Stroke key 2 ► PLU <small>Storage temperature No.</small></p> <p>- To delete the setting, press the button after entering "0".</p> <p style="text-align: center;">Stroke key 0 ► STORAGE TEMP 2 → STORAGE TEMP 0</p>
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> B-LabelFrmt 10 </div>	<p>- The under label formatting can be changed when pressed after numeric entry.</p> <p style="text-align: center;">Stroke key 1 0 ► B-LabelFrmt 0 → B-LabelFrmt 10 <small>Format No.</small></p> <p>- To delete the setting, press the button after entering "0".</p> <p style="text-align: center;">Stroke key 0 ► B-LabelFrmt 10 → B-LabelFrmt 0</p> <p style="margin-top: 20px;">  : Consult with an Ishida service person for "Format setting". <small>REFERENCE</small> </p>

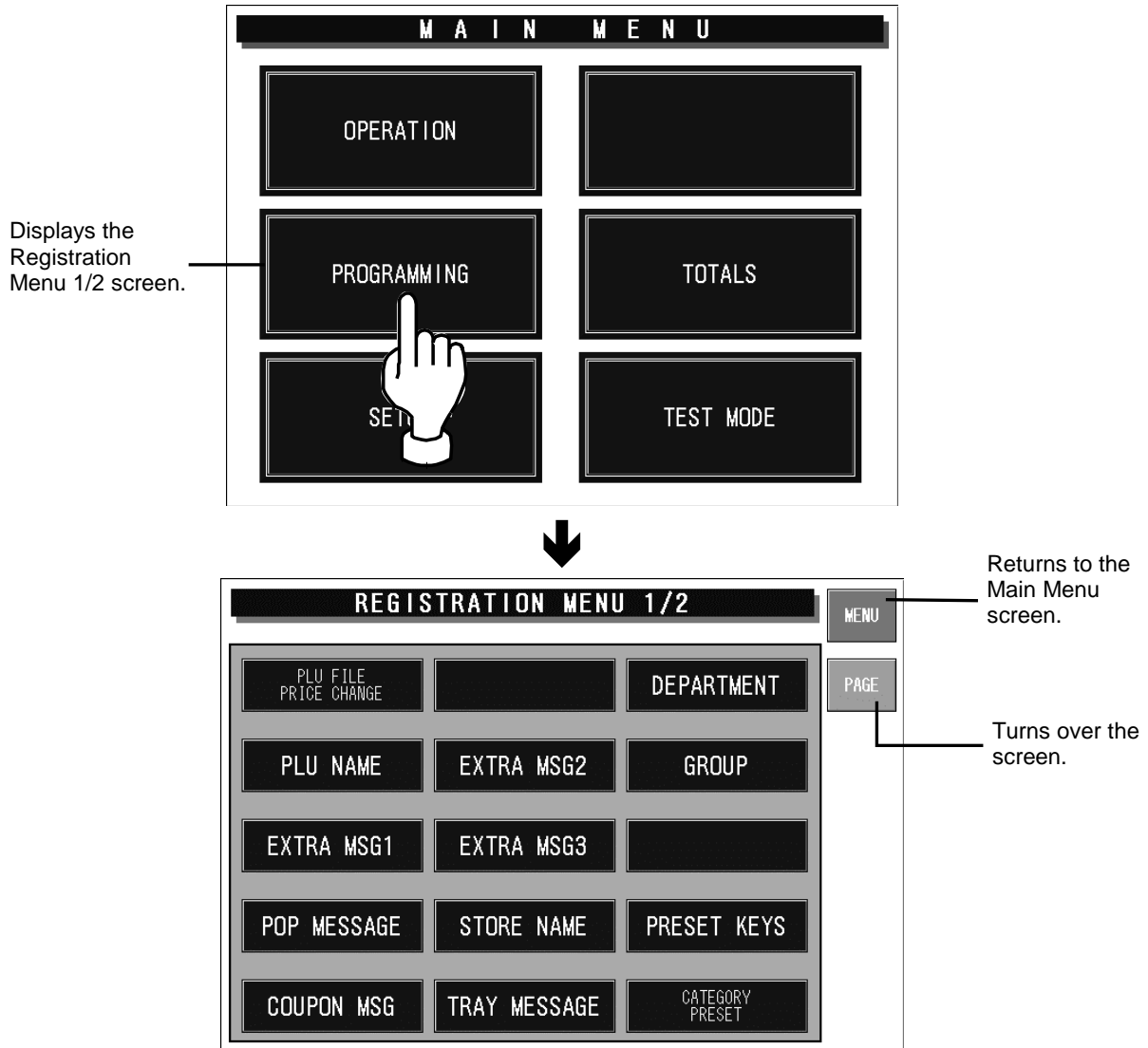
4

PROGRAMMING MODE

CONTENTS

4.1	REGISTRATION MENU	4-2
4.2	PLU FILE / PRICE CHANGE REGISTRATION	4-3
4.3	PLU NAME REGISTRATION	4-15
4.4	EXTRA MESSAGE 1/2/3 REGISTRATION	4-17
4.5	POP MESSAGE REGISTRATION.....	4-19
4.6	COUPON MESSAGE REGISTRATION	4-21
4.7	STORE NAME/ADDRESS REGISTRATION	4-23
4.8	TRAY MESSAGE REGISTRATION.....	4-26
4.9	DEPARTMENT NAME REGISTRATION	4-37
4.10	CATEGORY PRESET REGISTRATION.....	4-39
4.11	MEMO PRESET REGISTRATION	4-44
4.12	CHARACTER ENTRY METHOD.....	4-45

4.1 REGISTRATION MENU SCREEN



REGISTRATION ITEMS

Registration Items	Contents
PLU FILE/ PRICE CHANGE	The PLU name and its relative data (unit price, fixed price, tare weight, register code, POP number, etc.) can be registered.
PLU NAME	The PLU name can be registered.
EXTRA MESSAGE 1	The extra message 1 can be registered.
POP MESSAGE	The POP message can be registered.
COUPON MSG	The coupon message can be registered.
EXTRA MESSAGE 2	The extra message 2 can be registered.
EXTRA MESSAGE 3	The extra message 3 can be registered.
STORE NAME	The store name and address can be registered.
TRAY MESSAGE	The tray data such as name, size, and weight can be registered.
DEPARTMENT	The department name can be registered.
GROUP	The group name can be registered.
PRESET KEYS	The PLU data can be allocated to the memory preset key
CATEGORY PRESET	The PLU data indexed and linked to the category preset can be registered.

4.2 PLU FILE / PRICE CHANGE REGISTRATION

4.2.1 PLU FILE REGISTRATION SCREENS

PLU name and its relative data (unit price, fixed price, tare weight, register code, POP number, etc.) can be registered. Register the PLU data after selecting the PLU field listed on the PLU File Registration screen.

The screenshot shows the 'PLU FILE REGISTRATION' screen with a table of PLU data and a control panel on the right. The table contains the following data:

PLU No.	PLU NAME	PRICE
000001	GROUND BEEF	R 7.58
000002	GROUND BEEF SPECIAL	R 3.58
000003	TEXAS GROUND BEEF	R 3.98

Annotations on the right side of the screen:

- MENU**: Returns to the Registration Menu screen.
- Up Arrow**: Moves the cursor up and down.
- Down Arrow**: Moves the cursor up and down.
- DETAIL**: Displays the PLU Data Registration screen.
- DELETE**: Deletes the selected data.

At the bottom of the screen, there is a status bar with the following information:

- Curr./ALL ITEM: 1 / 3
- MEMORY: 89%
- INPUT: []

Below the screen, a line indicates: Turns over the screen.

1. Press [PLU FILE/PRICE CHANGE] on the Registration Menu screen.



The screenshot shows the 'REGISTRATION MENU' screen with several buttons:

- PLU FILE PRICE CHANGE (highlighted with a hand icon)
- PLU NAME
- EXTRA MSG2
- EXTRA MSG1
- EXTRA MSG3

2. The PLU File Registration screen is displayed.

Press the desired PLU field to make a selection.
Or, enter the desired PLU number (1 - 999999) using the numeric keys, and press the [PLU] stroke key.

3. Press the [DETAIL] button on the screen.

GROUND BEEF	R	3.98

MEMORY 89% INPUT

DETAIL

DELETE

4. The PLU Data Registration screen is displayed.

PLU DATA REGISTRATION1 / 3

000001 GROUND BEEF EDIT

SALES MODE	0:WEIGHT	TARE (0-5.998)	0.000	BARCODE TYPE	0:REFER
PRICE	7.58				
MARKDOWN FLAG	2:-\$	PACK DATE PRINT	0:REFER	POS FLAG	02
MARKDOWN AMOUNT	1.23	SB DATE PRINT	0:REFER	BARCODE	00000000
FIXED WEIGHT	0.000	SHELF LIFE (days)	1	OPEN PRICE	0:REFER
PACK QUANTITY	0	USE BY PRINT	0:REFER	FORCED TARE	0:REFER
		USE BY (days)	0		

U.PR. No 1 INPUT

DELETE

4.2.2 PLU DATA REGISTRATION 1/3 SCREEN

Displays the called PLU name. Also, changes to the next registered PLU name when directly pressed.

The text edit screen is displayed.

Saves the PLU data and returns to the previous screen.

Turns over the screen.


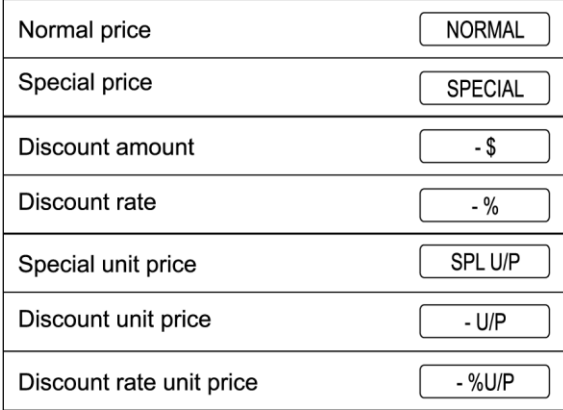
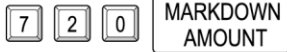

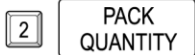
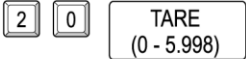
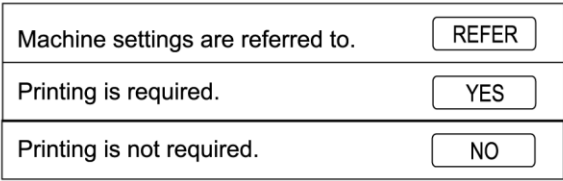
Deletes the called PLU data.

Displays the unit price number

■ REGISTRATION METHOD

The table below is the summarized registration examples. Select necessary items and make necessary registrations.

Item	Example	Operational
PLU name	Register the PLU name.	<ol style="list-style-type: none"> 1. Press [EDIT] on the screen to display the PLU name registration screen. 2. Enter the PLU name on the text edit screen. 3. Press [RETURN] to return to the PLU name registration screen.
Sales Mode	Register the sales mode.	<ol style="list-style-type: none"> 1. Press [Sales Mode] to display the pop up screen. 2. Select the sales mode. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>For weighing commodities WEIGH</p> <hr/> <p>For fixed price commodities NON-WEIGH</p> </div>

Item	Example	Operational
Price	Register the price at "\$5.00". Not necessary when "NON-WEIGH" is registered in the sales mode.	The price can have five digits (0 - 99999). 
Markdown Flag	Register the markdown type.	1. Press this button to display the pop-up screen. 2. Select the markdown flag. 
Markdown Amount	Register the markdown price "\$7.20" for the PLU of which regular price is \$8.00.	Enter the numeric value and press [MARKDOWN AMOUNT] on the screen. 
Fixed Weight	Register the fixed weight "160g".	The fixed weight can have four digits (0 - 9999). 
Pack Quantity	Register the pack quantity "2 pcs." for the PLU.	1. Press [Pack Quantity] to display the pop-up screen. 2. Press the pack quantity and counting unit. 
Tare	Register the tare weight "20g" as subtraction.	The tare weight can have three digits (0 - 999). 
Pack Date Print	Register the pack date printing method.	1. Press this button to display the pop-up screen. 2. Select the pack date printing method. 

Item	Example	Operational											
Sell-By Date Print	Register the sell-by date printing method.	1. Press this button to display the pop-up screen. 2. Select the sell-by date printing method. <table border="1" data-bbox="836 309 1401 483"> <tr> <td>Machine settings are referred to.</td> <td>REFER</td> </tr> <tr> <td>Printing is required.</td> <td>YES</td> </tr> <tr> <td>Printing is not required.</td> <td>NO</td> </tr> </table>	Machine settings are referred to.	REFER	Printing is required.	YES	Printing is not required.	NO					
Machine settings are referred to.	REFER												
Printing is required.	YES												
Printing is not required.	NO												
Shelf Life	Register the shelf life to be "5 days" after pack date.	The number of days for shelf life date can have four digits (0 - 9999). <table border="1" data-bbox="823 573 1011 631"> <tr> <td>5</td> <td>SHELF LIFE (days)</td> </tr> </table>	5	SHELF LIFE (days)									
5	SHELF LIFE (days)												
Use By Print	Register the use-by date printing method.	1. Press this button to display the pop-up screen. 2. Select the use-by date printing method. <table border="1" data-bbox="836 745 1401 920"> <tr> <td>Machine settings are referred to.</td> <td>REFER</td> </tr> <tr> <td>Printing is required.</td> <td>YES</td> </tr> <tr> <td>Printing is not required.</td> <td>NO</td> </tr> </table>	Machine settings are referred to.	REFER	Printing is required.	YES	Printing is not required.	NO					
Machine settings are referred to.	REFER												
Printing is required.	YES												
Printing is not required.	NO												
Use By	Register the use-by date to be "10 days" after pack date.	The number of days for use-by date can have four digits (0 - 9999) <table border="1" data-bbox="823 1021 1062 1079"> <tr> <td>1</td> <td>0</td> <td>USE BY (days)</td> </tr> </table>	1	0	USE BY (days)								
1	0	USE BY (days)											
Barcode Type	Register the barcode type.	1. Press this button to display the pop-up screen. 2. Select the barcode type. <table border="1" data-bbox="836 1205 1401 1496"> <tr> <td>When enabling the machine settings</td> <td>REFER</td> </tr> <tr> <td>When setting to Non PLU 13</td> <td>NON-PLU13</td> </tr> <tr> <td>When setting to Non PLU 8</td> <td>NON-PLU8</td> </tr> <tr> <td>When setting to PLU 13</td> <td>PLU13</td> </tr> <tr> <td>When setting to PLU 8</td> <td>PLU8</td> </tr> </table>	When enabling the machine settings	REFER	When setting to Non PLU 13	NON-PLU13	When setting to Non PLU 8	NON-PLU8	When setting to PLU 13	PLU13	When setting to PLU 8	PLU8	
When enabling the machine settings	REFER												
When setting to Non PLU 13	NON-PLU13												
When setting to Non PLU 8	NON-PLU8												
When setting to PLU 13	PLU13												
When setting to PLU 8	PLU8												
POS Flag	Register the POS flag as "49". * This is not required when the flag reference is registered to "System".	POS flag can have two digits (0 - 99). <table border="1" data-bbox="823 1574 1062 1632"> <tr> <td>4</td> <td>9</td> <td>POS FLAG</td> </tr> </table>	4	9	POS FLAG								
4	9	POS FLAG											
Barcode	Register the barcode as "1234567890".	Barcode can have ten digits (0 - 9999999999). <table border="1" data-bbox="823 1702 1417 1760"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>0</td> <td>BARCODE</td> </tr> </table>	1	2	3	4	5	6	7	8	9	0	BARCODE
1	2	3	4	5	6	7	8	9	0	BARCODE			

Item	Example	Operational						
Open Price	Register the open price selection.	<p>1. Press this button to display the pop-up screen. 2. Select whether to use the open price function or not.</p> <table border="1" data-bbox="826 297 1390 472"> <tr> <td data-bbox="831 304 1251 353">Machine settings are referred to.</td> <td data-bbox="1256 304 1385 353">REFER</td> </tr> <tr> <td data-bbox="831 360 1251 409">Price change is prohibited.</td> <td data-bbox="1256 360 1385 409">PROHIBIT</td> </tr> <tr> <td data-bbox="831 416 1251 465">Price change is allowed.</td> <td data-bbox="1256 416 1385 465">ALLOW</td> </tr> </table>	Machine settings are referred to.	REFER	Price change is prohibited.	PROHIBIT	Price change is allowed.	ALLOW
Machine settings are referred to.	REFER							
Price change is prohibited.	PROHIBIT							
Price change is allowed.	ALLOW							
Forced Tare	Register the forced tare selection.	<p>1. Press this button to display the pop-up screen. 2. Select whether to use the forced tare function or not.</p> <table border="1" data-bbox="826 602 1390 777"> <tr> <td data-bbox="831 609 1251 658">Machine settings are referred to.</td> <td data-bbox="1256 609 1385 658">REFER</td> </tr> <tr> <td data-bbox="831 665 1251 714">Forced tare function is used.</td> <td data-bbox="1256 665 1385 714">YES</td> </tr> <tr> <td data-bbox="831 721 1251 770">Forced tare function is not used.</td> <td data-bbox="1256 721 1385 770">NO</td> </tr> </table>	Machine settings are referred to.	REFER	Forced tare function is used.	YES	Forced tare function is not used.	NO
Machine settings are referred to.	REFER							
Forced tare function is used.	YES							
Forced tare function is not used.	NO							

4.2.3 PLU DATA REGISTRATION 2/ 3 SCREEN

Saves the PLU data and returns to the previous screen.

Turns over the screen.


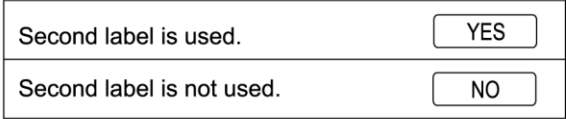
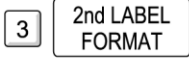
PLU DATA REGISTRATION2 / 3					
00001	GROUND BEEF				EDIT
EXTRA MESSAGE 1	0	FREE 1 No.	0	COUPON MESSAGE	0
EXTRA MESSAGE 2	0	FREE 2 No.	0	LOGO #1 (0~999)	0
EXTRA MESSAGE 3	0	FREE 3 No.	0	LOGO #2 (0~999)	0
PACK TIME PRINT	0:REFER	FREE 4 No.	0	LOGO #3 (0~999)	0
PACK TIME DATA	--:--	FREE 5 No.	0	LABEL FORMAT	0
SB TIME PRINT	0:REFER			SECOND LABEL	1:YES
SB TIME DATA	--:--	POP MESSAGE	0	2nd LABEL FORMAT	0
U. PR. No	1			INPUT	

■ REGISTRATION METHOD

The table below is the summarized registration examples. Select necessary items and make necessary registrations.

Item	Example	Operation
Extra Message (1 - 3)	Register the extra message 1 number "5".	The extra number can have four digit (0 - 9999).
Pack Time Print	Register the pack time print function. * Effective when the pack time is registered in the label format.	1. Press this button to display the pop-up screen. 2. Select the pack time printing method.
Pack Time Data	Register the pack time data. * Effective when the pack time data is registered as "DESIGNATE".	Enter a numeric value (0:00 - 23:59) and press [PACK TIME DATA] on the screen. Example: Specify the pack time at 6:30AM.

Item	Example	Operation						
Sell-By Time Print	Register the sell-by time print function. * Effective when the sell-by time is registered in the label format.	1. Press this button to display the pop-up screen. 2. Select the sell-by time printing method. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Machine settings are referred to.</td> <td style="text-align: right; padding: 2px;"><input type="button" value="REFER"/></td> </tr> <tr> <td style="padding: 2px;">Printing is prohibited.</td> <td style="text-align: right; padding: 2px;"><input type="button" value="PROHIBIT"/></td> </tr> <tr> <td style="padding: 2px;">Sell-by time is printed.</td> <td style="text-align: right; padding: 2px;"><input type="button" value="RELATIVE"/></td> </tr> </table> </div>	Machine settings are referred to.	<input type="button" value="REFER"/>	Printing is prohibited.	<input type="button" value="PROHIBIT"/>	Sell-by time is printed.	<input type="button" value="RELATIVE"/>
Machine settings are referred to.	<input type="button" value="REFER"/>							
Printing is prohibited.	<input type="button" value="PROHIBIT"/>							
Sell-by time is printed.	<input type="button" value="RELATIVE"/>							
Sell-By Time Data	Register the sell-by time data. * Effective when the sell-by time data is registered as "RELATIVE".	Enter the number of hours (0 - 9999) and press [SELL-BY TIME DATA] on the screen. Example: Specify the sell-by time as "48 hours" after pack date. <div style="margin-top: 10px;"> <table style="border: 1px solid black; padding: 5px;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">4</td> <td style="border: 1px solid black; padding: 2px 5px;">8</td> <td style="padding: 2px 5px;">SB TIME DATA</td> </tr> </table> </div>	4	8	SB TIME DATA			
4	8	SB TIME DATA						
Free Message (1 - 5)	Register the free message number.	Enter a numeric value (0 - 999999) and press [FREE 1 No.] on the screen. Example: Specify the message number "3" in the free message 1 master file. <div style="margin-top: 10px;"> <table style="border: 1px solid black; padding: 5px;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">3</td> <td style="padding: 2px 5px;">FREE 1 No.</td> </tr> </table> </div>	3	FREE 1 No.				
3	FREE 1 No.							
POP Message	Register the POP message number.	Enter a numeric value (0 - 999) and press [POP MESSAGE] on the screen. Example: Specify the message number "2" in the POP message master file. <div style="margin-top: 10px;"> <table style="border: 1px solid black; padding: 5px;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">2</td> <td style="padding: 2px 5px;">POP MESSAGE</td> </tr> </table> </div>	2	POP MESSAGE				
2	POP MESSAGE							
Coupon Message	Register the coupon message number.	Enter a numeric value (0 - 99) and press [COUPON MESSAGE] on the screen. Example: Specify the message number "4" in the coupon message master file. <div style="margin-top: 10px;"> <table style="border: 1px solid black; padding: 5px;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">4</td> <td style="padding: 2px 5px;">COUPON MESSAGE</td> </tr> </table> </div>	4	COUPON MESSAGE				
4	COUPON MESSAGE							
Logo (#1 - #3)	Register the logo message number.	Enter a numeric value (0 - 999) and press [LOGO] on the screen. Example: Specify the message number "1" in the logo message #1 master file. <div style="margin-top: 10px;"> <table style="border: 1px solid black; padding: 5px;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">LOGO #1 (0 - 999)</td> </tr> </table> </div>	1	LOGO #1 (0 - 999)				
1	LOGO #1 (0 - 999)							

Item	Example	Operation
Label Format	Register the label format number.	<p>Enter a numeric value (0 - 99) and press [LABEL FORMAT] on the screen.</p> <p>Example: Specify the label format number "1".</p> 
Second Label	Register the second label print availability.	<p>1. Press this button to display the pop-up screen. 2. Select whether or not to use the second label printing.</p> 
Second Label Format	Register the label format number.	<p>Enter a numeric value (0 - 99) and press [LABEL FORMAT] on the screen.</p> <p>Example: Specify the format number "3".</p> 




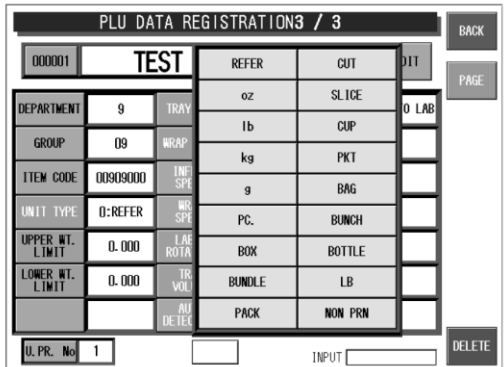
4.2.4 PLU DATA REGISTRATION 3/3 SCREEN



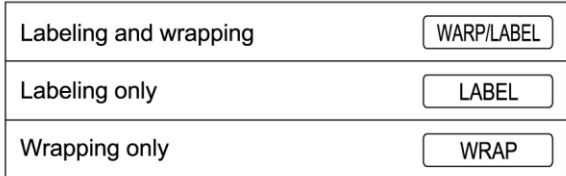
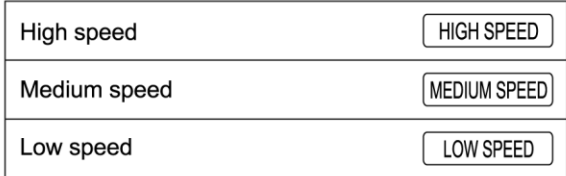
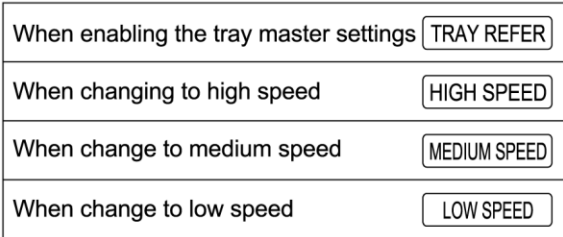
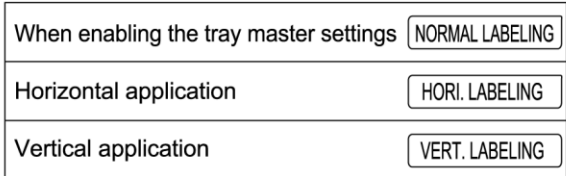
Saves the PLU data and returns to the previous screen.

Turns over the screen.

■ REGISTRATION METHOD

The table below is the summarized registration examples. Select necessary items and make necessary registrations.

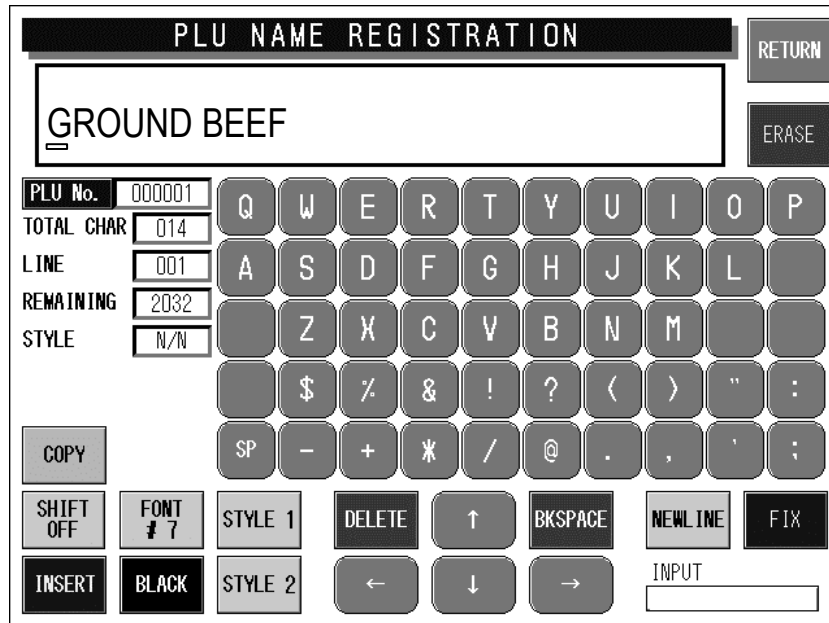
Item	Example	Operation
Department	Register the department number "8".	The department number can have one digit (0 - 9). 
Group	Register the group number "11".	The group number can have two digits (0 - 99). 
Item Code	Register the item code "12345678".	The item code can have eight digits (0 - 99999999). 
Unit Type	Register the unit type.	<ol style="list-style-type: none"> Press this button to display the pop-up screen. Select the unit type. 

Item	Example	Operation
Upper Weight Limit	Register the upper weight limit "800g".	The upper weight limit can have five digits (0 - 99999). 
Lower Weight Limit	Register the lower weight limit "750g".	The lower weight limit can have five digits (0 - 99999). 
Wrap Mode	Register the wrap mode.	1. Press this button to display the pop-up screen. 2. Select the wrap mode. 
Infeed Speed	Register the speed for the infeed bar and the conveyer.	1. Press this button to display the pop-up screen. 2. Select the infeed speed. 
Wrap Speed	Register the commodity wrapping speed.	1. Press this button to display the pop-up screen. 2. Select the wrapping speed. 
Label Rotation	Register the label direction.	1. Press this button to display the pop-up screen. 2. Select the label direction. 

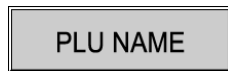
Items	Example	Operation								
Tray Volume	Register the commodity filling condition for wrapping.	1. Press this button to display the pop-up screen. 2. Select the filling height. <table border="1" data-bbox="831 322 1398 555" style="margin-left: 40px;"> <tr> <td>Without filling</td> <td>NO VOLUME</td> </tr> <tr> <td>With small filling</td> <td>LOW VOLUME</td> </tr> <tr> <td>With medium filling</td> <td>MEDIUM VOLUME</td> </tr> <tr> <td>With large filling</td> <td>HIGH VOLUME</td> </tr> </table>	Without filling	NO VOLUME	With small filling	LOW VOLUME	With medium filling	MEDIUM VOLUME	With large filling	HIGH VOLUME
Without filling	NO VOLUME									
With small filling	LOW VOLUME									
With medium filling	MEDIUM VOLUME									
With large filling	HIGH VOLUME									
Auto Detection	Register the automatic detection setting. (Register the commodity using the tray that cannot be identified with the camera such as transparent trays in the tray specification.)	1. Press this button to display the pop-up screen. 2. Select the automatic detection. <table border="1" data-bbox="831 689 1398 801" style="margin-left: 40px;"> <tr> <td>Manual tray detection</td> <td>TRAY MANUAL</td> </tr> <tr> <td>Automatic tray detection</td> <td>TRAY AUTO</td> </tr> </table>	Manual tray detection	TRAY MANUAL	Automatic tray detection	TRAY AUTO				
Manual tray detection	TRAY MANUAL									
Automatic tray detection	TRAY AUTO									
Labeling Mode	Select either automatic or manual labeling mode. Register the commodity whose surface is uneven or having difficulty in applying labels to the "Manual application".	1. Press this button to display the pop-up screen. 2. Select the labeling mode. <table border="1" data-bbox="831 931 1398 1043" style="margin-left: 40px;"> <tr> <td>Automatic labeling</td> <td>AUTO LABELING</td> </tr> <tr> <td>Manual labeling</td> <td>MANUAL LABELING</td> </tr> </table>	Automatic labeling	AUTO LABELING	Manual labeling	MANUAL LABELING				
Automatic labeling	AUTO LABELING									
Manual labeling	MANUAL LABELING									

4.3 PLU NAME REGISTRATION

A PLU name can be easily registered simply by pressing the [PLU NAME] button on the Registration Menu screen. Register the PLU name after calling the desired PLU.



1. Press [PLU NAME] on the Registration Menu screen.

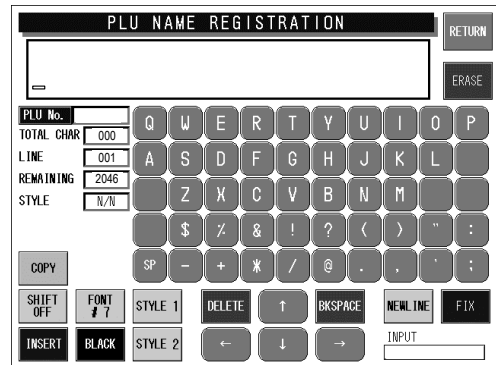


2. The text edit screen is displayed.

Enter the PLU number (1 - 999999) and press the [PLU] stroke key or the [PLU No.] field.

EXAMPLE

PLU No. "1"



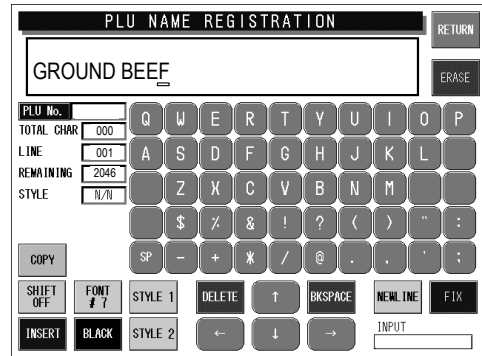


REFERENCE

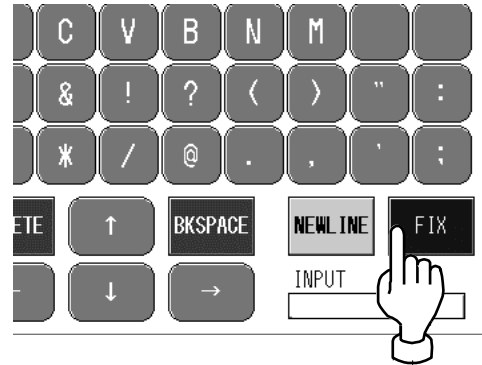
For character entry, refer to section 4.12 “Character Entry Method”.

- The called PLU name is displayed.

Enter the desired text using the keyboard on the screen.



- Press [FIX] to confirm the entered text image.

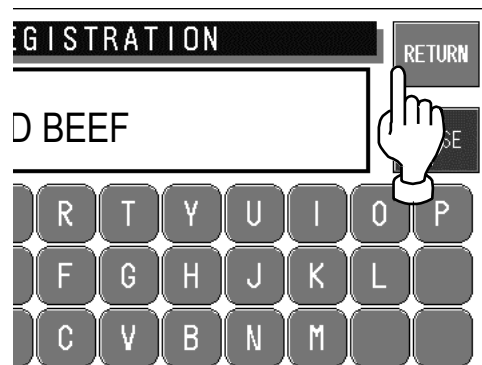
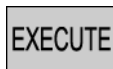


- Press [RETURN] on the screen.



The save confirmation screen is displayed.

Press [EXECUTE] to save the data.



4.4 EXTRA MESSAGE 1/2/3 REGISTRATION

Various messages can be registered in each extra message file. Register the desired message after selecting the desired message number (1 – 999999).

1. Press [EXTRA MESSAGE] on the Registration Menu screen.

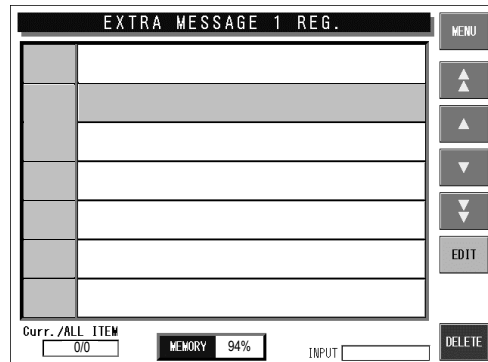


2. The Extra Message Registration screen is displayed.

Press the desired message field on the screen to make a selection.

Or, enter the message number (1 - 999999) and press the [PLU] stroke key.

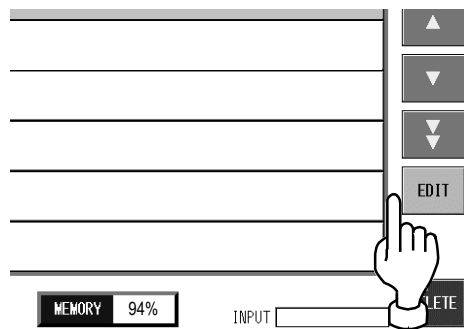
EXAMPLE
Message No. "1"



3. When the message field has been selected on the screen, press [EDIT] to move to step 4.

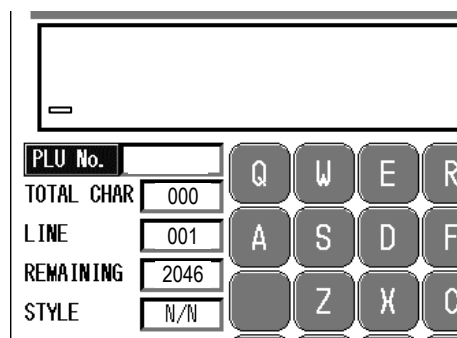


When the PLU number has been input, this step is skipped.



4. The text edit screen is displayed.

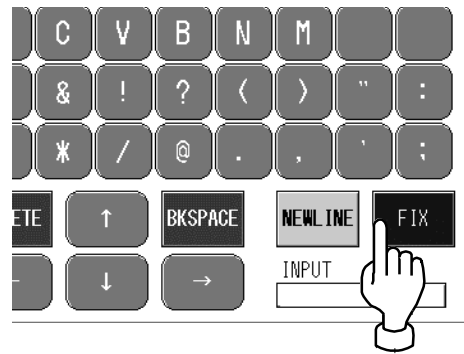
Enter the desired text using the keyboard on the screen.



REFERENCE

For character entry, refer to section 4.12 "Character Entry Method".

5. Press [FIX] to confirm the entered text image.

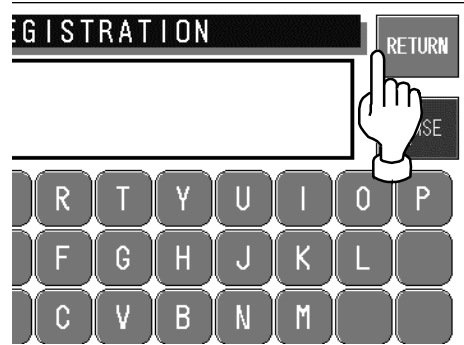
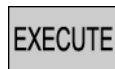


6. Press [RETURN] on the screen.



The save confirmation screen is displayed.

Press [EXECUTE] to save the data.



4.5 POP MESSAGE REGISTRATION

Various messages can be registered in the POP message file. Register the desired message after selecting the desired message number (1 – 999).

1. Press [POP MESSAGE] on the Registration Menu screen.

POP MESSAGE



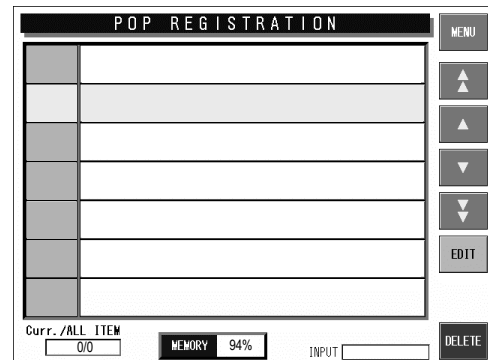
2. The POP Registration screen is displayed.

Press the desired message field on the screen to make a selection.

Or, enter the message number (1 - 999) and press the [PLU] stroke key.

EXAMPLE

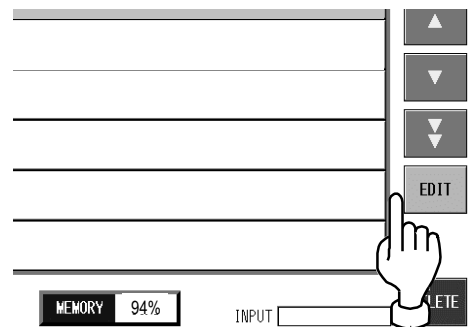
Message No. "1"



3. When the message field has been selected on the screen, press [EDIT] to move to step 4.

EDIT

When the PLU number has been input, this step is skipped.



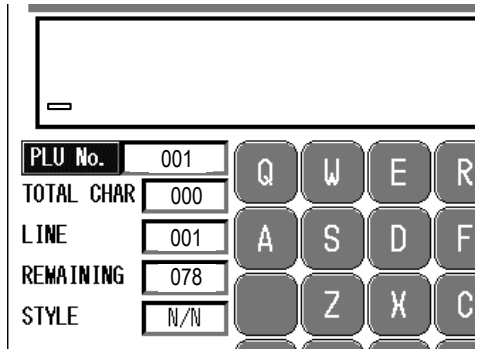


REFERENCE

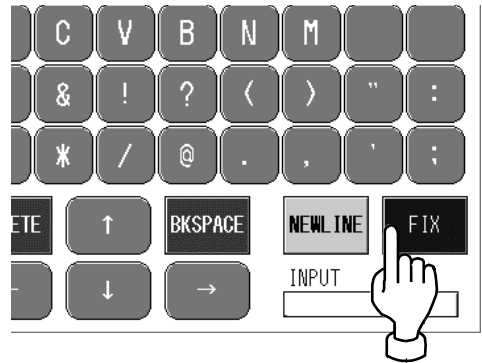
For character entry, refer to section 4.12 "Character Entry Method".

- 4.** The text edit screen is displayed.

Enter the desired text using the keyboard on the screen.



- 5.** Press [FIX] to confirm the entered text image.

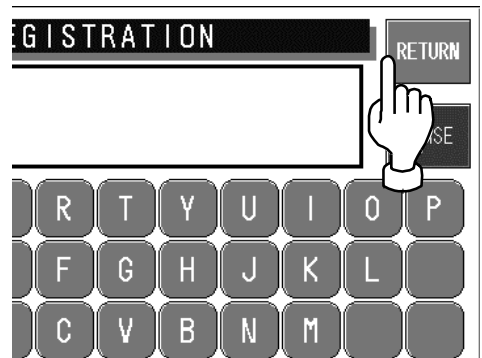


- 6.** Press [RETURN] on the screen.



The save confirmation screen is displayed.

Press [EXECUTE] to save the data.



4.6 COUPON MESSAGE REGISTRATION

Various messages can be registered in the coupon message file. Register the desired message after selecting the desired message number (1 – 999999).

1. Press [COUPON MESSAGE] on the Registration Menu screen.

COUPON MSG



2. The Coupon Message Registration screen is displayed.

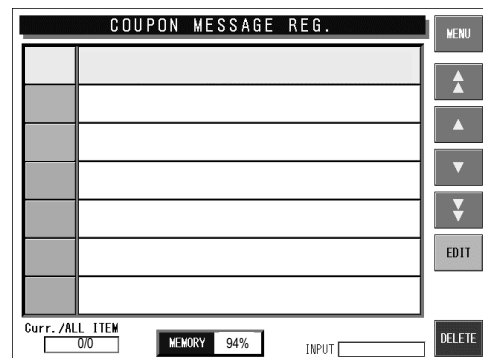
Press the desired message field on the screen to make a selection.

Or, enter the message number (1 - 999999) and press the [PLU] stroke key.

EXAMPLE

Message No. "1"

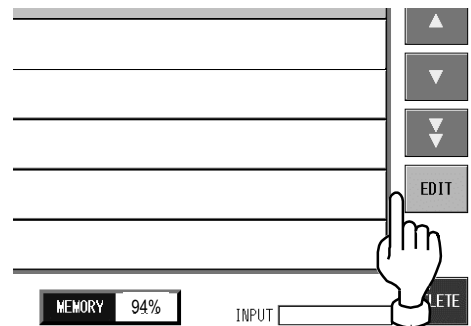
1 PLU



3. When the message field has been selected on the screen, press [EDIT] to move to step 4.

EDIT

When the PLU number has been input, this step is skipped.



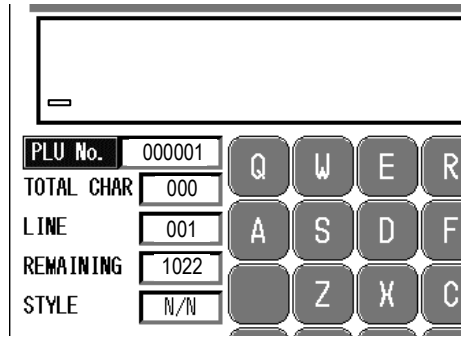


REFERENCE

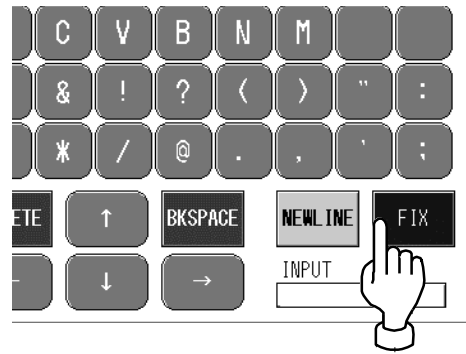
For character entry, refer to section 4.12 "Character Entry Method".

4. The text edit screen is displayed.

Enter the desired text using the keyboard on the screen.



5. Press [FIX] to confirm the entered text image.

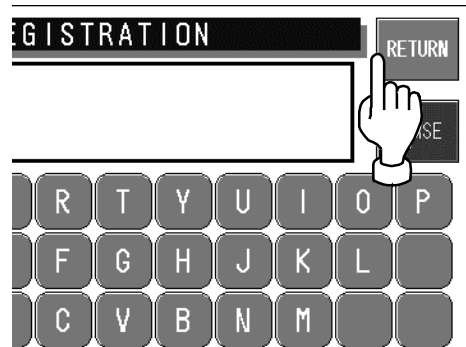


6. Press [RETURN] on the screen.



The save confirmation screen is displayed.

Press [EXECUTE] to save the data.



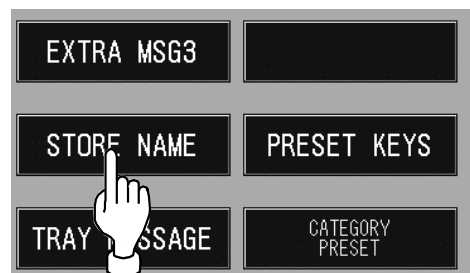
4.7 STORE NAME/ADDRESS REGISTRATION

Various store names and addresses can be registered in the store name/address file. Register the desired name and address after selecting the desired store number (1 – 9999).

NOTICE

Select "9999" for your own store.

1. Press [STORE NAME] on the Registration Menu screen.



2. The Store Name/Address Registration screen for Store No.9999 is displayed.

The [NAME] field is automatically selected first.



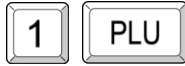
REFERENCE

For character entry, refer to section 4.12 "Character Entry Method".

- When selecting other store number than "9999", press [△] [▽] to find the desired number, or enter the store number (1 - 9999) and press the [PLU] stroke key.

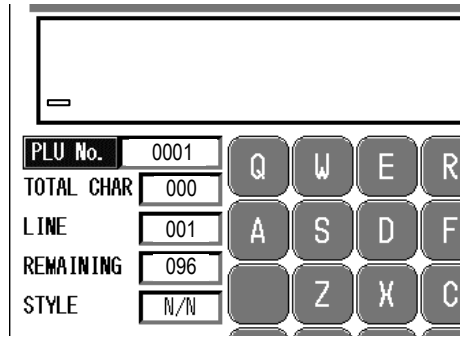
EXAMPLE

Store No. "1"

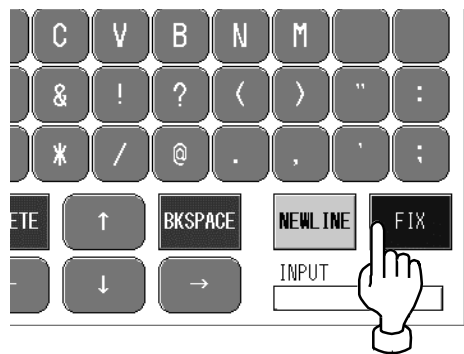


Then, the text edit screen is displayed for name registration.

Enter the desired text using the keyboard on the screen.



- Press [FIX] to confirm the entered text image.

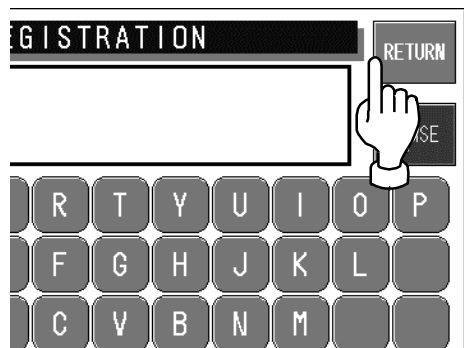


- Press [RETURN] on the screen.

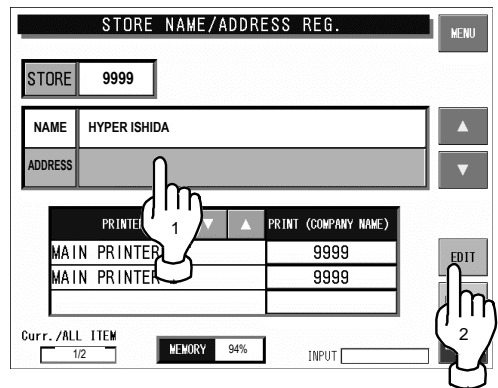


The save confirmation screen is displayed.

Press [EXECUTE] to save the data.

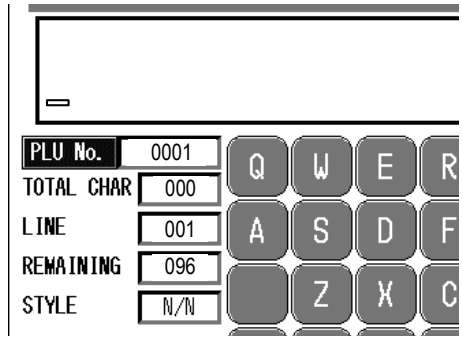


- Press the [ADDRESS] field to make a selection, and press [EDIT] on the screen.

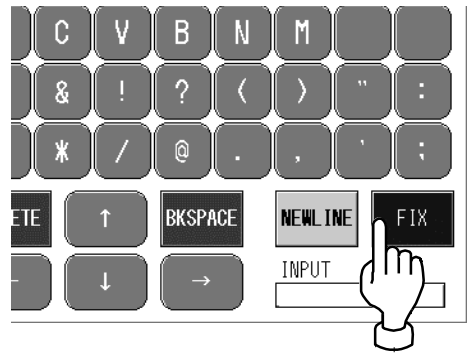


7. Then, the text edit screen is displayed for address registration.

Enter the desired text using the keyboard on the screen.



8. Press [FIX] to confirm the entered text image.

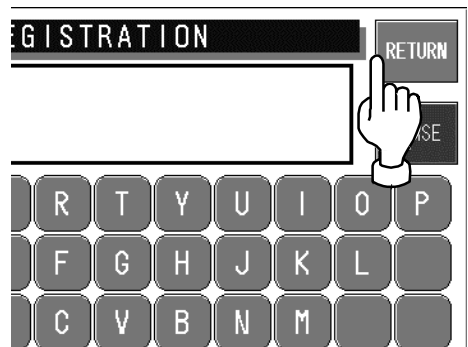


9. Press [RETURN] on the screen.

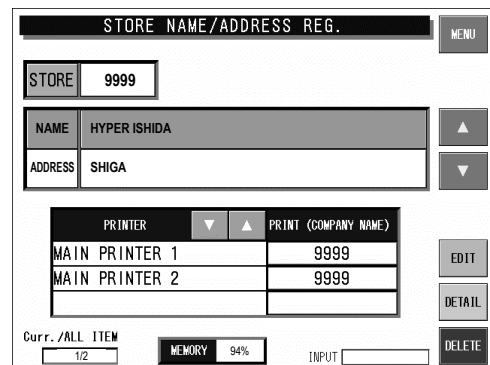


The save confirmation screen is displayed.

Press [EXECUTE] to save the data.



10. The registered name and address appear on the screen.



4.8 TRAY MESSAGE REGISTRATION

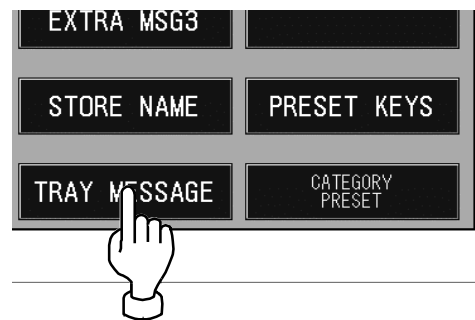
Tray names can be registered. Moreover, the size, name and other conditions of a tray can be registered. The Tray Program screen includes 1/2 screen on which wrapping conditions can be registered and 2/2 screen on which labeling position can be registered.

4.8.1 TRAY PROGRAM 1/2 SCREEN

Tray Program 1/2 (WRAP) screen details:

- MENU**: Returns to the Registration Menu screen.
- PAGE**: Turns over the next screen.
- RETURN**: Returns the wrapper and applicator to their original position. mechanical reintegration.
- RIGHT FILMSET**: Performs the film setting operation.
- RIGHT FILMFD**: Performs the film feeding.
- TRAY LIST**: Displays the tray list.
- DETAIL**: Displays the tray detail screen.
- DELETE**: Deletes the called tray data.

1. Press [TRAY MESSAGE] on the Registration Menu screen.

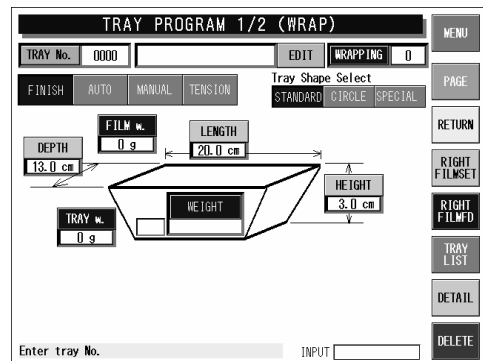


2. The Tray Program 1/2 screen is displayed.

Enter the desired tray number (1- 9999) using the numeric keys, and press the [PLU] stroke key.

EXAMPLE

Tray No. "4"



4.8.2 AUTOMATIC TRAY REGISTRATION

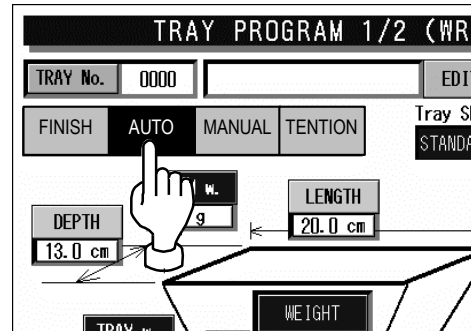
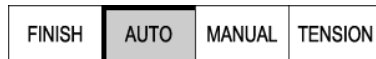
This section explains how to register tray information such as the size, weight, and film weight automatically.

Note: Not usable for the tray that cannot be identified with CCD camera.

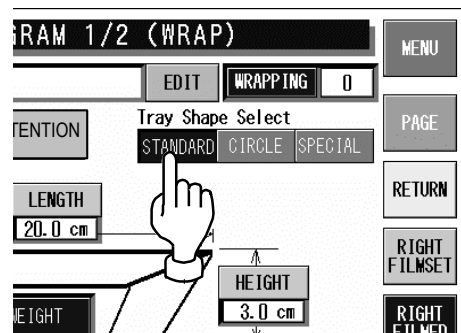


When the entered tray number is new, the machine changes automatically to [AUTO] (automatic registration) mode.

1. Select and press [AUTO] after entering the tray number (1 – 9999) on the Tray Program 1/2 screen.



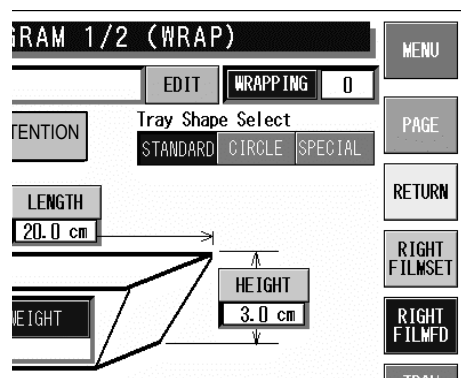
2. Select the tray shape by pressing the desired button.



3. Make sure that nothing is left on each conveyer such as weighing and wrapping areas.

4. Measure the tray height.

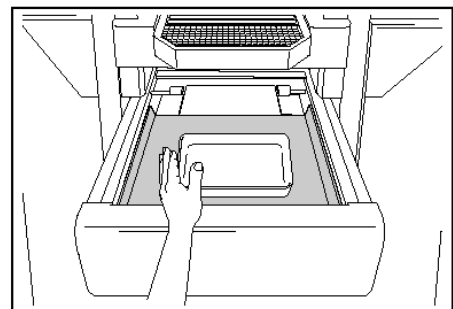
Then, enter the value using the numeric keys and press the [HEIGHT] field.



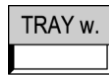
NOTICE

The tray might not be recognized correctly when the tray is not properly placed.

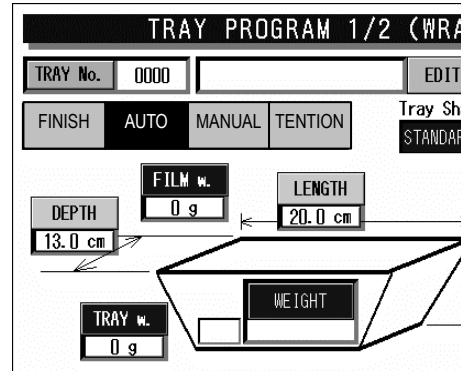
5. Place the tray in the middle of the weigh platter.



6. Press [TRAY WEIGHT].



Tray measurement starts and the result is registered.



CAUTION

The tray size measured by the CCD camera and the actual tray size are not always identical.

7. Place a commodity to wrap in the tray on the weigh platter. The CCD camera measures and registers the tray size. Then, the tray will be transported to the wrapping area.

8. Press the [PLU] stroke key.

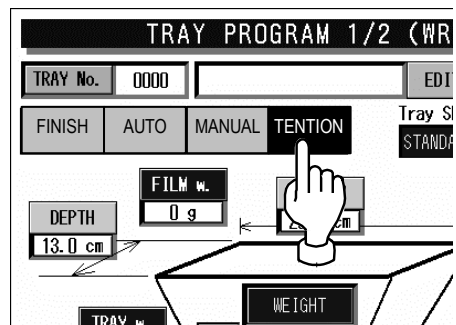
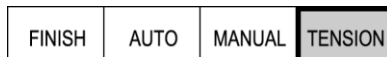


Wrapping operation begins and the wrapped trays will be discharged.

9. Place the wrapped tray that has been discharged on the weigh platter.

Measurement and calculation of the wrapped tray begins and the result is registered.

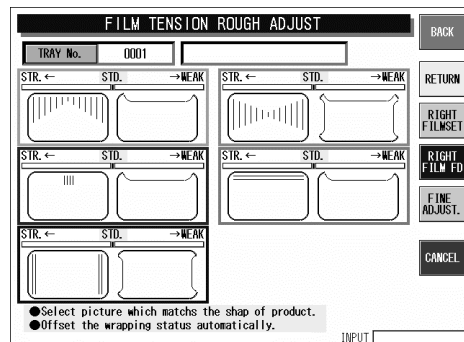
10. If the finished wrapping condition is not sufficient, press [TENSION] on the screen.



11. The Film Tension Rough Adjustment screen is displayed.

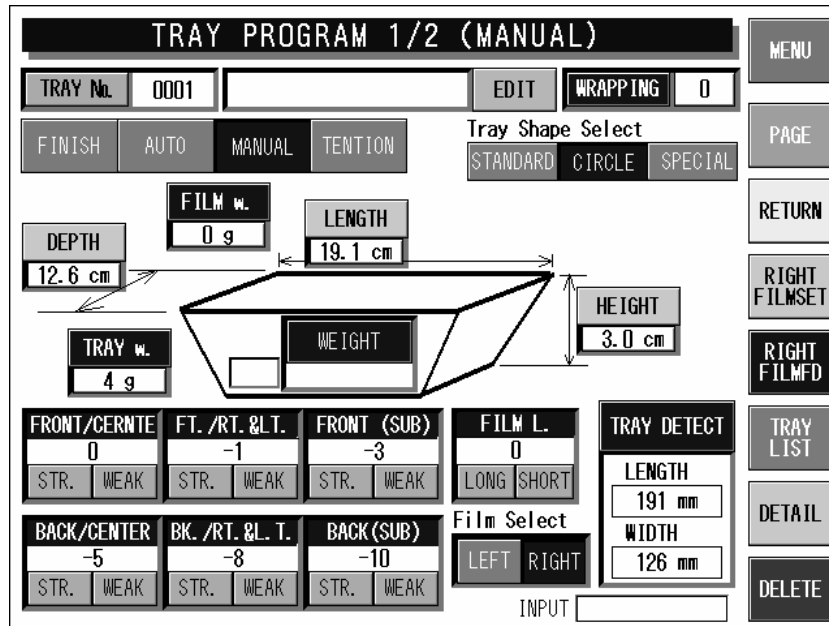


Refer to section 4.8.4 "Simple Film Adjustment" as to the film tension adjustment method.

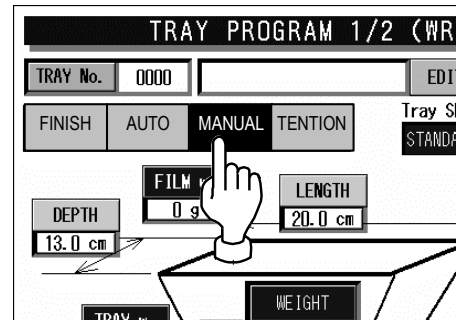
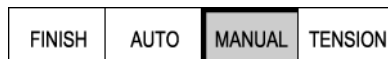


4.8.3 MANUAL TRAY REGISTRATION

The manual registration for tray information such as size, weight, and film weight is described below. This is used for trays that cannot be fully adjusted by the automatic tray registration.

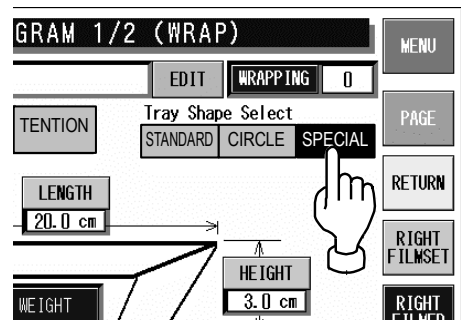


1. Enter the tray number (1 – 9999) using the numeric keys 1/2, and press [MANUAL] on the Tray Program.

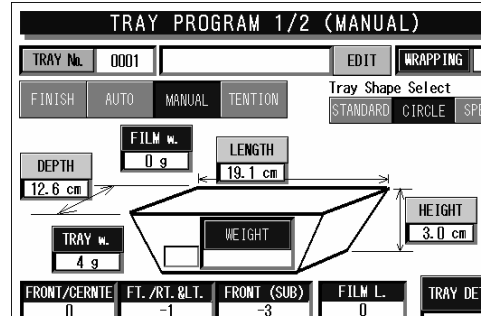
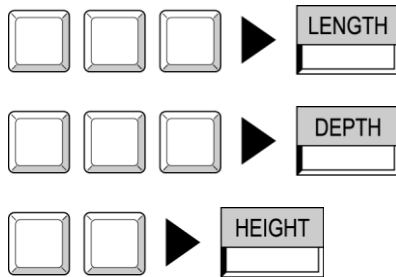


2. The Tray Program 1/2 (Manual) screen is displayed.

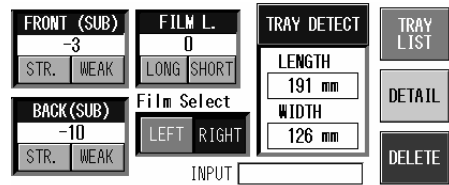
3. Select the tray shape by pressing the desired button.



4. Measure the tray size and enter each value by pressing the corresponding field after numeric entry.



5. Select and press the desired film to be used.



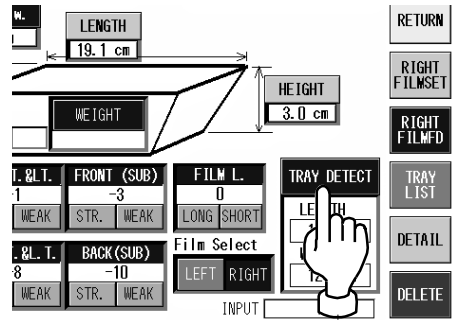
NOTICE

The automatic recognition cannot be performed if the tray detection sizes have not been entered. Set the detection size as "0" when a tray which cannot be automatically recognized (such as transparent trays) is used. Press [TRAY DETECT] twice without placing the tray on the weigh platter.

6. Press [TRAY DETECT].



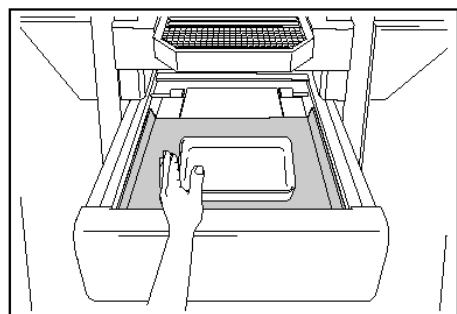
The CCD camera begins to measure the tray size.



CAUTION

The wrapper automatically starts test wrapping as soon as the tray is placed on the weigh platter without pressing [TRAY DETECT].

7. Place the tray on the weigh platter in the middle of the weigh platter as shown in the figure on the right.



CAUTION

The tray size measured by the CCD camera and its actual size are not always identical.

8. Press [TRAY DETECT] again to register the tray size.



-
- 9.** Put a commodity in the tray that needs to be registered, and place the tray on the weigh platter.

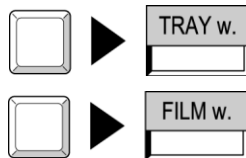
The tray is transported to the wrapping area.

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



The wrapping operation starts and the wrapped tray will be discharged.

-
- 11.** Measure the tray and the film and enter each value.



-
- 12.** Check the finished wrapping condition and change the film tension and the film length.

Repeat steps 9 - 11.



The weighing area can be used as the scale when [WEIGHT] is pressed. Press [WEIGHT] again to release this function after weighing.

4.8.4 SIMPLE FILM ADJUSTMENT

Film tension adjustment can be performed after the tray test has been executed.

BACK — Registers settings, and returns to the Tray Program 1/2 screen (manual or automatic settings).

RETURN

RIGHT FILMSET

RIGHT FILM FD

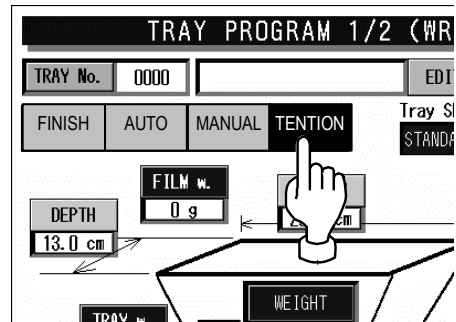
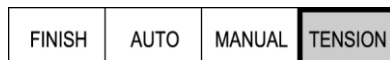
FINE ADJUST. — Mainly used by a service person.

CANCEL — Returns to the Tray Program 1/2 screen (manual or automatic settings) without registration of settings.

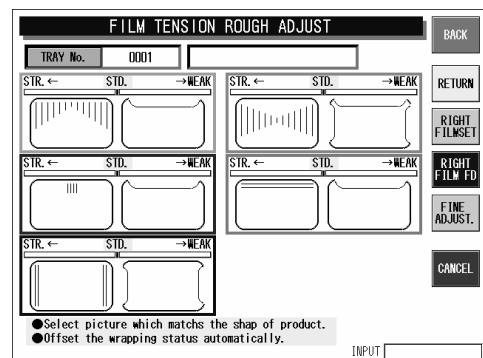
● Select picture which matches the shape of product.
● Offset the wrapping status automatically.

INPUT

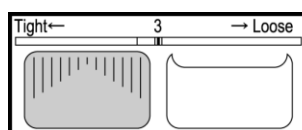
1. Press [TENSION] among the registration types on the Tray Program 1/2 screen.



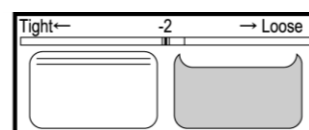
2. The Film Tension Rough Adjustment screen is displayed.



3. Adjust the wrapping conditions.



Press when the film creases as shown above.

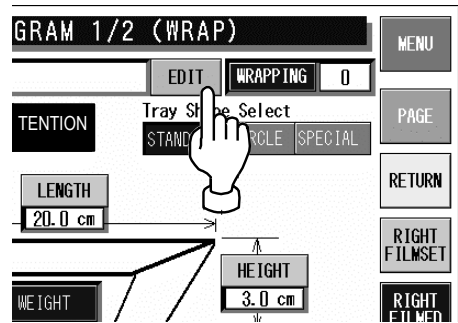


Press when the tray shape is deformed.

4.8.5 TRAY NAME REGISTRATION

Up to 10 characters can be registered for each tray name.

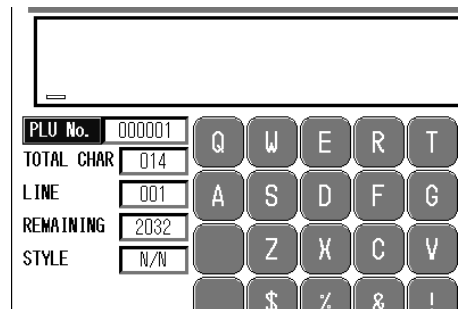
1. Press [EDIT] on the Tray Program 1/2 screen to display the text edit screen.



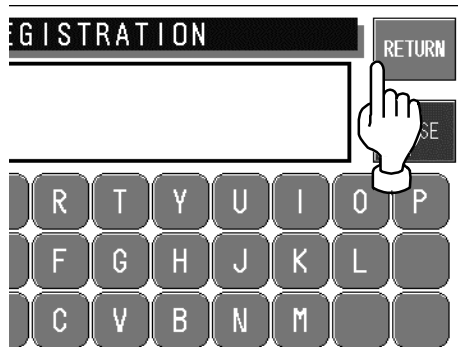
2. Enter the tray name using the keyboard on the screen.



For character entry, refer to section 4.12 "Character Entry Method".

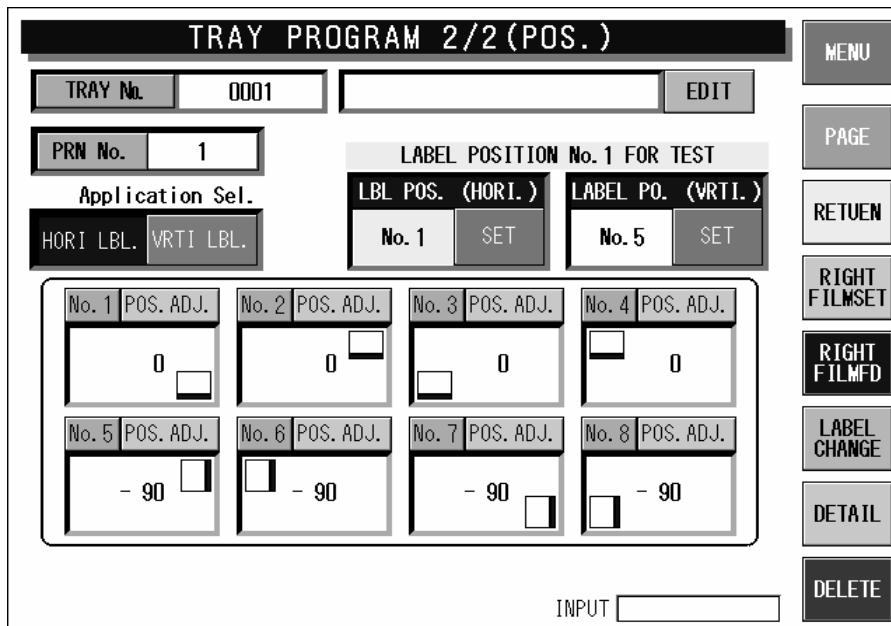


3. Press [RETURN] on the screen.

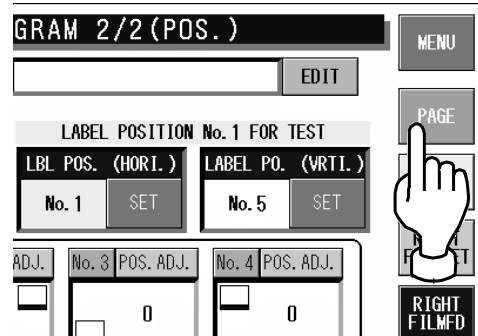


4.8.6 TRAY PROGRAM 2/2 SCREEN (LABEL POSITION REGISTRATION)

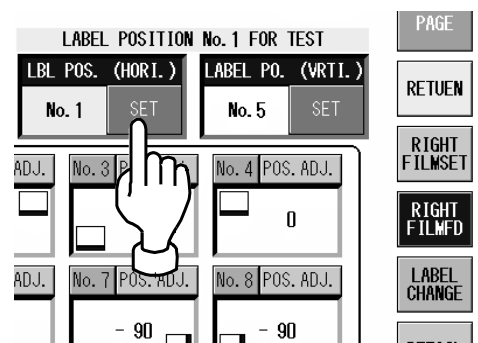
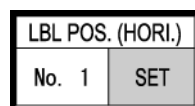
The machine can memorize one applying position per one tray for horizontal and vertical directions.



1. Press [PAGE] on the screen to display the Tray Program 2/2 (Position) screen.



2. Enter the numeric value (1 – 4) for horizontal labeling position, and press [SET] in the Label Position (Horizontal).



3. Perform label application testing.

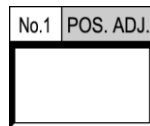
Label application test starts as soon as the tray is placed on the weigh platter.

The commodity is discharged when the [PLU] stroke key is pressed.

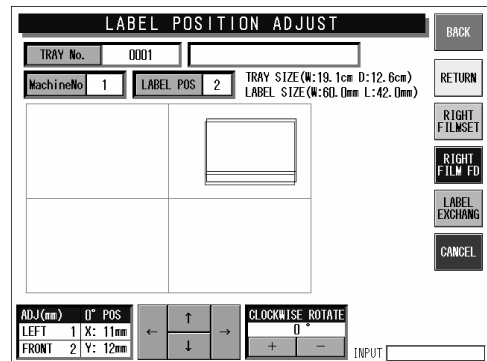


4. Adjust the labeling position based on the position where the label was applied in step 3 above.

(1) Press [POSITION ADJUST] of the set labeling position number.



The Labeling Position Adjustment screen is displayed.

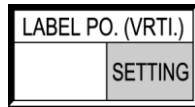


(2) Correct the labeling position.

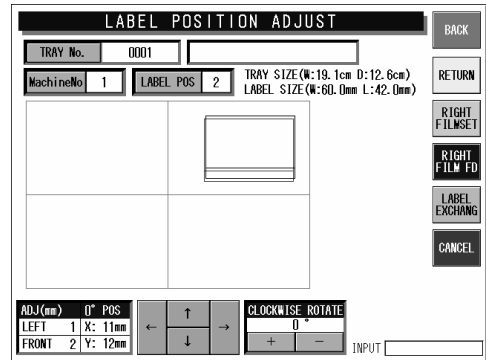
Items	Operation
Right and left labeling position 	Adjust right and left labeling position. The position can be moved in 1mm increments.
Upper and under label application positions 	Adjust top and bottom labeling position. The position can be moved in 1mm increments.
Rotation angle 	Change the labeling angle by pressing [+] and [-]. The angle can be set to 0°, 90° and - 90°. When the option printer is used, the angle can be changed in 15° increments.

(3) Press [RETURN] to return to the Tray Program screen.

5. Enter the numeric value (5 – 8) and press [SET] in the Label Position (Vertical).



Decide the labeling position in the same procedures as steps 3 and 4 above.



6. Finally, decide the standard labeling position.



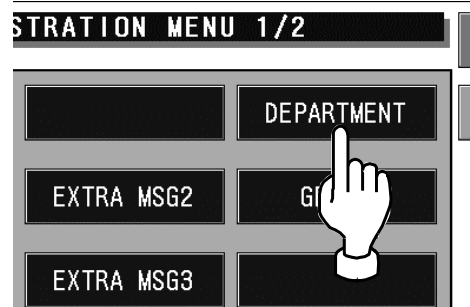
4.9 DEPARTMENT NAME REGISTRATION

Department names can be registered.



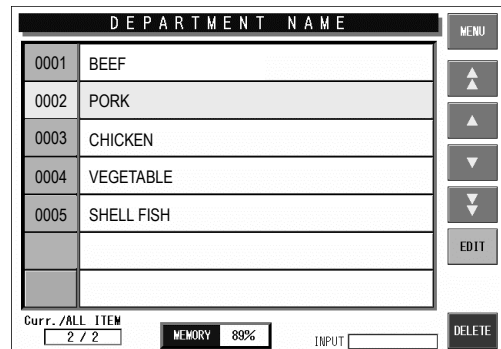
The procedure for group name registration is same as the one for department name registration.

1. Press [DEPARTMENT] on the Registration Menu screen.



2. The Department Name registration screen is displayed.

Press the desired department filed to make a selection when changing the text. Then, Press [EDIT] on the screen when changing or creating the selected department data.

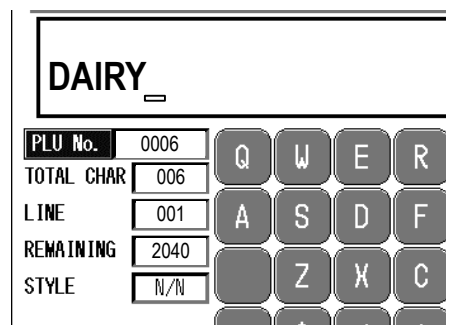


Or, enter the desired department number (1 - 9999), and press the [PLU] stroke key when creating a new name.

Example Department No. "6"



3. The text edit screen is displayed.





For character entry, refer to section 4.12 “Character Entry Method”.

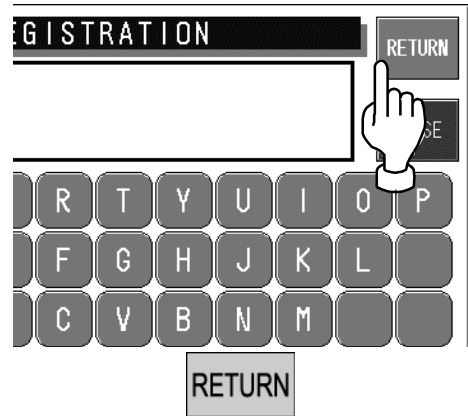
4. Enter the department name using the keyboard on the screen.

5. Press [RETURN] on the screen.

RETURN

The save confirmation screen is displayed. The data is saved and the display returns to the Department Name registration screen when [EXECUTE] is pressed.

EXECUTE



4.10 CATEGORY PRESET REGISTRATION

4.10.1 REGISTERING PLU TO THE CATEGORY PRESET KEY

CATEGORY PRESET

*Choose the PRESET key and press EDIT to program the category name.
*Select PLU No. to be linked with Category key.

MEAT					

No. RANGE 000001 ~ 000002 Ra. 1 CUT CHAR 0 INPUT

MENU — Returns to the Registration Menu screen.

LIST REGISTR — The commodity data list to be registered to the index is displayed. (Refer to section 4.10.2 “Registering Category Preset Keys from PLU List”.)

NAME EDIT — Displays the index title registration screen.

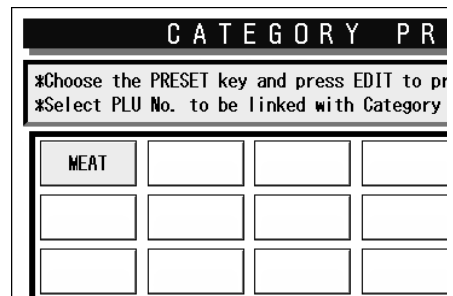
DELETE — Deletes all the data in the selected index number

1. Press [CATEGORY PRESET] on the Registration Menu screen.



2. The Category Preset Registration screen is displayed.

Select the index to register.

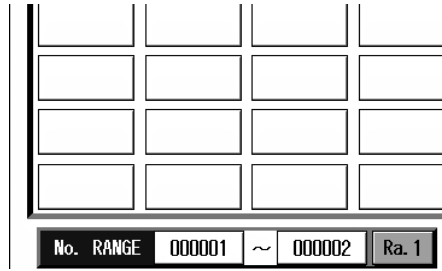




The same editing procedure can be applied for the registered index.

3. Specify the PLU number range.

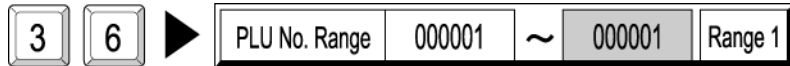
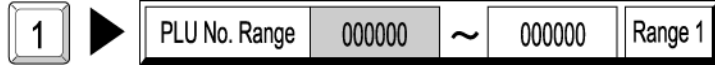
Up to five number ranges can be set up (Range 1 - 5).



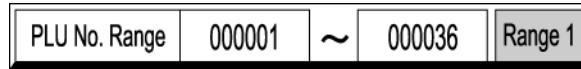
EXAMPLE

Register PLU numbers 1 - 36 and No.50 to index 1.

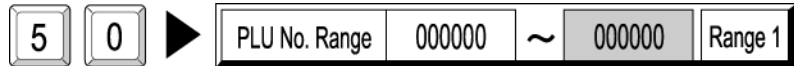
(1) Set the first PLU number range (No.1 - 36).



(2) Change to the input field for the second PLU number range.

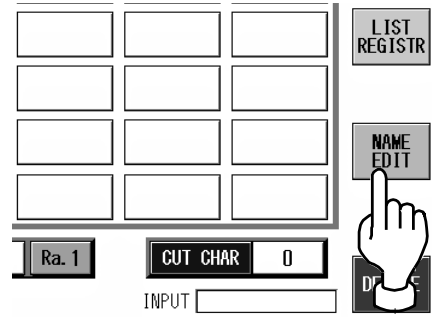


(3) Set the second PLU number range (No.50).



Press [List Registration] when setting the PLU number range in the PLU list. Refer to section 4.10.2 "Registering Category Preset Keys from PLU List" as for the PLU number. range setting from the PLU list.

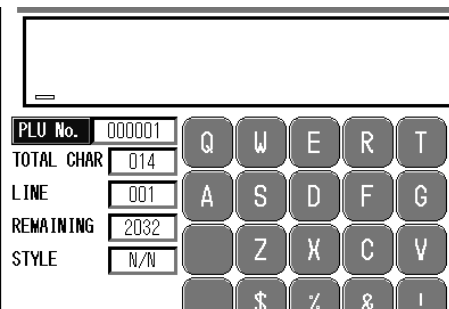
4. Press [NAME EDIT] on the screen.



For character entry, refer to section "4.12 Character Entry Method".

5. The index title registration screen is displayed.

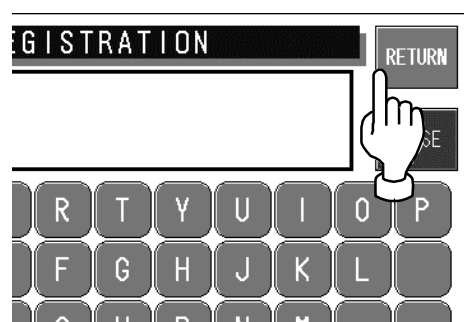
Register the index title.



6. Press [RETURN] on the screen.



The data is saved and the display returns to the Category Preset Registration screen.



4.10.2 REGISTERING CATEGORY PRESET KEYS FROM PLU LIST

Registers the PLU data to the selected index, and returns to the PLU Preset Registration screen.

The screenshot shows the 'CATEGORY LIST' screen with a table of items and a control panel on the right. The table has the following data:

No.	RANGE	Category Name
000001		GROUND BEEF
000002		GROUND BEEF SPECIAL
000003		TEXAS GROUND BEEF

At the bottom of the screen, there is a status bar: **No. RANGE** 000001 ~ 000002 **Ra. 1** Select first PLU to register.

Callouts for the control panel buttons:

- CONFIRM**: Returns to the PLU Preset Registration screen without registering the PLU data.
- CANCEL**: Returns to the PLU Preset Registration screen without registering the PLU data.
- Up Arrow**: Turns over the screen.
- Down Arrow**: Turns over the screen.
- MOVE**: Enables the operation only when changing pages.
- SELECT**: Selects the PLU data to be register to the index.
- RELEASE**: Releases the PLU data that has been registered to the index.
- ALL RELEASE**: Releases all PLU data that has been registered to the index.

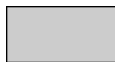
1. Confirm that the Category Preset Registration screen is displayed.

The screenshot shows the 'CATEGORY PRESET' screen. It features a grid for entering data and several control buttons. The grid has the following data:

MEAT					

At the bottom, there is a status bar: **No. RANGE** 000001 ~ 000002 **Ra. 1** **CUT CHAR** 0 **DELETE**

2. Select the index to register.

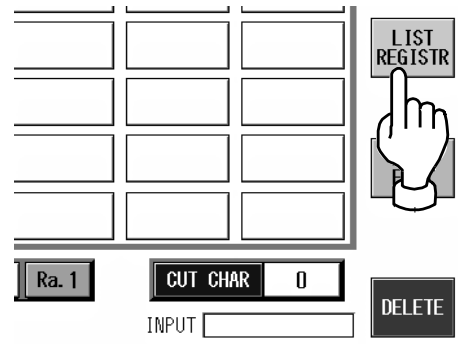


The screenshot shows the 'CATEGORY PR' screen, which is a similar view to the 'CATEGORY PRESET' screen. It features a grid for entering data and several control buttons. The grid has the following data:

MEAT					

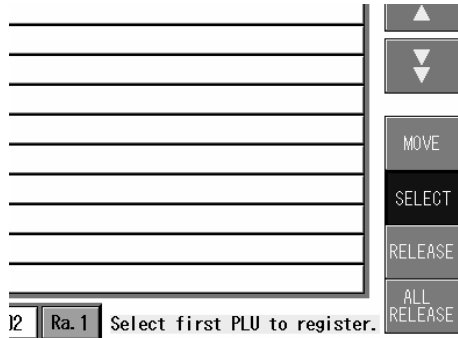
3. Press the [List Registration] on the screen.

LIST REGISTR



4. The Category Preset List Registration screen is displayed.

Select the PLU number range from the list.



To release the registered PLU data, press the “Release” and then the “Commodity No.” The entire PLU data that has been allocated is released when the “Flat Release” was pressed.

EXAMPLE

Register commodity No.1 - 36 and No.50 to the Index 1.

- (1) Press [SELECT] on the screen.

SELECT

- (2) Set the first PLU number range (No.1 - 36).

000001 [] 000036 []

- (3) Change to the input field for the second PLU number range.

PLU No. Range 000001 ~ 000036 Range 1

- (4) Set the second PLU number range (No.50).

000050 [] (Press twice)

- (5) Return to the Category Preset Registration screen by pressing [FIX] on the screen.



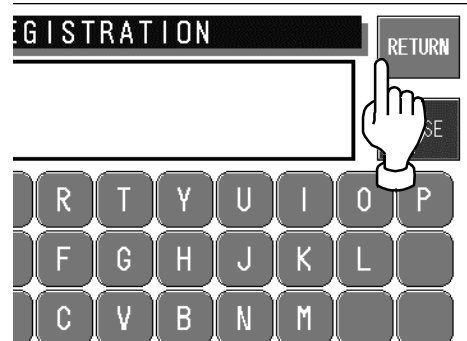
REFERENCE

For character entry,
refer to section 4.12
“Character Entry
Method”.

5. Register the index title.**6.** Press [RETURN] on the screen

RETURN

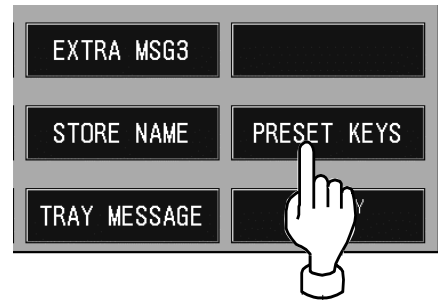
The data is saved and the display
returns to the Category Preset
Registration screen.



4.11 MEMO PRESET REGISTRATION

Register the commodity to the memo preset key used for the commodity call. (Basically, register in the standard mode.)

1. Press the [MEMO PRESET REGISTRATION] on the Registration Menu screen.



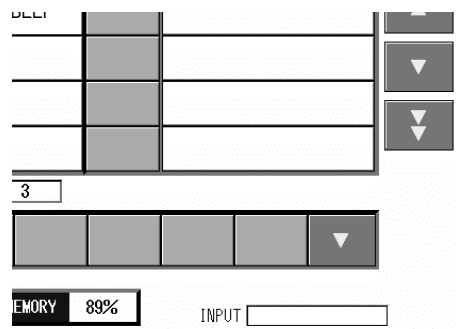
2. The Memo Preset Registration screen is displayed.

Select the PLU to allocate from the list.

Specify the PLU to allocate with the cursor and press the allocation position key of the preset keyboard.



The memo preset registration can also be performed by pressing the preset key after numeric entry.



4.12 CHARACTER ENTRY METHOD

This section explains how to enter characters referring to the character entry as an example. (Each item is commonly used on the character registration screen, however, some keys are not usable due to the different aims.)


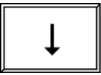

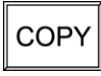







4.12.1 KEY FUNCTIONS

The screenshot shows a character entry interface. At the top, there are labels for 'PLU number' and 'PLU name'. The 'PLU name' label is followed by the text 'The called PLU name or the entered PLU name is displayed.' Below this, a text field contains 'Commodity name'. To the right of the text field are 'RETURN' and 'ERASE' buttons. Below the text field is a keyboard with various keys including letters, numbers, symbols, and function keys like 'COPY', 'SHIFT OFF', 'FONT #7', 'STYLE 1', 'DELETE', 'BKSPACE', 'NEWLINE', 'FIX', 'INSERT', 'BLACK', 'STYLE 2', and arrow keys. On the left side, there are several status indicators: 'Number of registered characters' (TOTAL CHAR 000), 'Current line number' (LINE 001), 'Remaining number of characters' (REMAINING 511), and 'Character attribute' (STYLE N/N). Below these indicators is a legend for character attributes: STYLE 1 (N: Normal, B: Bold face, R: Reverse, U: Underline, F: Frame) and STYLE 2 (N: Normal, S: Shadow, E: Edge).

Touch this key to return to the Program Menu screen.

The displayed PLU name can be deleted.

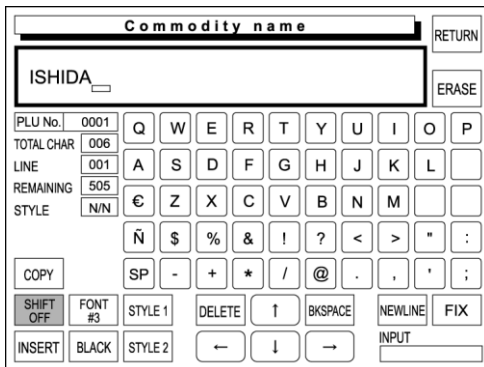
Key	Function
	Used to select either for inserting a character or selecting the characters on the text display field. Touching this key changes the key display in the following order. →
	Used to select either black or red characters. Touching this key changes the key display in the following order. → Note: Available only when two-color print specification is used.
	Used to emphasize the characters. Touching this key changes the key display in the following order. Used to emphasize the characters.
	This key is effective only when the two thermal heads are used. Touching this key changes the key display in the following order.
	Used to delete a character at the position where the cursor is positioned.
	Used to delete a character by moving the cursor back.
	Used to select the entered characters for editing the text. Also used to move the cursor left or right.

 	Used to move the character line up or down.
	Used to finish the text edit screen.
	Used to copy the original file data to the destination file data.
	Used to confirm the edited text image on the text display field.
	Used to erase the entire text on the text display field.
	Used to perform carriage return.
 / 	Used to select either lower-case or upper-case characters. SHIFT ON: Lower-case characters SHIFT OFF: Upper-case characters Touching this key changes the key display in the following order.
 → 	

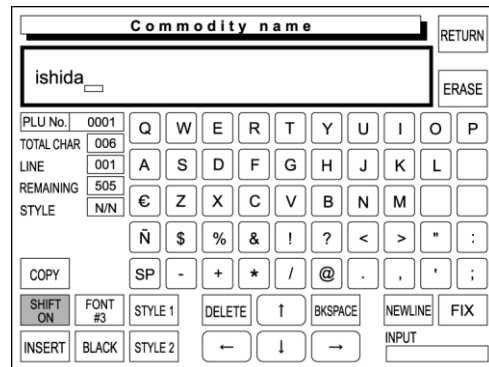
4.12.2 SHIFT ON /OFF

[SHIFT ON] or [SHIFT OFF] key is used to select either lower-case or upper-case characters.

Shift OFF (Upper-case characters)



Shift ON (Lower-case characters)



4.12.3 TEXT EDITING EXAMPLE

Text editing procedure is explained by quoting the following PLU name edit screen as an example.

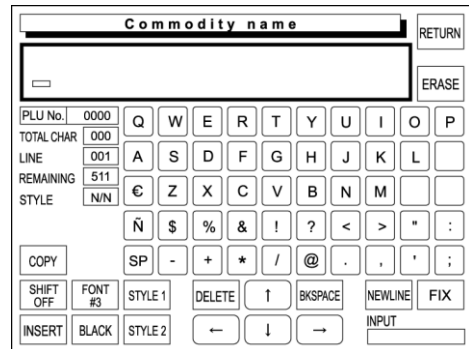


To erase the entire text displayed on the text display field, touch [ERASE] on the screen.

1. Confirm that the text edit screen is displayed.

Then, enter the desired PLU number and press the PLU key on the operating console.

Example PLU No.5

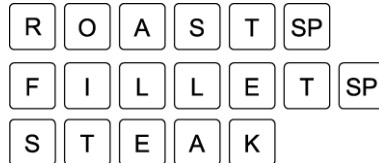


2. The text edit screen for the PLU number "5" is called.

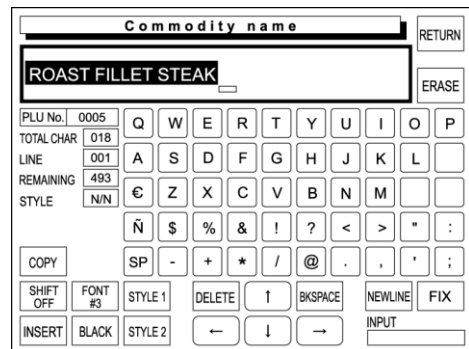
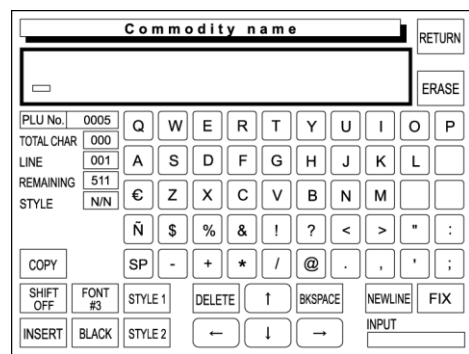
Enter the desired characters.



Example "Roast Fillet Steak"



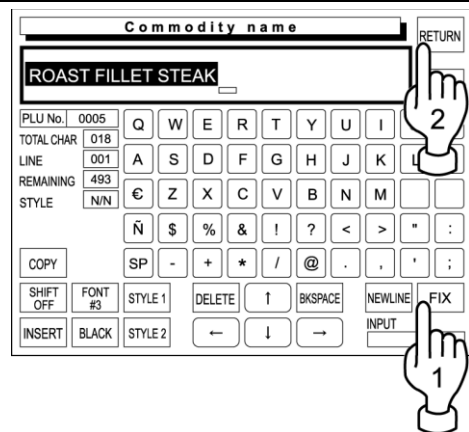
Edit the text as necessary.



3. When the text editing is completed, touch [FIX] to confirm the edited text image on the text display field.

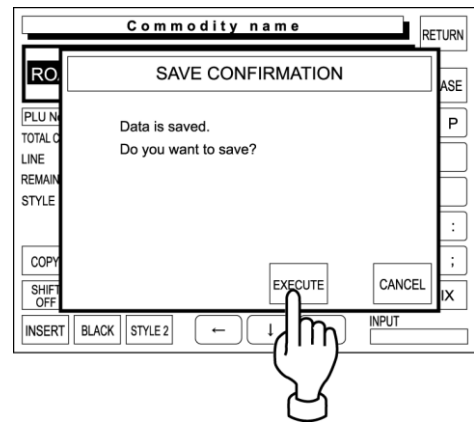


Then, touch [RETURN] to finish the text editing.











- 4.** The confirmation screen appears on the display for saving.

Then, touch [EXECUTE] to save the text.



4.12.4 EMPHASIZING CHARACTERS

[STYLE 1] and [STYLE 2] keys are used to emphasize the characters.

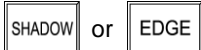
	Touching this key changes the key display in the following order.  →  →  → 
	Touching this key changes the key display in the following order.  → 

The following procedure explains how to emphasize characters.

■ EMPHASIZING CHARACTERS FIRST



“Style 2” function is available only when two color thermal heads are used.

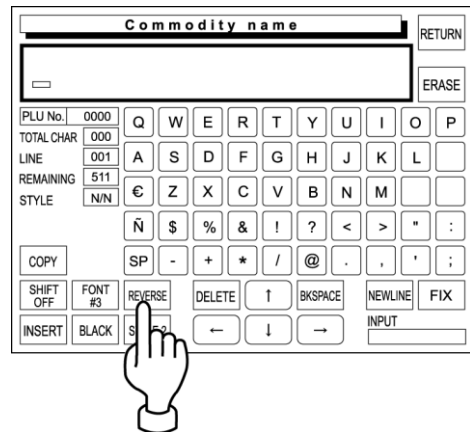


1. Touch to select one of the “Style 1” functions.



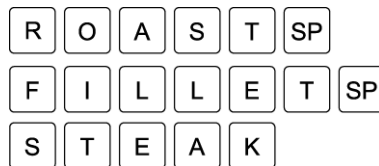
Example “Reverse”

Touch [STYLE 1] repeatedly until [REVERSE] appears on the key display.

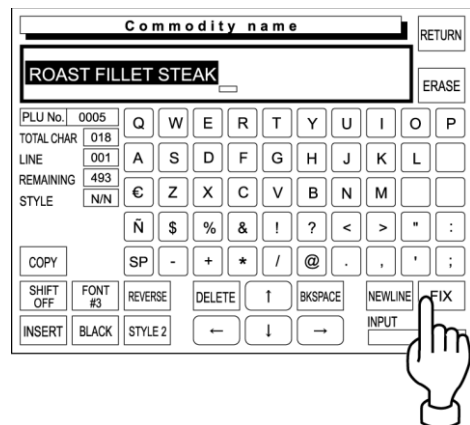


2. Enter the desired characters.

Example “Roast Fillet Steak”



Touch [FIX] to confirm the edited text image on the display.

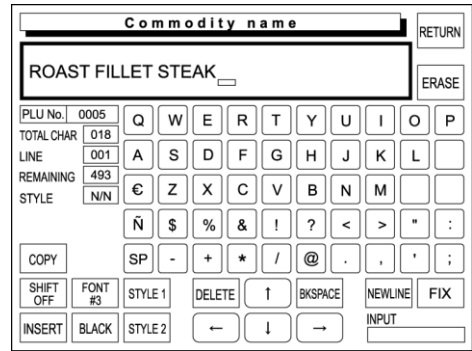
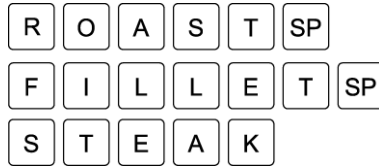


■ EMPHASIZING CHARACTERS LATER

1. Confirm that the existing text is displayed on the text display field.

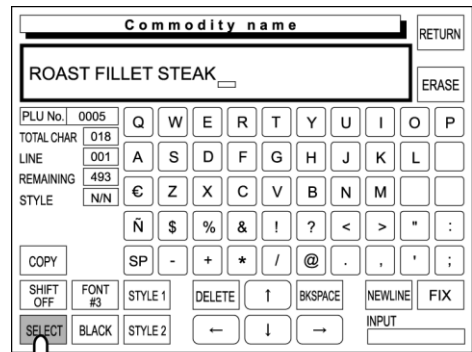
Otherwise, enter the desired characters.

Example “Roast Fillet Steak”



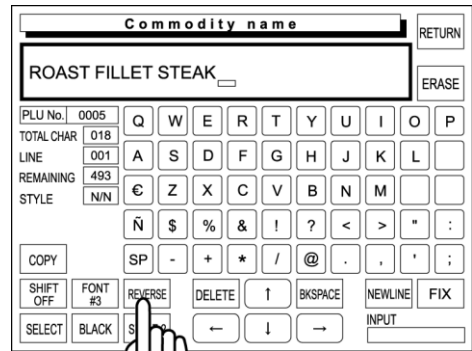
2. Confirm that [SELECT] is selected on the screen.

If not selected, touch [INSERT] to change the key display to [SELECT].

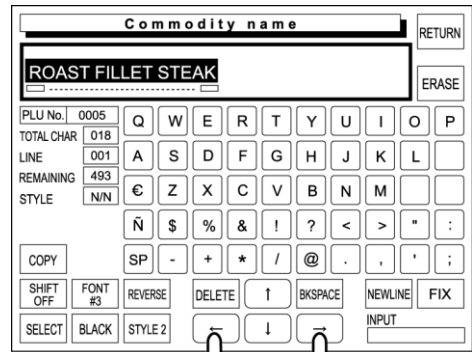


3. Select [REVERSE] by touching [STYLE 1] repeatedly.

Example “Reverse”



4. Use [←] and [→] keys to select the characters to be emphasized.

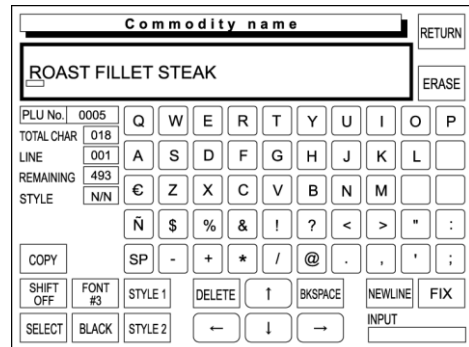


4.12.5 ERASING ENTIRE TEXT

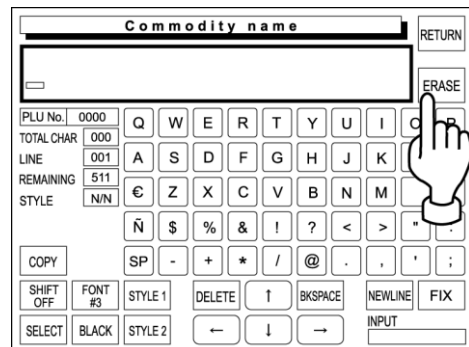
The following procedure is used to delete the entire text displayed on the text display field.

1. Confirm that the existing text is displayed on the text display field.

Example “Roast Fillet Steak”



2. Touch [ERASE] on the screen to delete the entire text.

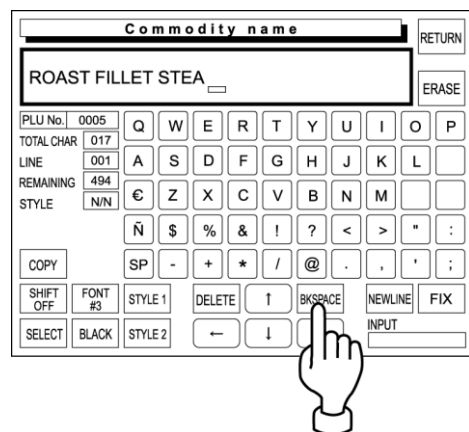


4.12.6 BACK SPACING

The following procedure is used to move the cursor back, and delete a character if any.

1. If you have misspelled, press [BACK SPACE] on the screen to delete the character that has been lastly entered.

Example “Roast Fillet Steal”

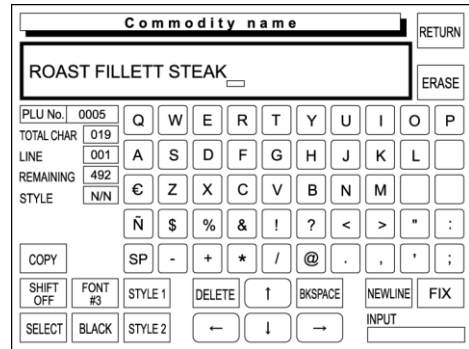


4.12.7 DELETING CHARACTERS

The following procedure is used to delete a character at the position where the cursor is placed.

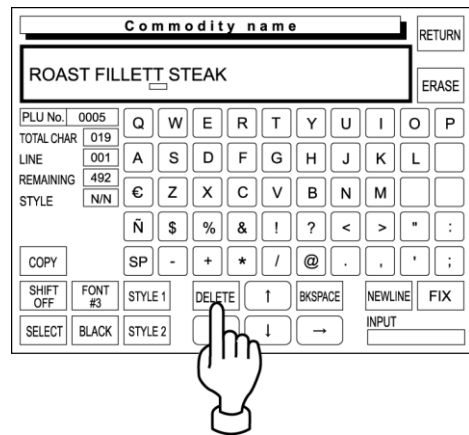
1. The displayed text is misspelled.

Example “Roast Fillett Steak”



2. Place the cursor at the character to be deleted.

Then, touch [DELETE] on the screen to delete the character.

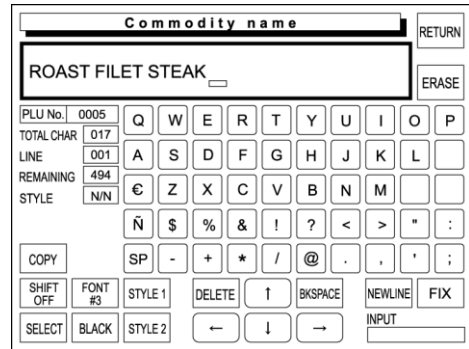


4.12.8 INSERTING CHARACTER

The following procedure is used to insert a character next to the right where the cursor is placed.

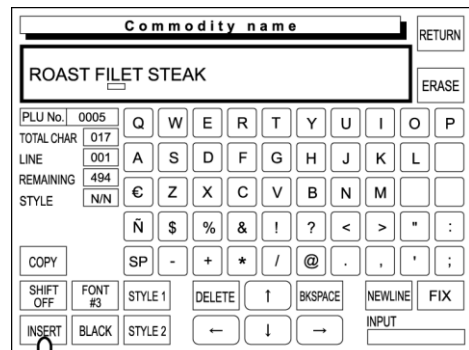
1. The displayed text is misspelled.

Example “Roast Filet Steak”



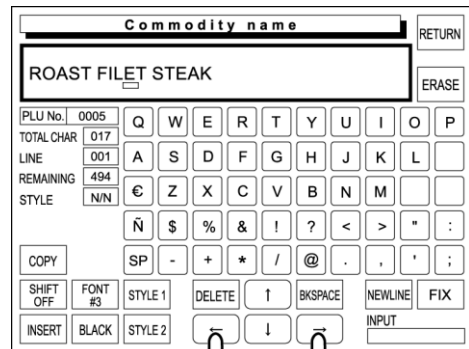
2. Confirm that [INSERT] is selected on the screen.

When not selected, touch [SELECT] to change the key display to [INSERT].



3. Move the cursor to the position where the character to be inserted.

Then, enter the character “L”.



4.12.9 COPYING ORIGINAL TEXT TO DESIGNATED FIELD

The following procedure is used to copy the original text to the text field of the designated file.

EXAMPLE

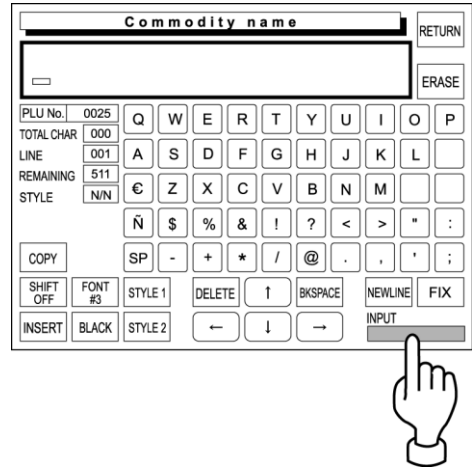
Copy the text "Roast Fillet Steak" of the PLU No.5 to the PLU No.25.

1. Confirm that the INPUT field is selected (yellow).

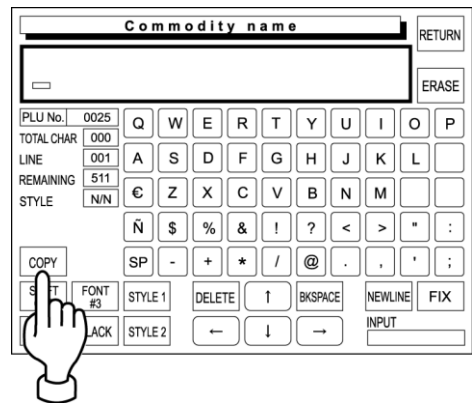
If not, touch the INPUT field first to declare that the numeric entry will be made.



Then, enter the desired PLU number and press the PLU key on the operating console to designate the PLU file to which the original text is copied.

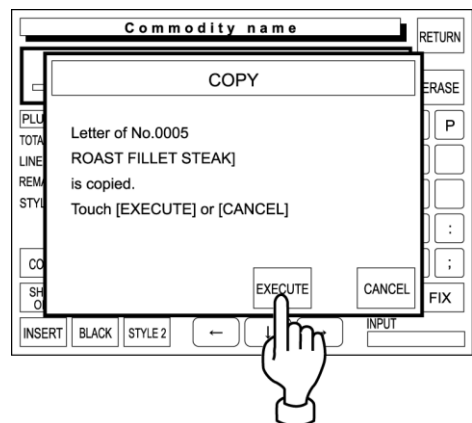


2. Enter the original PLU number using the numeric keys, and touch [COPY] on the screen.



3. The copy confirmation screen appears on the display.

Then, touch [EXECUTE] to copy the original text to the text field of the designated file.



4. The text "Roast Fillet Steak" of the PLU No.5 is copied to the text display field of the PLU No.25.

Commodity name										RETURN	
ROAST FILLET STEAK										ERASE	
PLU No.	0025	Q	W	E	R	T	Y	U	I	O	P
TOTAL CHAR	000	A	S	D	F	G	H	J	K	L	
LINE	001	€	Z	X	C	V	B	N	M		
REMAINING	511	Ñ	\$	%	&	!	?	<	>	"	:
STYLE	N/N	SP	-	+	*	/	@	.	,	'	;
COPY											
SHIFT OFF	FONT #3	STYLE 1	DELETE	↑	BKSPACE	NEWLINE	FIX				
INSERT	BLACK	STYLE 2	←	↓	→	INPUT					

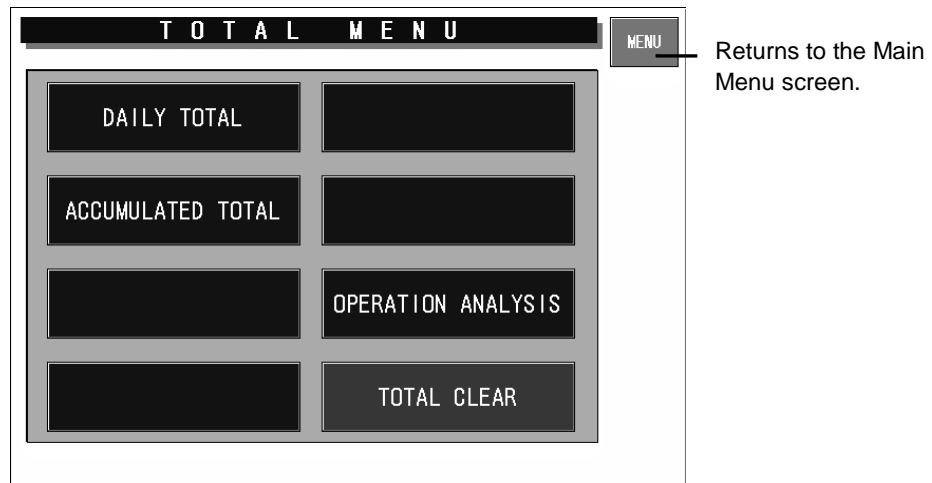
5

TOTAL MODE

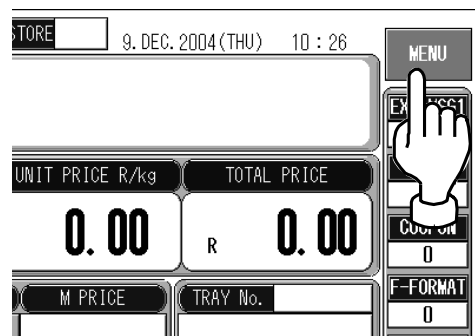
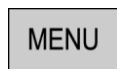
CONTENTS

5.1 TOTAL MENU SCREEN 5-2
5.2 DAILY / ACCUMULATED TOTALS 5-3
5.3 OPERATION ANALYSIS 5-10
5.4 TOTAL CLEAR 5-16

5.1 TOTAL MENU SCREEN



1. Press [MENU] on the screen in Normal Mode.

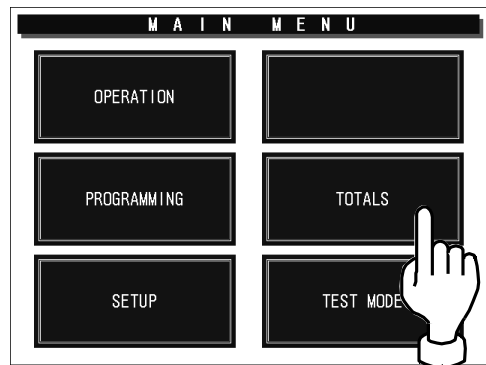


2. The Main Menu screen is displayed.

Press [TOTALS] on the screen.



Then, the Total Menu screen is displayed.



REFERENCE

When the password is set for entering the Total Mode, press the [TOTALS] after entering the password (6 digits).

5.2 DAILY / ACCUMULATED TOTALS

5.2.1 GRAND TOTAL

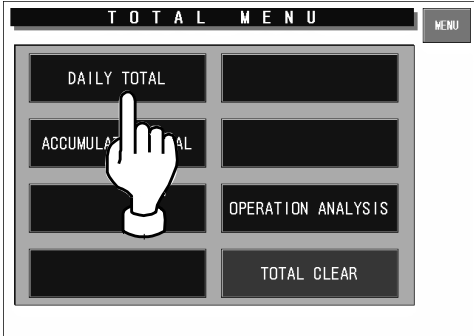
This operation totalizes the production quantity, weight, and price. In this section, the daily grand total is explained as an example. The same procedure is applied to the accumulated grand total.

DAILY GRAND TOTAL			
MACH. No.	1		
TOTAL	17482 pcs	R 322397.20	189.325 kg
SUB.	0 pcs	R 0.00	0.000 kg
TODAY	699.28 pcs	R 12895.88	7.966 kg
REWRAP	0 pcs	R 0.00	0.000 kg
ACCRUE	0 pcs	R 0.00	0.000 kg

MENU Returns to the Daily Total Menu screen.

NOTICE
 The totalized results cannot be output from this machine. When output is required, the machine needs to be connected to a peripheral device. Consult your ISHIDA service representative for details.

1. Press [DAILY TOTAL] on the Total Menu screen.



2. The Daily Total Menu screen is displayed.

Press [DAILY GRAND TOTAL] on the screen.



Then, the Daily Grand Total screen is displayed.



5.2.2 SALES PER DEPARTMENT

This operation totalizes the production quantity, weight, and price for each department. In this section, the daily department total is explained as an example. The same procedure is applied to the accumulated department total.

SALES PER DEPT.				
TOTAL	805 pcs	185.497 kg	R	3561.52
AVERAGE	0.230 kg/pcs	4.42 R/pcs		
No.	NAME	PCS	WT. (kg)	PRICE
1	BEEF	311	77.721	1774.31
2	PORK	106	38.028	591.33
3	CHICKEN	114	16.854	451.62
4	VEGETABLE	132	33.769	317.16
5	SHELL FISH	88	11.025	207.11
6	DAIRY	54	8.100	219.99

NOTICE

The totalized results cannot be output from this machine. When output is required, the machine needs to be connected to a peripheral device. Consult your ISHIDA service representative for details.

1. Press [DAILY TOTAL] on the Total Menu screen.



2. Daily Total Menu screen is displayed.

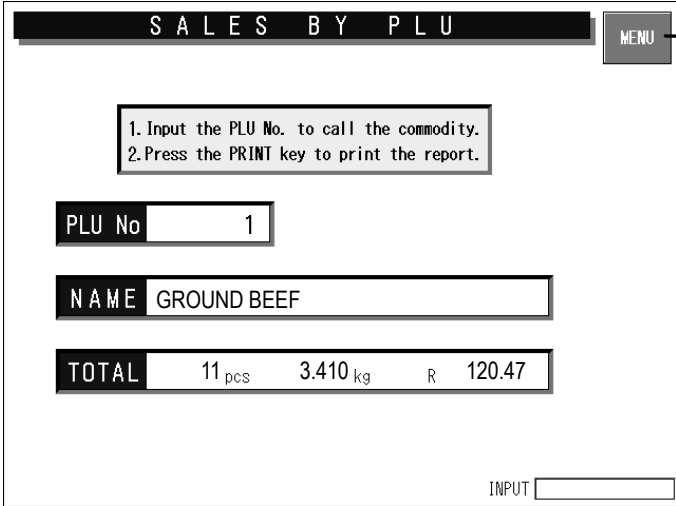
Press [SALES PER DEPT.] on the screen.



The Sales Per Department screen is displayed.

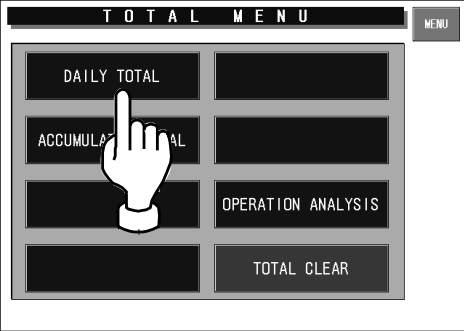
5.2.3 SALES BY PLU

This operation totalizes data for the desired PLU. In this section, the daily total for each designated PLU is explained as an example. The same procedure is applied to the accumulated PLU total.

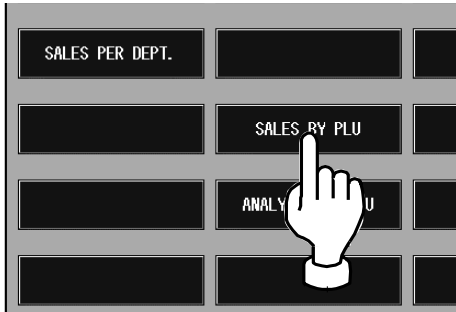


— Returns to the Daily Total Menu screen.

- 1. Press [DAILY TOTAL] on the Total Menu screen.



- 2. Press [SALES BY PLU] on the Daily Total Menu screen.



NOTICE

The Daily and Monthly Sales By PLU will be printed on labels.

NOTICE

Open the Front Cover to start operation when issuing labels.
(An error occurs if the Front Cover is closed.)

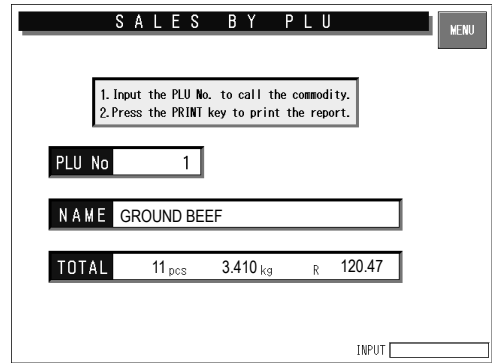
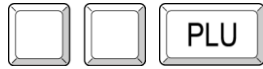


Press the [FEED] stroke key when feeding labels.



3. The Sales By PLU screen is displayed.

Call the desired PLU by pressing the [PLU] stroke key after the PLU number entry.



4. When printing the total label, press the [PRINT] stroke key.



The total label is issued.

Note: The same procedure can be applied to the Monthly PLU Total.

5.2.4 ANALYSIS BY PLU

This operation totalizes the production quantity, weight, and price for each PLU. In this section, the daily PLU analysis is explained as an example. The same procedure is applied to the accumulated PLU analysis.

ANALYSIS BY PLU

Make Selections and Press **DETAIL** button.

ENTER REPORT SIZE
 0 SET
 *Set 0 for all.

CLASSIFIED
 NO ANALYSIS DEPARTMENT
 GROUP

ANALYSIS TYPE

PLU No.	ABC PRICE
ABC WEIGHT	ABC NUMBER
Z PRICE	Z WEIGHT
Z NUMBER	

DETAIL INPUT

ANALYSIS BY CATEGORY

BACK

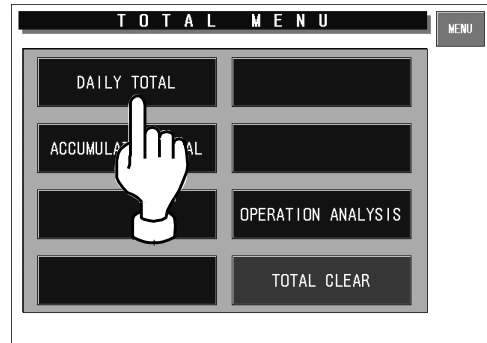
TYPE	CUM. TTL PLU	SORTED BY PLU No.		
TOTAL	805 pcs	185.497 kg	R	3561.52
CATEGORY				

PLU No.	PLU NAME	PCS	WT. (kg)	PRICE
1	GROUND BEEF	11	3.410	120.47
2	GROUND BEEF SPECIAL	6	1.950	87.75
3	TEXAS GROUND BEEF	14	3.000	84.00
4	OREGON GROUND BEEF	2	0.503	24.14
5	CALIFORNIA GROUND BEEF	8	0.900	35.10
6	UTAH GROUND BEEF	4	0.600	25.20
7	SLICE BEEF	28	5.740	200.90
8	SLICE BEEF SPECIAL	7	2.800	67.20
9	SLICE TEXAS BEEF	20	6.110	183.30
10	SLICE OREGON BEEF	12	3.604	108.12

<< >>

Changes the screen for each classification type set on the Analysis BY PLU screen. This is not usable when the classification type is set as "No Analysis".

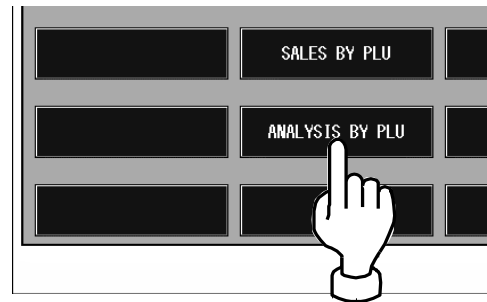
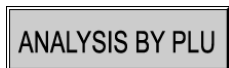
1. Press [DAILY TOTAL] on the Total Menu screen.



NOTICE

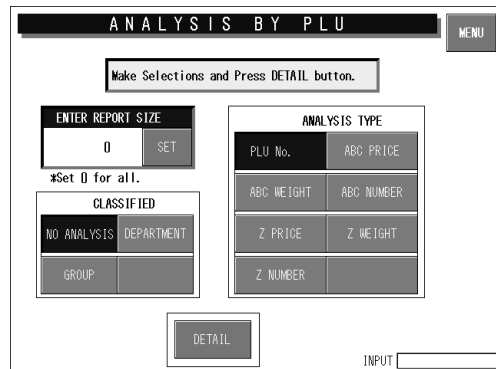
Total output cannot be performed with this machine. When total output is required, the machine needs to be connected to a peripheral device. Consult your ISHIDA service representative for details.

2. Press the [ANALYSIS BY PLU] on the Daily Total Menu screen.



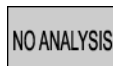
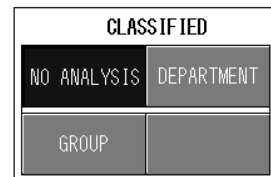
3. The Analysis By PLU screen is displayed.

Set the number of items to be displayed by pressing [SET] in the Enter Report Size field after numeric entry.



Note: Enter "0" to display all items and totalize them.

4. Press one of the following buttons in the "Classified" field to make a selection.



Displays and totalizes data for all PLUs.



Displays and totalizes PLU data for each department.



Displays and totalizes PLU data for each group.

5. Press one of the following buttons in the "Analysis Type" field to make a selection.

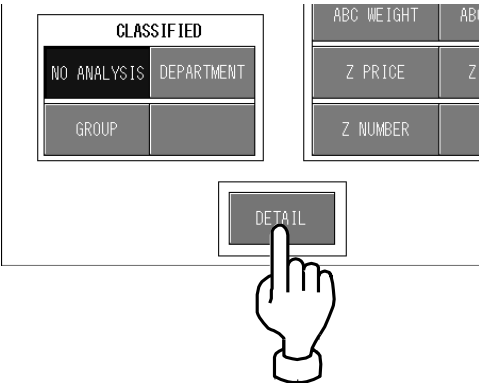
ANALYSIS TYPE	
PLU No.	ABC PRICE
ABC WEIGHT	ABC NUMBER
Z PRICE	Z WEIGHT
Z NUMBER	

- PLU No.** Displays and totalizes data in PLU number order.
- ABC PRICE** Displays and totalizes data in price descending order.
- ABC WEIGHT** Displays and totalizes data in weight descending order.
- ABC NUMBER** Displays and totalizes data in quantity descending order.
- Z PRICE** Displays and totalizes data in price ascending order.
- Z WEIGHT** Displays and totalizes data in weight ascending order.
- Z NUMBER** Displays and totalizes data in quantity ascending order.

6. Press [DETAIL] on the screen.

DETAIL

The display changes to the Analysis By PLU screen.

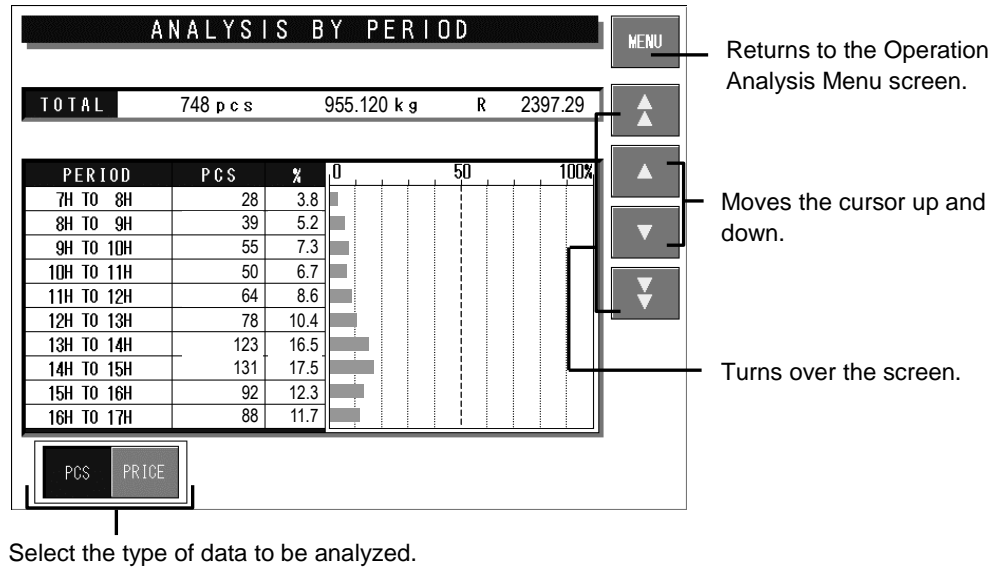


5.3 OPERATION ANALYSIS

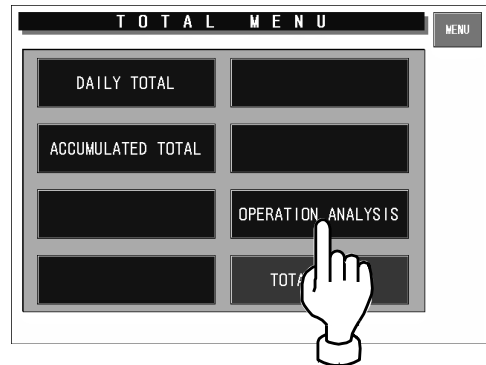
This operation totalizes the production quantity and price by time zone.

5.3.1 ANALYSIS BY PERIOD

The graphed ratio of the hourly production quantity and price are displayed.

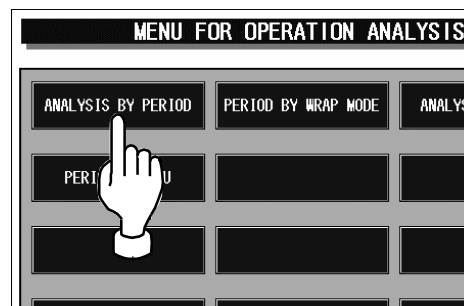


1. Press [OPERATION ANALYSIS] on the Total Menu screen.



2. The Operation Analysis screen is displayed.

Press [ANALYSIS BY PERIOD] on the screen.



3. The Analysis by Period screen is displayed.

11H TO 12H	64	8.6	
12H TO 13H	78	10.4	
13H TO 14H	123	16.5	
14H TO 15H	131	17.5	
15H TO 16H	92	12.3	
16H TO 17H	88	11.7	

Select the type of data to be analyzed.

PCS PRICE

PCS

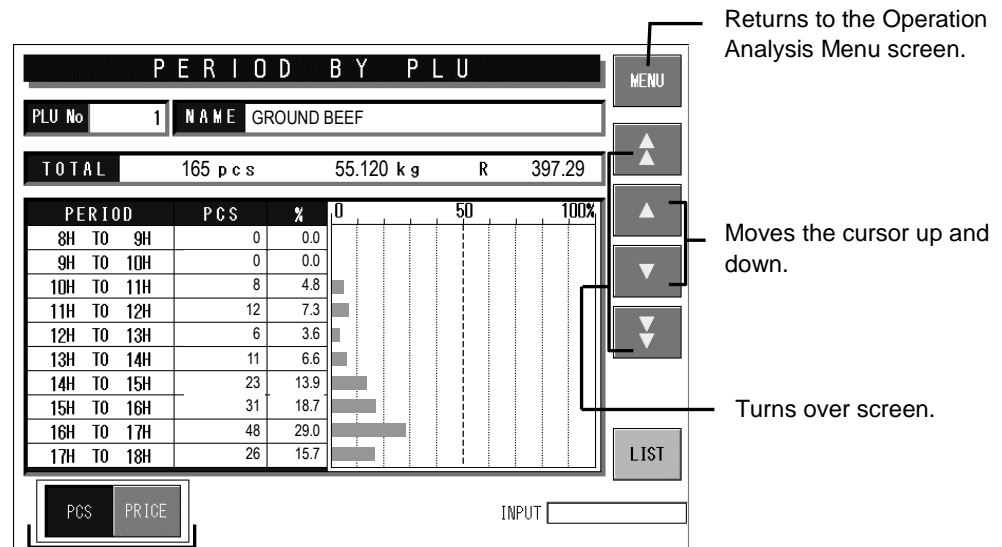
Displays the hourly totals in relation to the PLU quantities.

PRICE

Displays the hourly totals in relation to the PLU prices.

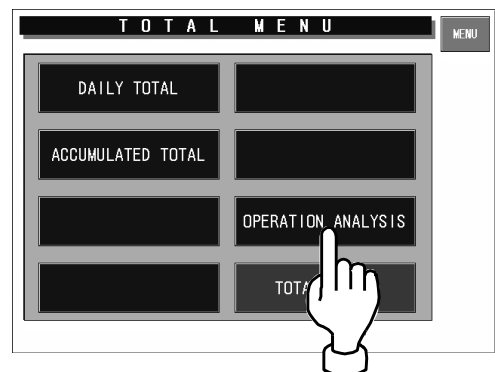
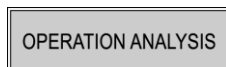
5.3.2 PERIOD BY PLU

The graphed hourly ratio of production quantities and prices for designated PLU is displayed. Up to 20 designated PLUs should have been set in advance.



Select the type of data to be analyzed.

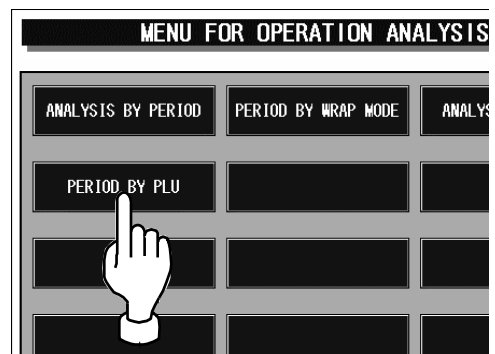
1. Press [OPERATION ANALYSIS] on the Total Menu screen.



NOTICE

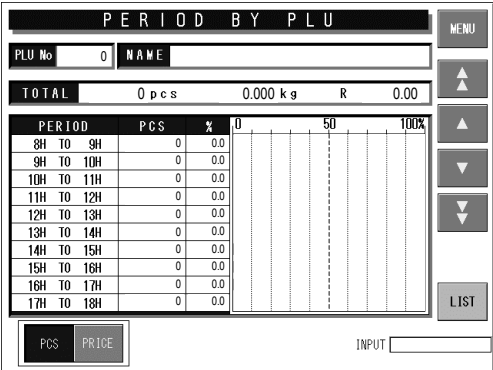
The totalized results cannot be output from this machine. When output is required, the machine needs to be connected to a peripheral device. Consult your ISHIDA service representative for details.

2. Press [PERIOD BY PLU] on the screen.



3. The Period by PLU screen is displayed.

Call the desired PLU by pressing the [PLU] stroke key after numeric entry.



4. The hourly analysis of the called PLU by time zone is displayed.

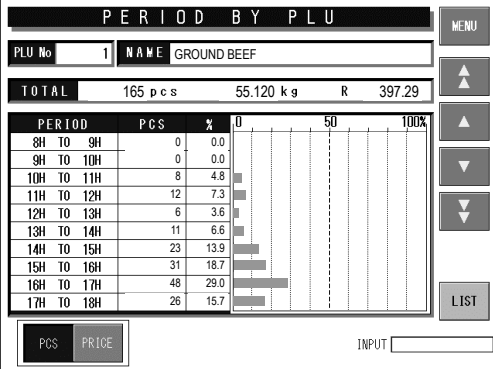
Select the type of data to be analyzed.



Displays the hourly totals in relation to the PLU quantities.







Displays the hourly totals in relation to the PLU prices.



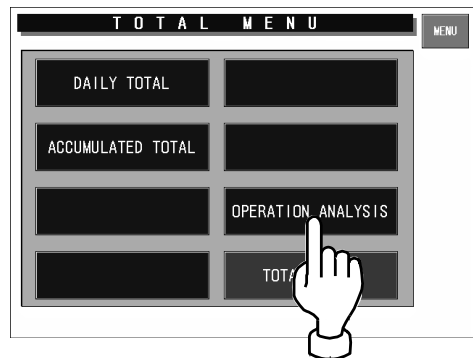
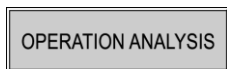
5.3.3 PERIOD BY WRAP MODE

This machine delimits the production data by hour and displays the data by wrapping mode.

PERIOD BY WRAP MODE						
TOTAL	WRP+LB	%	LABEL	%	WRAP	%
6	3	50.0	2	33.3	1	16.7
PERIOD	WRP+LB	%	LABEL	%	WRAP	%
7H TO 8H	0	0.0	0	0.0	0	0.0
8H TO 9H	0	0.0	0	0.0	0	0.0
9H TO 10H	0	0.0	0	0.0	0	0.0
10H TO 11H	0	0.0	0	0.0	0	0.0
11H TO 12H	0	0.0	0	0.0	0	0.0
12H TO 13H	0	0.0	0	0.0	0	0.0
13H TO 14H	0	0.0	0	0.0	0	0.0
14H TO 15H	3	100.0	0	0.0	0	0.0
15H TO 16H	0	0.0	2	100.0	0	0.0
16H TO 17H	0	0.0	0	0.0	1	100.0

 Returns to the Operation Analysis Menu screen.
 Moves the cursor up and down.
 Moves the cursor up and down.
 Turns over the screen..

1. Press [OPERATION ANALYSIS] on the Total Menu screen.



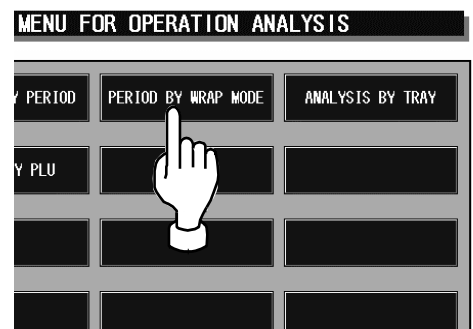
NOTICE

The totalized results cannot be output from this machine. When output is required, the machine needs to be connected to a peripheral device. Consult your ISHIDA service representative for details.

2. Press [PERIOD BY WRAP MODE] on the Period By Wrap Period screen.



The Period By Wrap Mode screen is displayed.



5.3.4 ANALYSIS BY TRAY

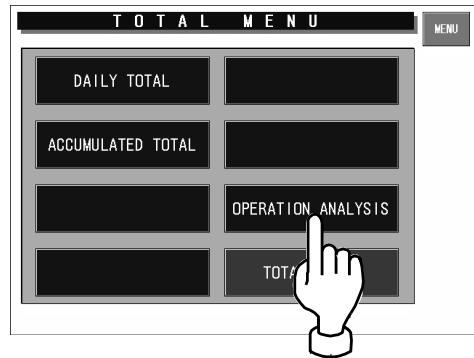
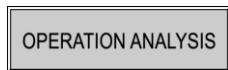
This operation totalizes and displays the production data for each tray.

Navigation controls and their functions:

- MENU**: Returns to the Operation Analysis Menu screen.
- Up/Down Arrows**: Move the cursor up and down.
- FILE OUTPUT**: Turns over the screen.

TRAY No.	TRAY NAME	WRP+LBL (pack)	%	LABEL (pack)	%	WRAP (pack)	%
0003	TEST TRAY 0003	3	100.0	2	100.0	1	100.0

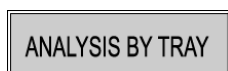
1. Press [OPERATION ANALYSIS] on the Total Menu screen.



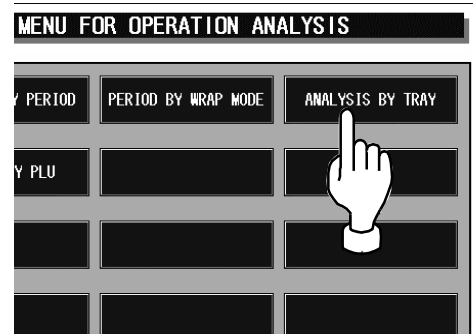
NOTICE

The totalized results cannot be output from this machine. When output is required, the machine needs to be connected to a peripheral device. Consult your ISHIDA service representative for details.

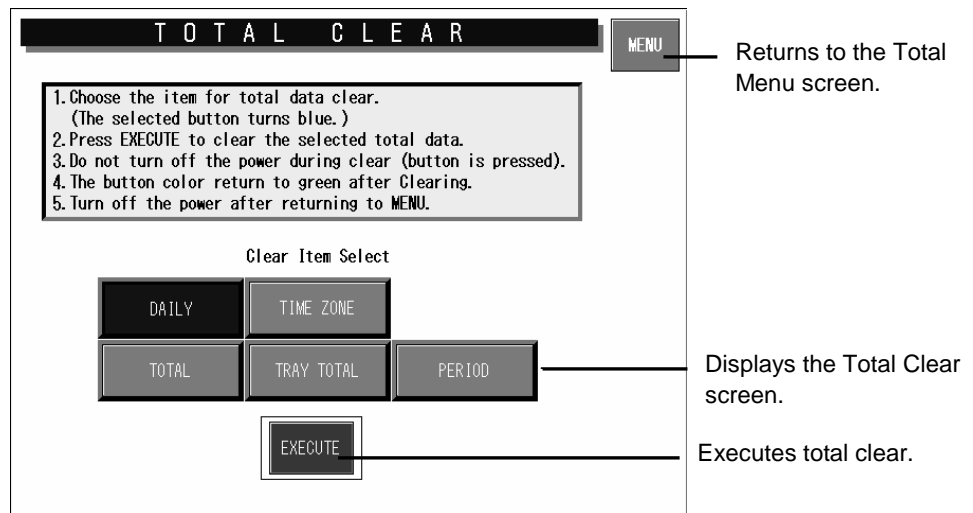
2. Press [ANALYSIS BY TRAY] on the screen.



The Analysis By Tray screen is displayed.



5.4 TOTAL CLEAR



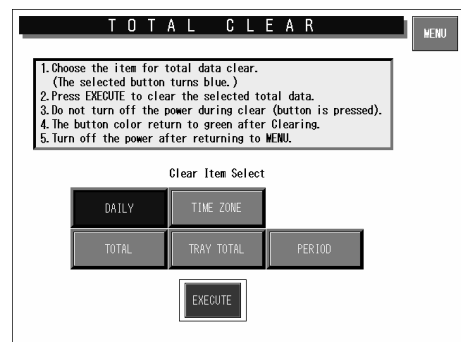
1. Press [TOTAL CLEAR] on the Total Menu screen.



2. The Total Clear screen is displayed.

Select the item from the accumulated totals.

Press the desired button to make a selection of the items to be deleted among [DAILY] [TOTAL] [TIME ZONE] [TRAY TOTAL] and [PERIOD].

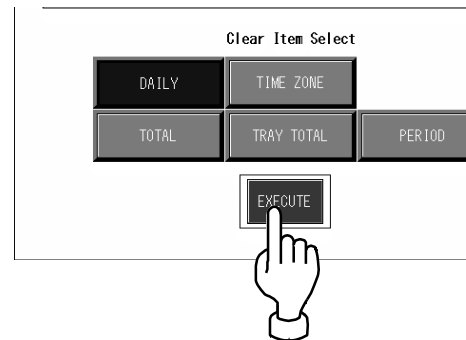


3. Press [EXECUTE] and clear the selected total.



The delete confirmation screen is displayed.

Press [EXECUTE] to clear the selected items.



6

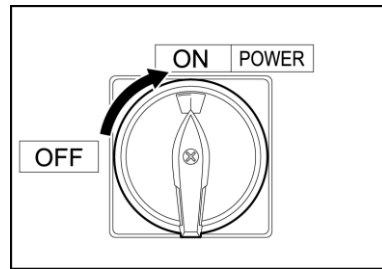
SETUP MODE

CONTENTS

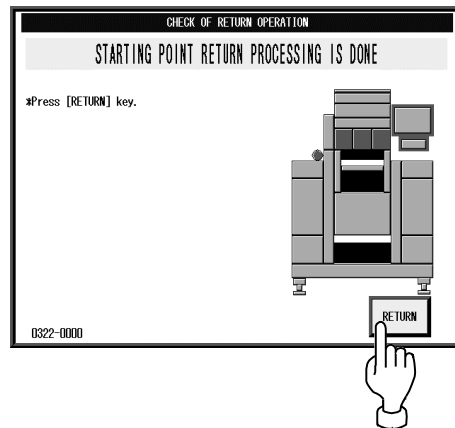
6.1	STARTING PROCEDURE	6-2
6.2	SETUP MENU	6-3
6.3	EXPIRY DATE SETTING	6-4
6.4	PASSWORD SETTING.....	6-6
6.5	WORDWRAP WIDTH SETTING.....	6-7
6.6	REFERENCE DATA SETUP	6-8
6.7	TOTAL SET.....	6-11

6.1 STARTING PROCEDURE

1. Turn the Main Power Switch lever clockwise to power ON the machine.

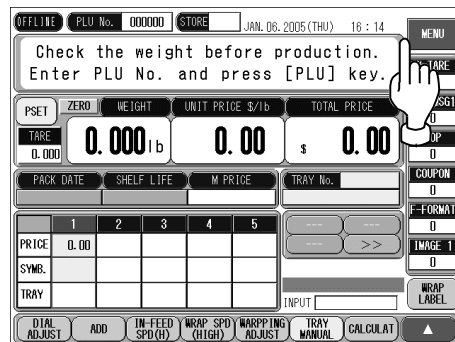


2. When the following Check of Return Operation screen appears, press the [RETURN] button.

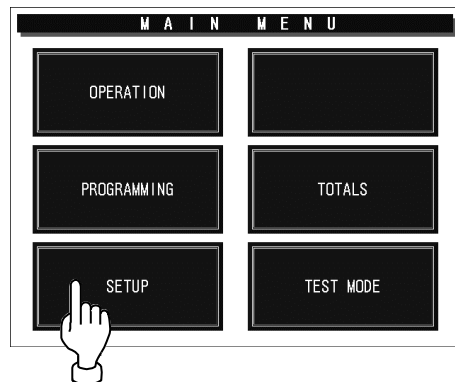


3. Wait until the initial screen appears.

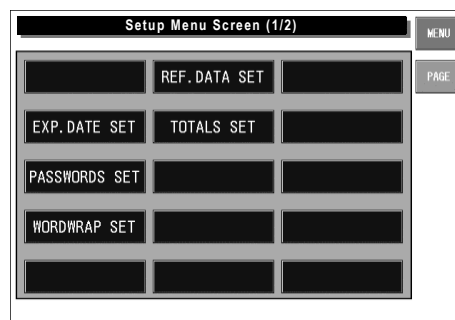
Press the [MENU] button on the screen to display the Main Menu.



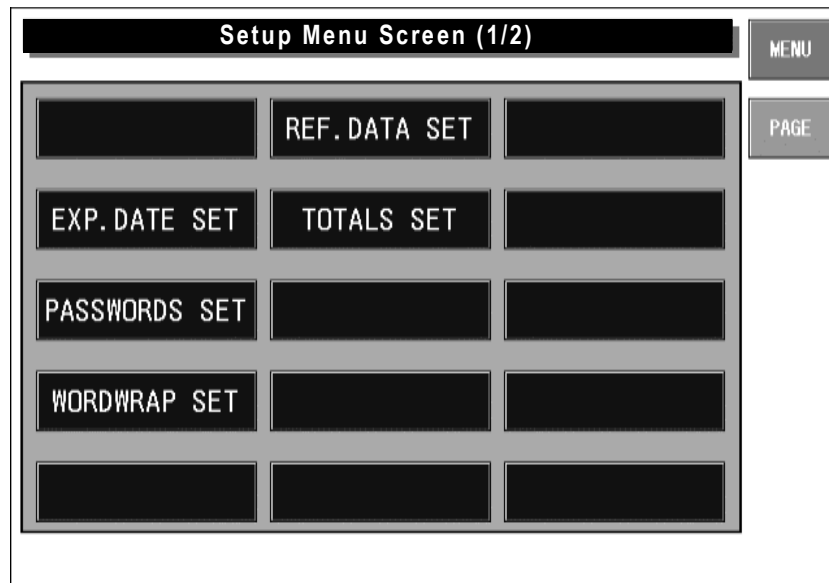
4. Press the [SETUP] button to display the Setup Menu screen.



5. The Setup Menu screen appears.



6.2 SETUP MENU



Buttons/Display Fields	Function
Expiry Date Set	Changes to the Expiry Date Setting screen. Set the expiry text change days, cutoff date text, and pack date text.
Password Set	Changes to the Password Setting screen. Set the password for entering Registration, Setup, Total, and Subtraction modes.
Wordwrap Set	Changes to the Wordwrap Width Setting screen. Set the text width in 0.1mm increments for PLU name, Message, etc. for an automatic linefeed.
Reference Data Set	Changes to the Reference Data Setup screen. Specify the operation when "Refer" is selected in the PLU registration, and set the reference data.
Total Set	Changes to the Total Add Setting screen. <ul style="list-style-type: none"> • Set whether or not to add the data to totals. • Set a maximum of 20 target commodities to be added to hourly totals. • Set the weight data type (fixed weight, actual weight) when a fixed price commodity is added to totals.
MENU	Changes to the first screen of the Setup Menu.
PAGE	Turns over the screen.

6.3 EXPIRY DATE SETTING

On this screen, set the expiry text change days, cutoff date text, and pack date text.

EXPIRY DATE SETTING

MENU

1. Set the SWITCH DAYS.
The number of days set is BEFORE SWITCH.

2. If it's necessary to change BEFORE/AFTER SWITCH, and/or letters, choose one and then use the EDIT key to edit them.

SWITCH DAYS

5 DAY(S)

SET

BEFORE SWITCH	SHELF LIFE	EDIT
AFTER SWITCH	SHELF LIFE	
PACK DATE	PACK DATE	

INPUT

Expiry Date Setting Screen

LETTER NAME (BEFORE)

RETURN

USE BY

ERASE

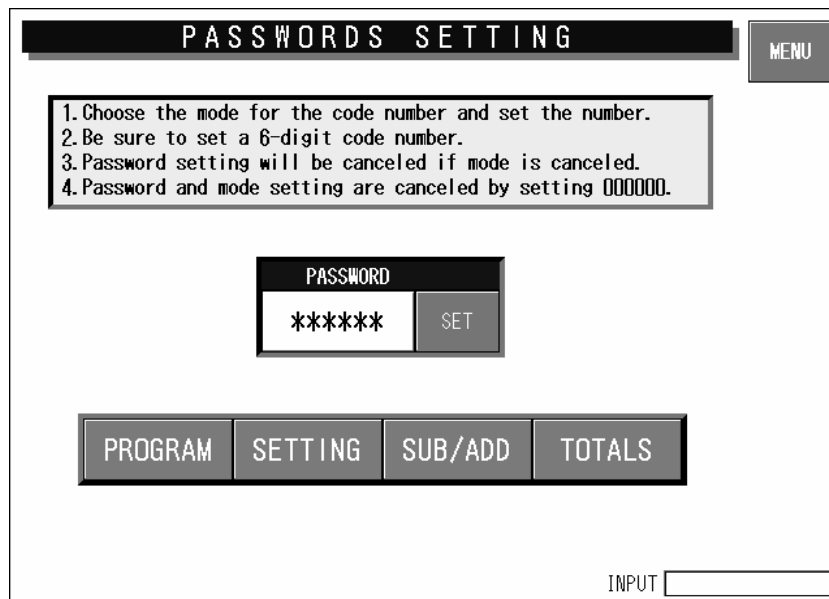
PLU No.	1	Q	W	E	R	T	Y	U	I	O	P
TOTAL CHAR	006	A	S	D	F	G	H	J	K	L	
LINE	001		Z	X	C	V	B	N	M		
REMAINING	000										
STYLE	N/N										
			\$	%	&	!	?	<	>	"	:
		SP	-	+	*	/	@	.	,	'	;
COPY	SHIFT OFF	FONT # 7	STYLE 1	DELETE	↑	BKSPACE	NEWLINE	FIX			
INSERT	BLACK	STYLE 2	←	↓	→				INPUT <input style="width: 100px;" type="text"/>		

Text Edit Screen

Buttons/Display Fields	Function
MENU	Changes to the first screen of the Setup Menu.
Switch Days	<p>Press the [SET] button after numeric entry (0-99) to set the entered data as switching days.</p> <p>When the expiry days is same as or before the "Switch Days", the text in the "Before Switch" field is printed.</p> <p>When "0" is set in this field, switching does not happen and the text in the "Before Switch" field is printed.</p>
Before Switch	<p>Selects "Before Switch" field and the field color changes yellow.</p> <p>Press the [EDIT] button to display the text edit screen.</p> <p>Up to 6 characters can be registered.</p>
After Switch	<p>Selects "After Switch" field and the field color changes yellow.</p> <p>Press the [EDIT] button to display the text edit screen.</p> <p>Up to 6 characters can be registered.</p>
Pack Date	<p>Selects "Pack Date" field and the field color changes yellow.</p> <p>Press the [EDIT] button to display the text edit screen.</p> <p>Up to 6 characters can be registered.</p>

6.4 PASSWORD SETTING

On this screen, set the password for entering Registration, Setup, Total, and Subtraction modes.



Password Setting Screen

Buttons/Display field	Function
MENU	Changes to the first screen of the Setup Menu.
Password	Set the password data by pressing this button after 6-digit numeric entry. Press this button after "000000" entry to cancel the password and the mode selection. Only one password can be registered.
Mode Selection Buttons	Press the desired button(s) to select the mode that requires the password entry. The selected mode button becomes blue.

6.5 WORDWRAP WIDTH SETTING

On this screen, set the text width in 0.1mm increments for PLU name, Message, etc. for an automatic linefeed.

WORD WRAP WIDTH SETTING MENU

1. Input number then push the "SET" button.
2. Be sure to input a 3~4 digit number.
Note: For 60mm and 64mm Set as 600.

PLU NAME: 570 SET

EXTRA MSG2 WIDTH: 200 SET

EXTRA MSG3 WIDTH: 200 SET

EXTRA MSG2 PITCH: 2 SET

EXTRA MSG3 PITCH: 2 SET

INPUT

Wordwrap Width Setting Screen

Buttons/Display Fields	Function
MENU	Changes to the first screen of the Setup Menu.
PLU Name	Enter a numeric value (1-9999) and press the [SET] button to set the entered value (unit: 0.1mm) as a wordwrap width value.
Extra Message 1,2 Width	Enter a numeric value (1-9999) and press the [SET] button to set the entered value (unit: 0.1mm) as a wordwrap width value.
Extra Message 1,2 Pitch	Enter a numeric value (1-99) and press the [SET] button to set the entered value (unit: 0.1mm) as a gap between characters.

6.6 REFERENCE DATA SETUP

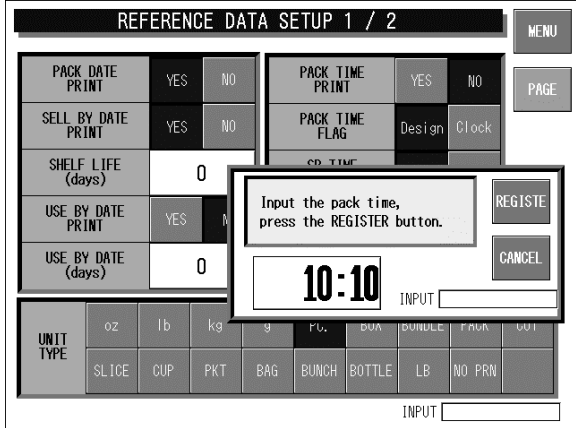
On this screen, specify the operation when “Refer” is selected in the PLU registration, and set the reference data.

REFERENCE DATA SETUP 1 / 2									
PACK DATE PRINT	YES	NO							
SELL BY DATE PRINT	YES	NO							
SHELF LIFE (days)	0								
USE BY DATE PRINT	YES	NO							
USE BY DATE (days)	0								
UNIT TYPE	oz	lb	kg	g	PC.	BOX	BUNDLE	PACK	CUT
	SLICE	CUP	PKT	BAG	BUNCH	BOTTLE	LB	NO PRN	

Reference Data Setup 1/2 Screen

REFERENCE DATA SETUP 2 / 2		
OPEN PRICE SELECT	ON	OFF
STANDARD TARE	0.000kg	
LOGO #1	0	
LOGO #2	0	
LOGO #3	0	

Reference Data Setup 2/2 Screen

Buttons/Display Fields	Function
MENU	Determines the settings and returns to the first screen of the Setup Menu.
PAGE	Turns over the screen.
Pack Date Print	Press "YES" or "NO" to set whether to print the Pack Date or not. This setting is effective only when "REFFER" is specified by the Pack Date Print setting in the PLU registration.
Sell By Date Print	Press "YES" or "NO" to set whether to print the Sell By Date or not. This setting is effective only when "REFFER" is specified by the Sell By Date Print setting in the PLU registration.
Shelf Life (days)	Enter a numeric value (0-9999) and press this field to set the entered value as the Shelf Life data. This setting is effective only when "REFFER" is specified by the Shelf Life Date Print setting in the PLU registration.
Use By Date Print	Press "YES" or "NO" to set whether to print the Use By Date or not. This setting is effective only when "REFFER" is specified by the Use By Date Print setting in the PLU registration.
Use By Date (days)	Enter a numeric value (0-9999) and press this field to set the entered value as the Use By Date data. This setting is effective only when "REFFER" is specified by the Use By Date print setting in the PLU registration.
Pack Time Print	Press "YES" or "NO" to set whether to print the Pack Time or not. This setting is effective only when "REFFER" is specified by the Pack Time Print setting in the PLU registration.
Pack Time Flag	Specify the pack time to be used. Clock: Use the system clock. Designated: Use the time designated on the following screen. 
Sell By Time Print	Press "YES" or "NO" to set whether to print the Pack Time or not. This setting is effective only when "REFFER" is specified by the Pack Time Print setting in the PLU registration.
Sell By Time Flag	Not used
Unit Type	Set the unit type of quantity data for fixed price items. This setting is effective only when "REFFER" is specified by the Unit Type setting in the PLU registration.

Buttons/Display Fields	Function
Open Price Select	Select whether or not to allow price change in Normal Mode. This setting is effective only when "REFFER" is specified by the Open Price setting in the PLU registration.
Standard Tare	Set the standard tray weight. Enter a numeric value (max. 3 digits) and press this field, then the entered data becomes the standard tray weight. This setting is effective only when "REFFER" is specified by the Forced Tare setting in the PLU registration.
Logo #1, #2, #3	Enter a numeric value (max. 3 digits) and press this field, then the entered data becomes the logo data. This setting is effective only when "REFFER" is specified by the Logo setting in the PLU registration.

6.7 TOTAL SET

TOTAL ADD SETTING		MENU
<ul style="list-style-type: none"> * Select ADD or NON ADD for each totals. * Select the weight addition mode of fixed price PLU. * Press [SPECIFY] key to designate PLU for the total time zone is possible. (Designation screen is displayed.) * Daily Total Auto Clear: YES clears daily total when 1st power on 		ITEM SPECIFY
Daily Total		
NON ADD ADD		
Accumulative Total		Periodical Total
NON ADD ADD		NON ADD ADD
Time Zone Total		Daily Total Auto Clear
NON ADD ADD		NO YES
Tray Total		Fixed Pri PLU Weight Addition Mode
NON ADD ADD		FIXED WEIGHT REAL WEIGHT

Total Add Setting Screen

TIME ZONE SET FOR INDIV. PLU		CONFIRM
PLU LIST		
000001	TEST ITEM 0001	▲
000002	TEST ITEM 0002	▲
000003	TEST ITEM 0003	▼
		▼
		▼
INDIVIDUAL PLU BY TIME ZONE		
		▲
		▲
		▼
		▼
		▼
Press [ADD] key to register the selected PLU. INPUT		ADD
		DELETE
		CANCEL

Time Zone Set for Individual PLU Screen

Buttons/Display Fields	Function
Menu	Determines the settings and returns to the first screen of the Setup Menu.
Daily Total	Select whether or not to add the data to Daily Total. The selected button color will change to blue. This is not displayed at a satellite machine in master/satellite specification.
Accumulative Total	Select whether or not to add the data to Accumulative Total. The selected button color will change to blue. This is not displayed at a satellite machine in master/satellite specification.
Periodical Total	Select whether or not to add the data to Periodical Total. The selected button color will change to blue. This is not displayed at a satellite machine in master/satellite specification.
Time Zone Total	Select whether or not to add the data to Time Zone Total. The selected button color will change to blue. This is not displayed at a satellite machine in master/satellite specification.
Daily Total Auto Clear	Select whether or not to clear Daily Total when turning off the machine. The selected button color will change to blue. This is not displayed at a satellite machine in master/satellite specification.
Tray Total	Select whether or not to add the data to Tray Total. The selected button color will change to blue. This is not displayed at a satellite machine in master/satellite specification.
Fixed Price PLU Weight Addition Mode	Select to add either "Fixed Weight" or "Real Weight" for a fixed price item to total. The selected button color will change to blue.
ITEM SPECIFY	Displays the Time Zone Set For Individual PLU screen.
CONFIRM	Determines the settings and returns to the Total Add Setting Screen. Clears the existing Daily PLU Time Zone Total.
CANCEL	Cancels the settings and returns to the Total Add Setting Screen.
ADD	Add a commodity to target commodities by pressing this button after selecting the desired PLU or entering the PLU number.
DELETE	Delete a commodity from target commodities by pressing this button after selecting the PLU to be deleted.

