IP-AI

Prepack Scale & Printer

Operation Manual

RICE LAKE RETAIL SOLUTIONS | ISHIDA

PN 177839

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www.ricelake.com

IMPORTANT NOTICE

Thank you for purchasing the ISHIDA IP-AI.
This manual explains the procedures to install, operate, and maintain the machine.

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

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

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

CHANGE IN SPECIFICATIONS

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

ERRORS AND OMISSIONS

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

LIMITATIONS OF LIABILITY

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

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

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

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

SIGNAL WORDS (TYPES & MEANING)

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

Signal	Meaning
WARNING	Indicates a potentially hazardous situation, which, if not avoided, will result in severe injury or death.
CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury or in property damage.

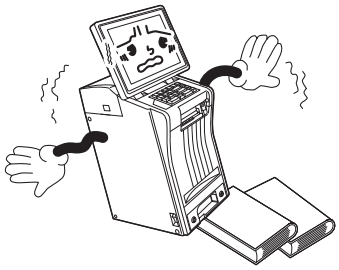
NOTE	Indicates information that needs to be noted or emphasized.
INFORMATION	Indicates reference information when performing an operation.
REFERENCE	Indicates the reference page related to performance of an operation.

PRECAUTIONS FOR USE

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

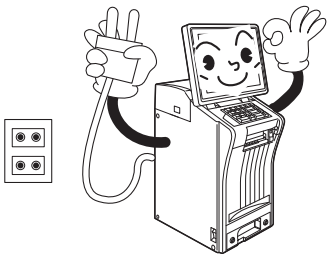
WARNING

- **Be sure to install the printer unit and the weighing unit on level ground.**



Install the four rubber feet of the printer unit on the mount.
Accurate weighing cannot be made if the weighing unit is not horizontally installed.
If the printer unit or the weighing unit falls over, it may result in injury.

- **Always use the specified voltage.**

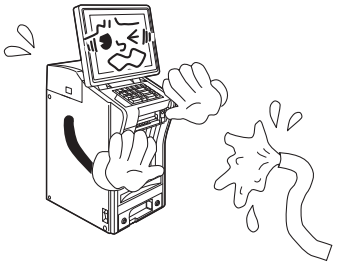


  - Prepare a dedicated power source and always use a power supply with rated voltage. Never connect the machine power input with an AC power supply exceeding the rated voltage.
  - To avoid any potential electrical shock, ensure that the protective ground wire is connected to the main grounding provision.
  - A power supply that generates voltage variation may cause a malfunction, or using the machine outside of the rated voltage may result in machine failure or danger such as electric shock.
  - The equipment disconnect device is considered to be: Plug, Appliance inlet.
  - Replacement of fuses is limited only by service personnel. Service personnel should refer to service documentation for instructions for the replacement.
  - Replacement of Battery is limited only by service personnel.

  <u>* To Service personnel:</u>

  Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

- **Ensure that the printer unit, display unit and terminals do not come into contact with water.**

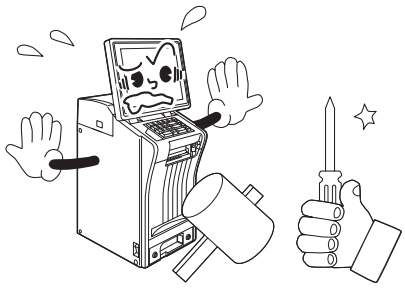


If water comes in contact with these units or terminals, this may cause a fire.

⚠ WARNING

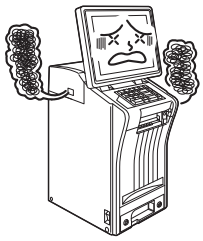
- **As this is a precision machine, do not apply sudden shock to the machine.**

  Do not disassemble the machine as this may result in a break-down.



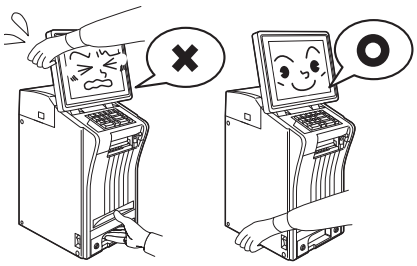
- **If an abnormal condition such as burning smell occurs, discontinue use immediately and unplug the power cable from the outlet.**

  Continuing to use the machine with an abnormality could lead to fire or failure. Discontinue use immediately and contact your ISHIDA dealer.



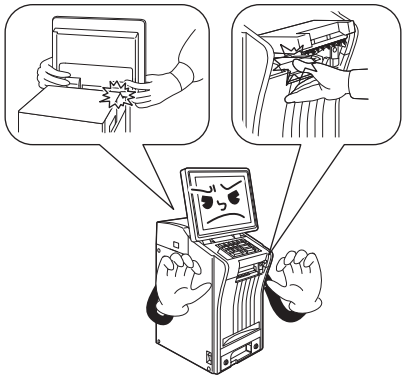
- **When transporting the machine, be sure to hold the bottom of the machine.**

  Failure to do so could result in malfunction.



- **Be careful not to get your finger caught.**

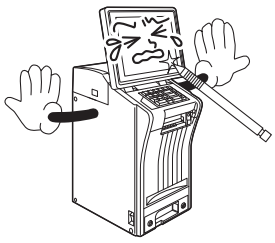
  It is dangerous to adjust the angle of the display unit or push the label set unit into the machine while putting your hand at the position shown in the figure.



⚠ CAUTION

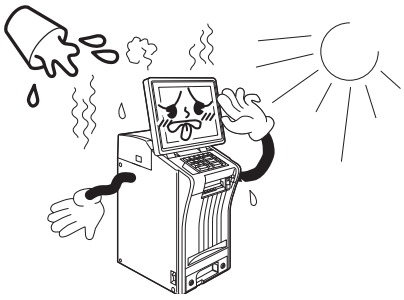
- **Do not touch the touch panel with sharp objects.**

  This may cause the touch panel screen to become damaged and lead to abnormal function of the touch panel.



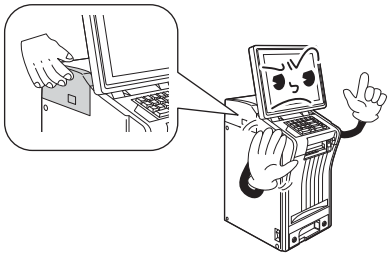
⚠ CAUTION

- **Avoid installing in the following locations where deterioration in performance, or shortened life may result.**
  - **Locations subject to low temperature and low humidity, or high temperature and high humidity**
  - **Locations exposed to direct sunlight**
  - **Locations subject to splashing water.**
  - **Locations in a special environment different from usual**



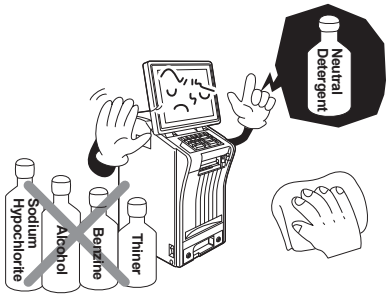
- **Do not remove the side cover of the printer unit.**

  Doing so may result in malfunction or break-down of the machine.

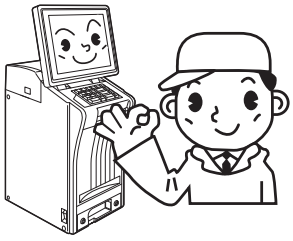


- **When cleaning, wipe the machine using a cloth wrung out of water or neutral detergents.**

  Do not use thinners as they may lead to failure, malfunction or deformation.
  Do not spray water or detergent solution over the machine.

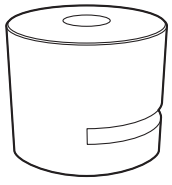


- **Entrust the installation of the machine to your ISHIDA dealer.**



- **Perform a start-up inspection (weighing check) using a weight or the like once a day.**

  For the purchase of weights, please contact your ISHIDA dealer.



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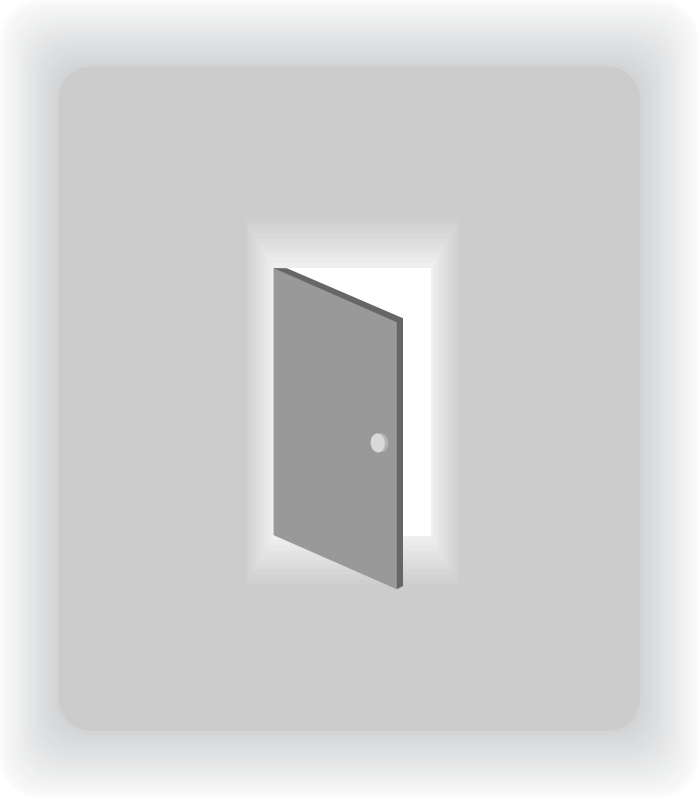


CHAPTER 1

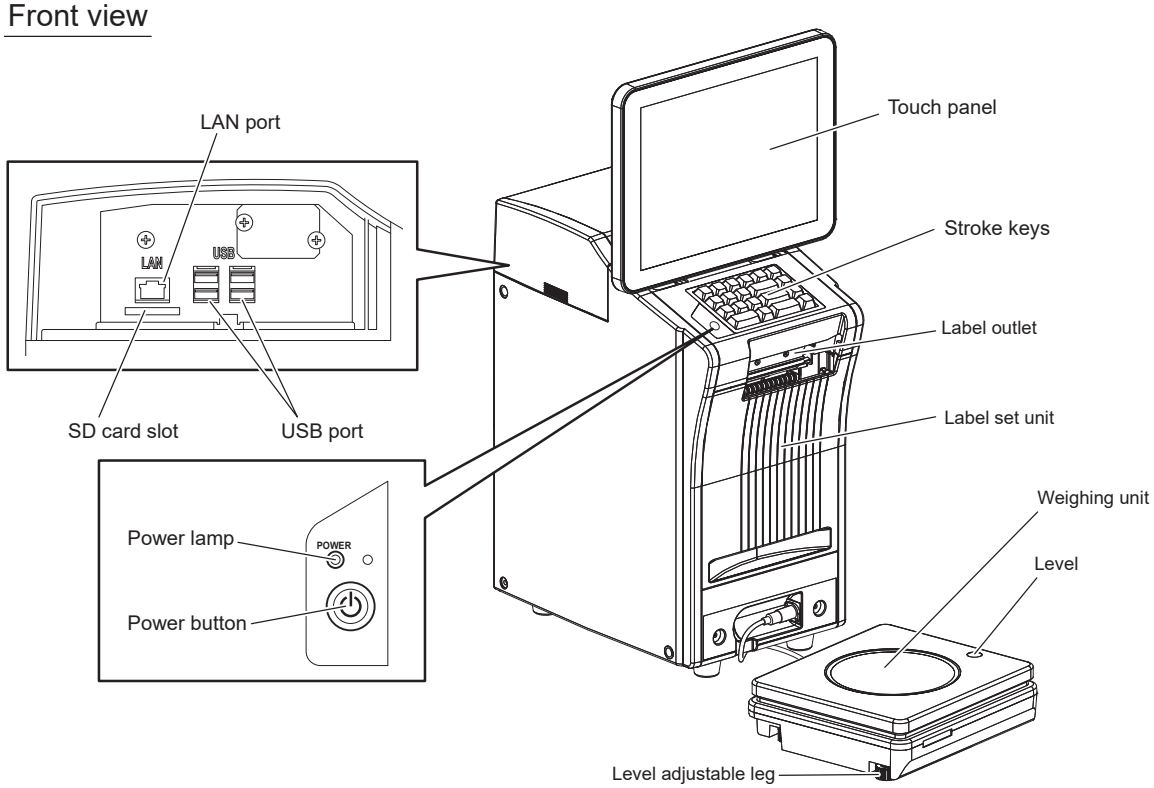
BEFORE USING THE MACHINE

1.1 PART NAMES AND FUNCTIONS

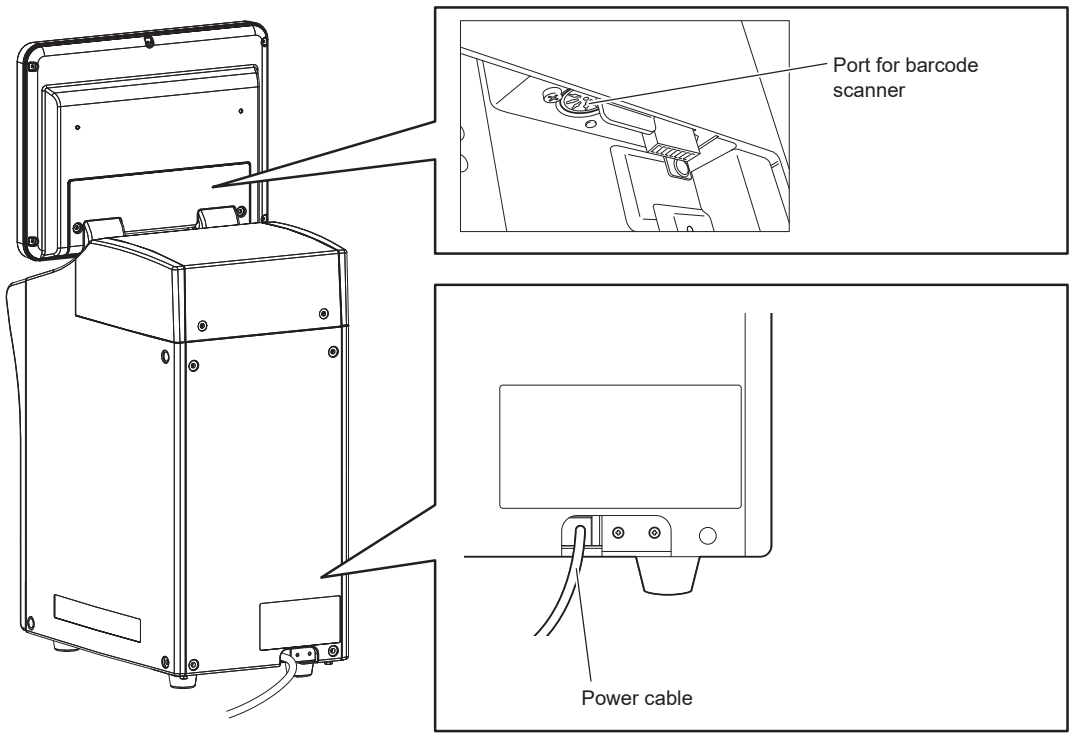
This section provides a description of the name and function of each part of the machine.
The names and functions of each part of the machine are explained below.
In this manual, the following names for each part are used.

1.1.1 EXTERNAL APPEARANCES

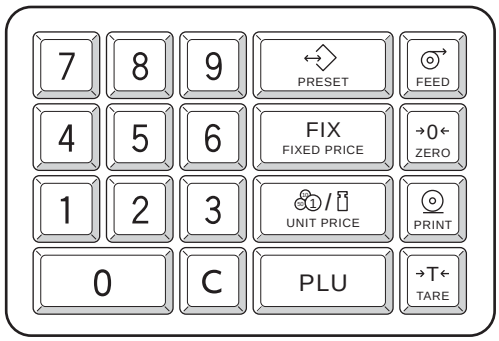
Front view



Rear view



1.1.2 STROKE KEYS



PRESET	Used to change the fixed price, or change the unit price item to the fixed price item.
FIX FIXED PRICE	Used for changes in the fixed price, or changes from a unit price item to a fixed price item.
UNIT PRICE	Used for changes in the unit price, or changes from a fixed price item to a unit price item.
PLU	Used to call pre-registered data such as items, POPs, and comments.
C	Used to delete the entered numerical data, or reset the error.
FEED	Used to feed a label.
→0← ZERO	Used to correct the zero point of the weighing unit.
PRINT	Used to issue a label.
→T← TARE	Used to change the weight of inserts in a tare.

1.2 USABLE LABELS

Be sure to use specified labels adaptable to the machine.

Adaptable label condition : For full-auto (transfer labels)
Label roll diameter : φ224 mm or less
Label horizontal dimension : 20 to 80 mm
Label vertical dimension : 20 to 150 mm

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

1.3 PREPARATION BEFORE OPERATION

This section describes the methods of confirming accessories, checking the machine before operation, and turning the machine on.

1.3.1 CHECK BEFORE OPERATION

⚠ CAUTION

When performing checks before commencing the work, be sure to turn off the main power switch. Turn on the power only when checking the operation.

Be sure to check the following points before operation so the machine can be constantly kept in good condition.

Check Points	Measures to be taken
Dirt on the weighing platter, level window, display, and stroke keys	Wipe off dirt with a fully wrung-out soft cloth.
Dirt on the thermal head	Remove extraneous matters such as dust and labels and wipe them off with the thermal head cleaner. For details, see “Cleaning” on Page 1-10.
Dirt on the roller of the label set unit	
Dirt on the peeling sensor	
Dirt on the label set unit	Remove extraneous matters such as dust and labels.
Horizontal installation of the weighing unit	Adjust the weighing unit to become horizontal by turning the lock nut of each level adjustable leg.
Rattling of the machine	Place four rubber feet on the horizontal mounting surface.
Confirmation of the weighing state	Confirm that weighing is performing normally.
Label paper feeding state	Adjust the print position by pressing the [FEED] key.

1.3.2 MARKING A HORIZONTAL ADJUSTMENT

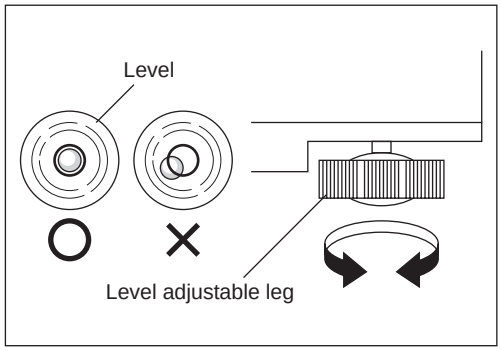
Use the following procedure when making a horizontal adjustment for the machine,

NOTE

Accurate weighing cannot be made if the weighing unit is not horizontally installed.

1. **Install the machine at a stable and level location.**

Adjust the weighing unit to become horizontal by turning the lock nut of each level adjustable leg so that an air bubble in the level becomes centered.



1.3.3 COMFIRMING THE WEIGHING STATE

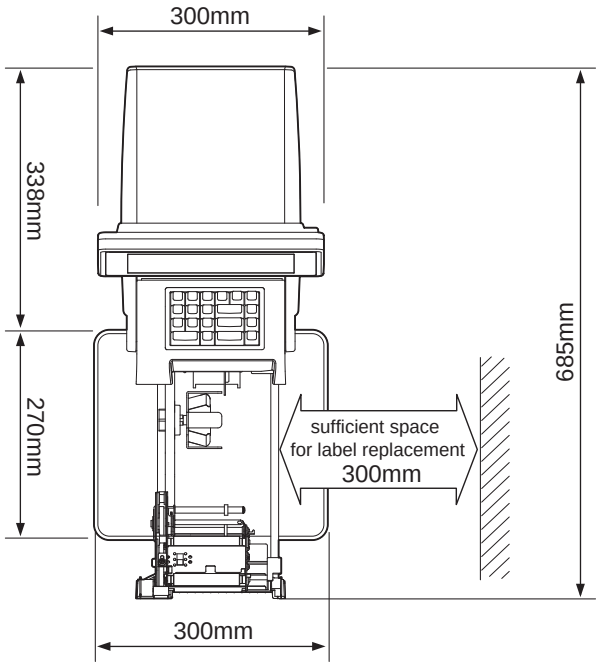
CAUTION

If weighing is not performing normally, consult your ISHIDA dealer.

1. Turn on the power and confirm that weighing is performing normally by putting the weight on the platter while the normal operation screen is being displayed.

1.3.4 PROVIDING SUFFICIENT INSTALLATION SPACE

Provide sufficient space at the right side of the machine for label replacement.



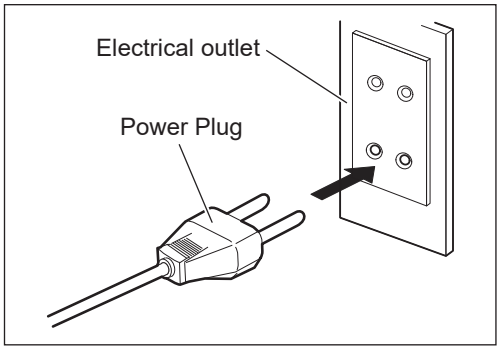
1.3.5 TURNING ON THE POWER

WARNING

Avoid overloading from a single electrical outlet for power supply and other cables. Otherwise it may cause a fire.

1. Insert the power plug of the power cable properly into the outlet after making sure that the machine's power switch is turned OFF.

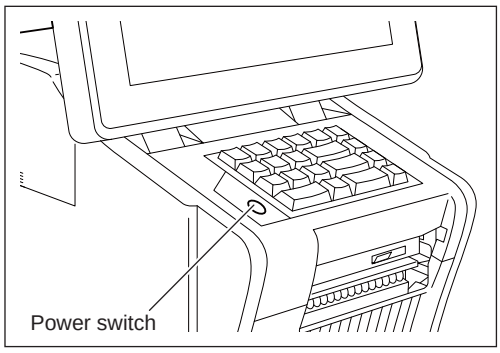
The shape of the power plug is different depending on the specifications in each country.



2. Ensure that nothing has been placed on the weighing platter.

3. Push the power button to turn the power ON.

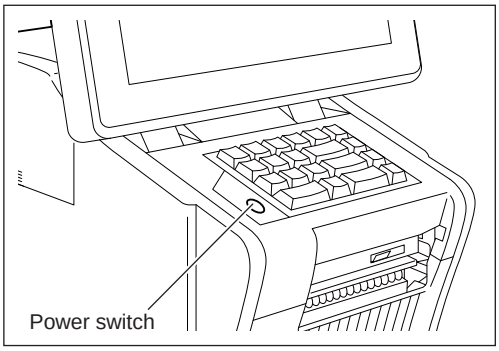
The opening screen is displayed, and the normal operation screen will be displayed after a little while.



1.3.6 TURNING OFF THE POWER

1. Press the power button.

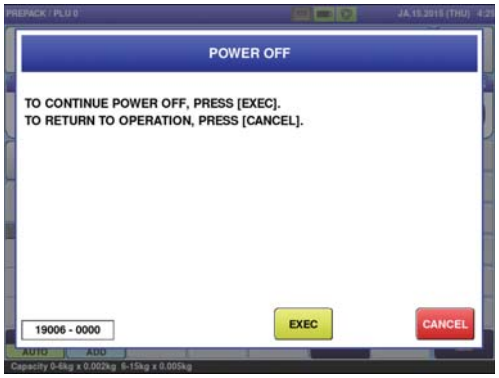
The power-off execution confirmation screen is displayed.



2. Touch [EXECUTE] on the power-off execution confirmation screen.

EXEC

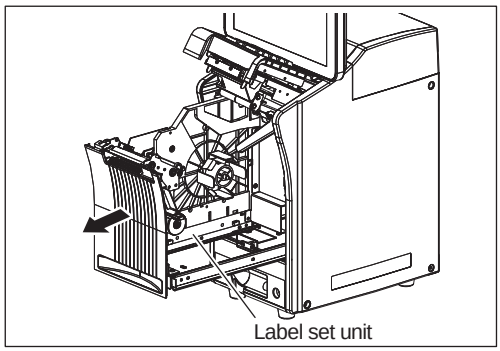
The printer unit automatically turns off.



1.4 INSTLLING A NEW LABEL ROLL

This section describes the method of installing a new label roll when issuing peeled labels.

1. Pull out the label set unit.

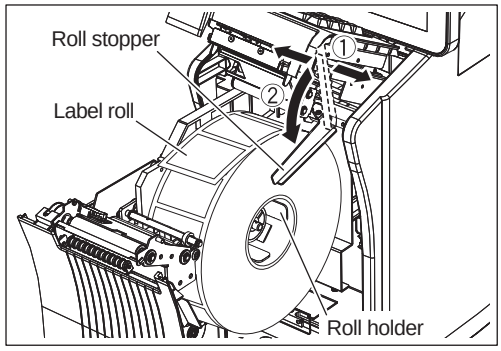


CAUTION

Ensure there is a clearance ranging from 1 mm to 5 mm between the label roll and the roll stopper, and the label roll can be lightly rotated.

2. Put a new label roll on the roll holder and fasten it with the roll stopper.

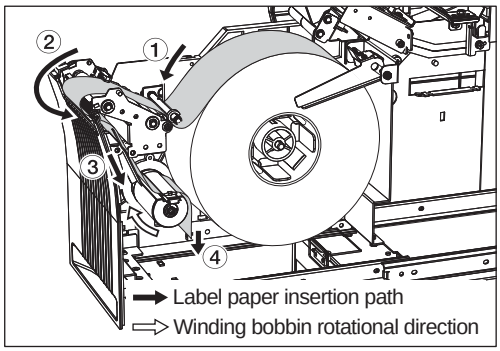
2-1 Set a new label roll on the roll holder while lifting the roll stopper, and slide the stopper to fit the width of the label.
2-2 Lower the roll stopper and lock the label roll.



INFORMATION

At this time, it is recommended to slightly bend the tip of the label backing paper for smoother passage.

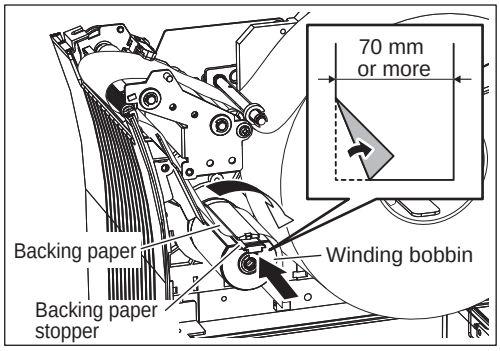
3. Pass the tip of the label paper through the printer as shown in the illustration.



CAUTION

When the width of the label is 70 mm or more, bend the tip of the backing paper as shown in the figure.

4. Fix the leading edge of the label paper with the backing paper stopper, and lightly turn the winding bobbin clockwise to remove the slack.



CAUTION

Make the space between the label guide and the label backing paper as small as possible.

INFORMATION

When the first label is set at the position as shown in the figure on the right,
the number of labels issued at the time of feeding is reduced.

CAUTION

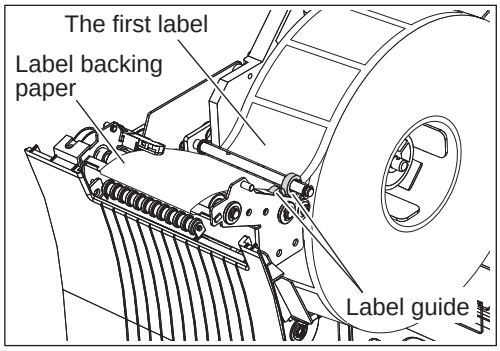
Push the label set unit into the machine after making sure that the roll stopper has been completely lowered.

CAUTION

Push the label printer carefully so as not to get your fingers, etc. caught between the label set unit and the main body.

5. Adjust the width of the label guide.

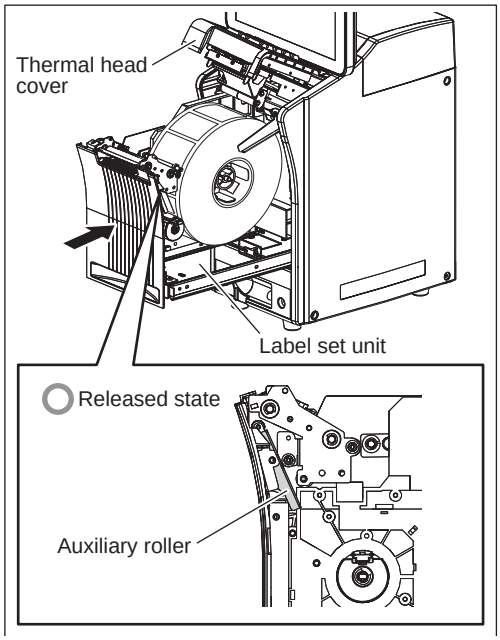
Slide the label guide to fit the width of the label backing paper.



6. Push the label set unit into the main body until it clicks into place.

Push the label set unit straight into the machine.

Note: If the cassette cannot be normally inserted when pushing the label set unit into the machine, check that the auxiliary roller is released.

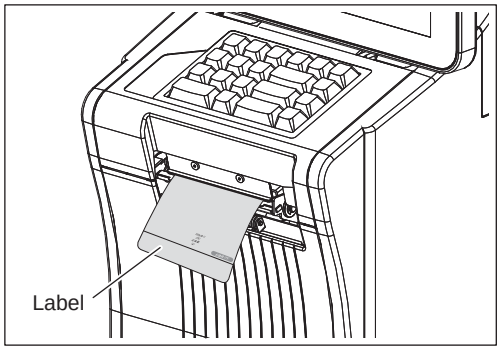


7. Press the [FEED] key.

FEED

A label is fed and the peeling position is determined.
Press the FEED key several times when one label is not completely peeled off.

Note: Confirm that the backing paper is smoothly wound.If the backing paper is not normally wound, reconfirm the way of threading the label paper, label stop position by the backing paper stopper, and width of the label guide.



1.5 CLEANING

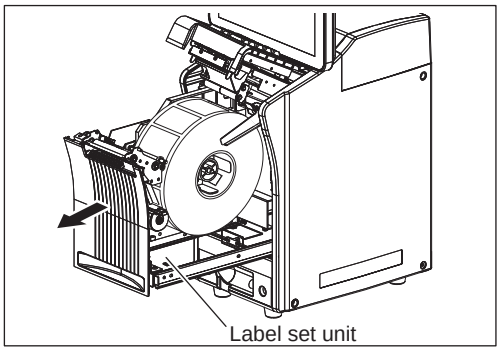
Perform cleaning once a week to maintain excellent printing clarity and successful label issuance.

1.5.1 CLEANING OF THERMAL HEAD, LABEL ROLLER, AND PEELING SENSOR

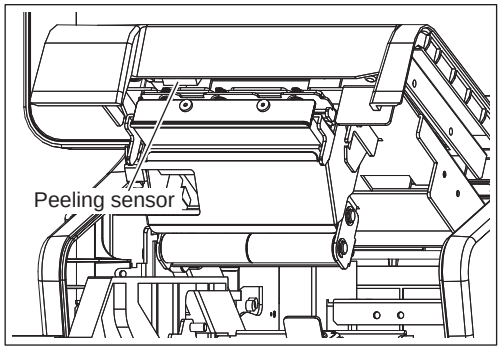
INFORMATION

If the bottom of the label set unit is dirty, wipe off and remove dirt with a cloth wrung out of water.

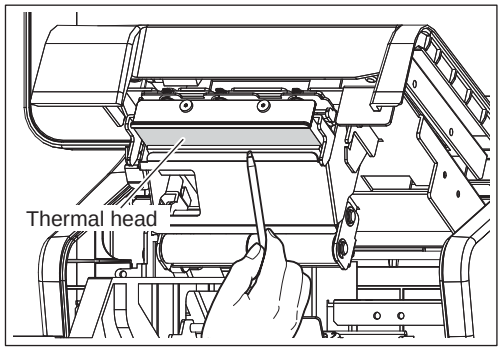
1. Pull out the label set unit.



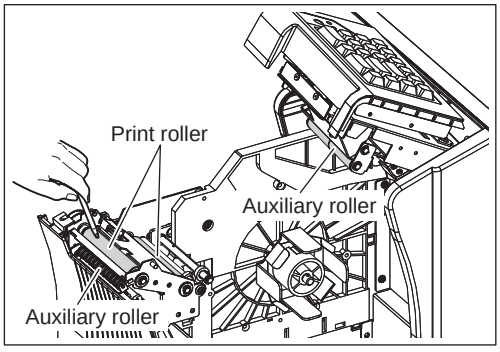
2. Dip the attached felt tip pen in the cleaning solution, and lightly wipe the surface of the peeling sensor with the pen.



3. In the same way, dip the attached felt tip pen in the cleaning solution, and lightly wipe the surface of the thermal head with the pen.



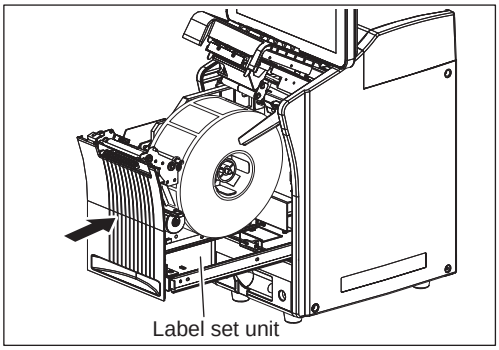
4. In the same way, dip the attached felt tip pen in the cleaning solution, and lightly wipe the surfaces of the print roller and auxiliary roller with the pen.



CAUTION

Push the label set unit carefully so as not to get your fingers, etc. caught between the label set unit and the main body.

5. Push the label set unit into the main body until it clicks into place.



Memo

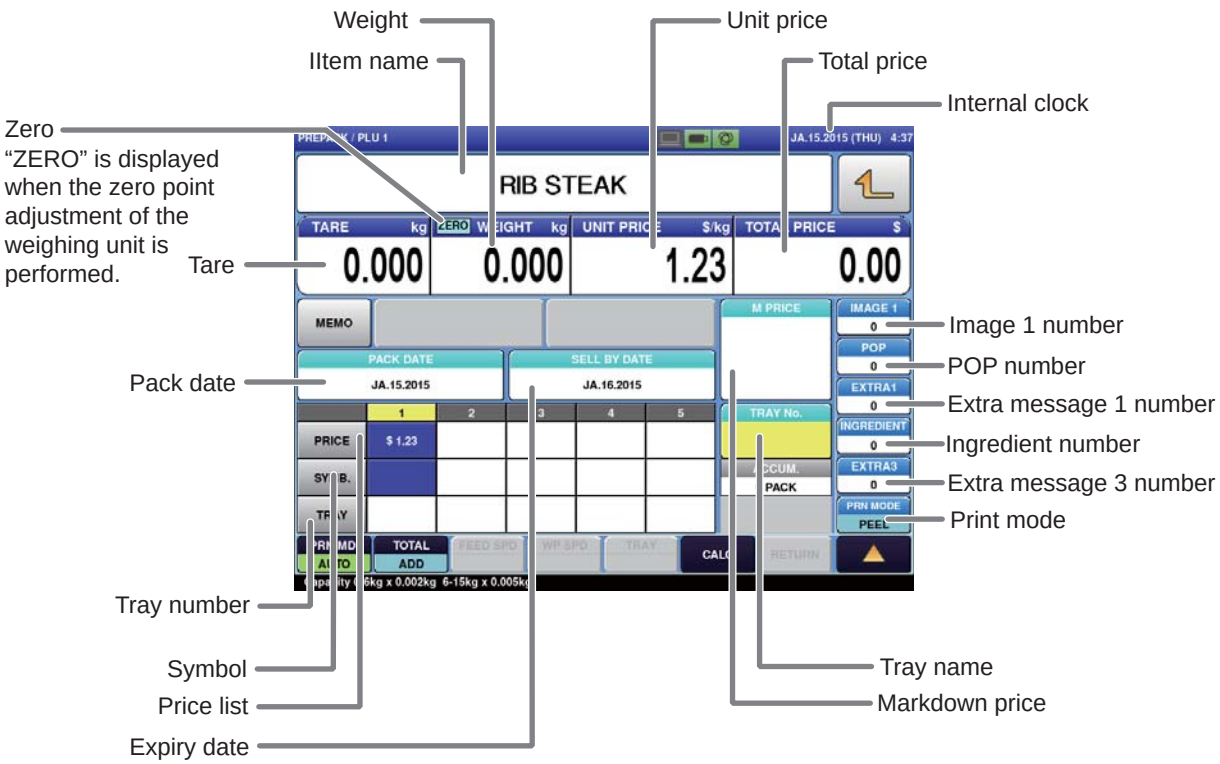
CHAPTER 2

BASIC OPERATIONS

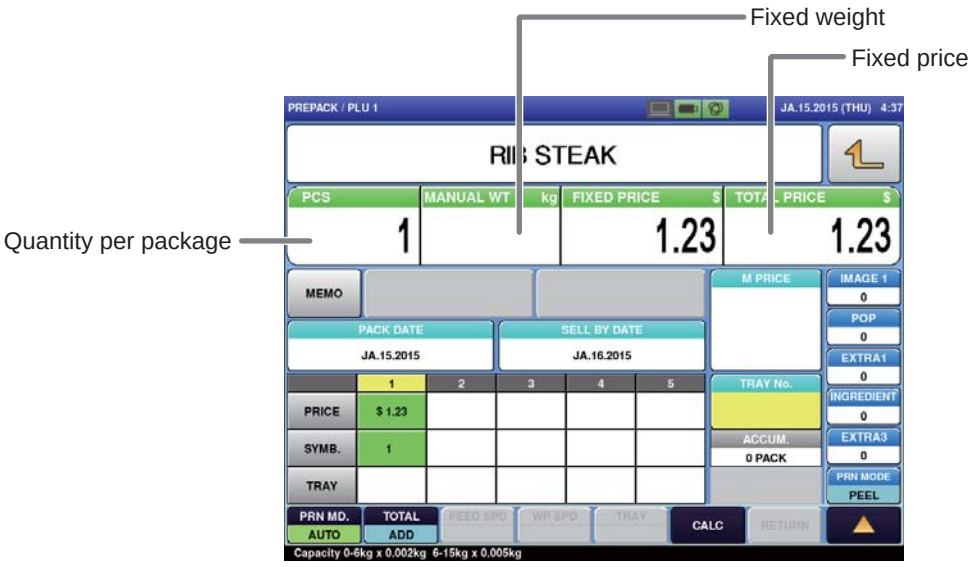
2.1 EXPLANATION OF PRODUCTION MODE SCREEN

2.1.1 DISPLAY FIELDS ON THE INITIAL SCREEN

■ SCREEN FOR WEIGHING ITEMS

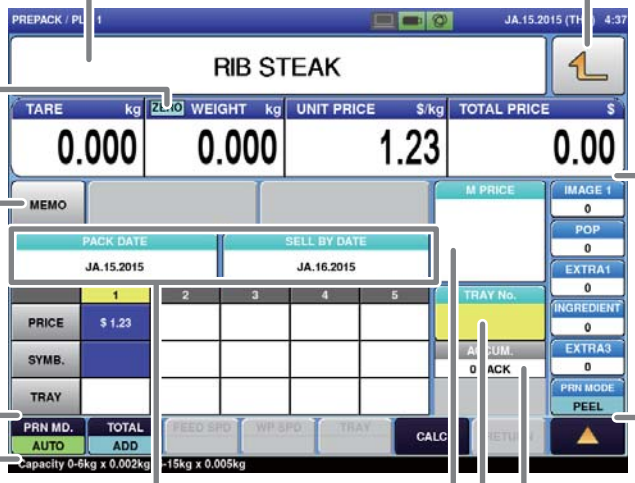


■ SCREEN FOR FIEXED PRICE ITEMS



2.1.2 TOUCH KEYS ON THE INITIAL SCREEN

■SCREEN FOR WEIGHING ITEMS



■SCREEN FOR FIXED PRICE ITEMS

2.2 WEIGHING AND LABEL ISSUING

2.2.1 MANUAL LABELING

[Example] Weigh the item “RIB STEAK” registered in Item No.1, and issue the label.

CAUTION

Gently press the touch panel with your finger. Do not use sharp objects such as your nail and mechanical pencil tip when touching the touch panel. Doing so may cause damage to the touch panel.

1. Enter the item call-up number from the initial screen state.

[1] [PLU]

The data such as the name and unit price of “RIB STEAK” is called up on the screen.

CAUTION

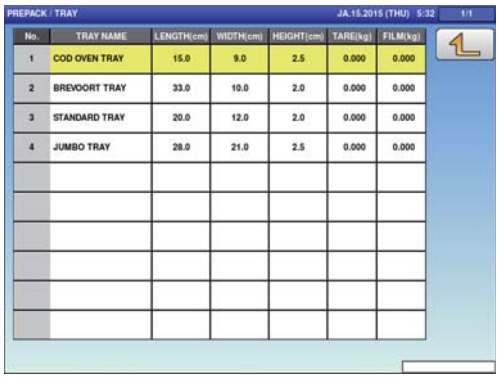
Enter the tray number in the list if the tray to be used is not displayed in the list.

Touch the blank field.

2. Specify the tray to be used for tare weight subtraction.

[3]

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



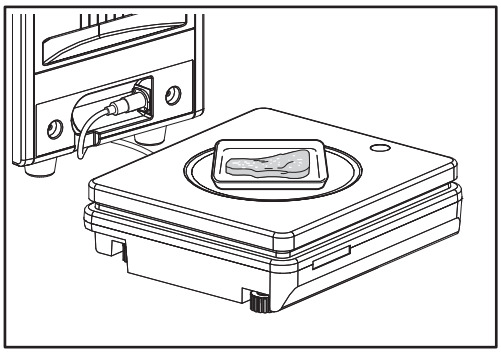
INFORMATION

For a fixed price item, press [PRINT] to issue labels continuously. To cancel the issuance of labels, press [C] (Clear).

3. Place a wrapped item on the weighing unit.

The item is weighed and the label is issued.

Take up the issued label from the top of the weighing unit and stick it on the item manually.

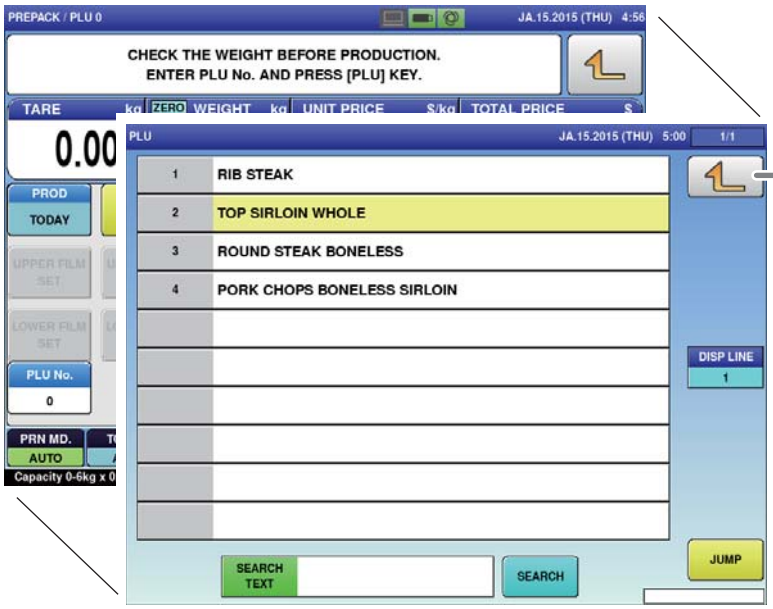


CHAPTER 3

USEFUL FUNCTIONS

3.1 CALL UP THE ITEM DATA FROM THE DISPLAYED LIST

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



Closes the item list screen without selecting an item.

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

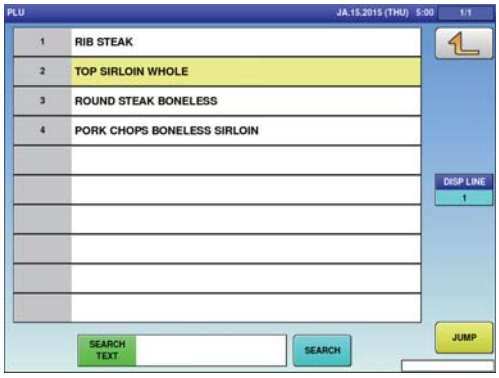
INFORMATION

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

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

2 | PLU No.

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



INFORMATION

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

2. Touch the display field of “ROUND STEAK BONELESS”.

3	ROUND STEAK BONELESS

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

3.1.1 SEARCH FOR THE ITEM AND CALL IT UP

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

1. Touch [PLU No.]

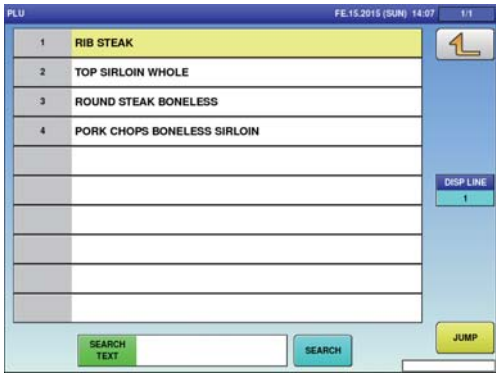
PLU No.
0

The production (item list) screen is displayed.

2. Touch the search text field.

SEARCH TEXT

The character input screen is displayed.



INFORMATION

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

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

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

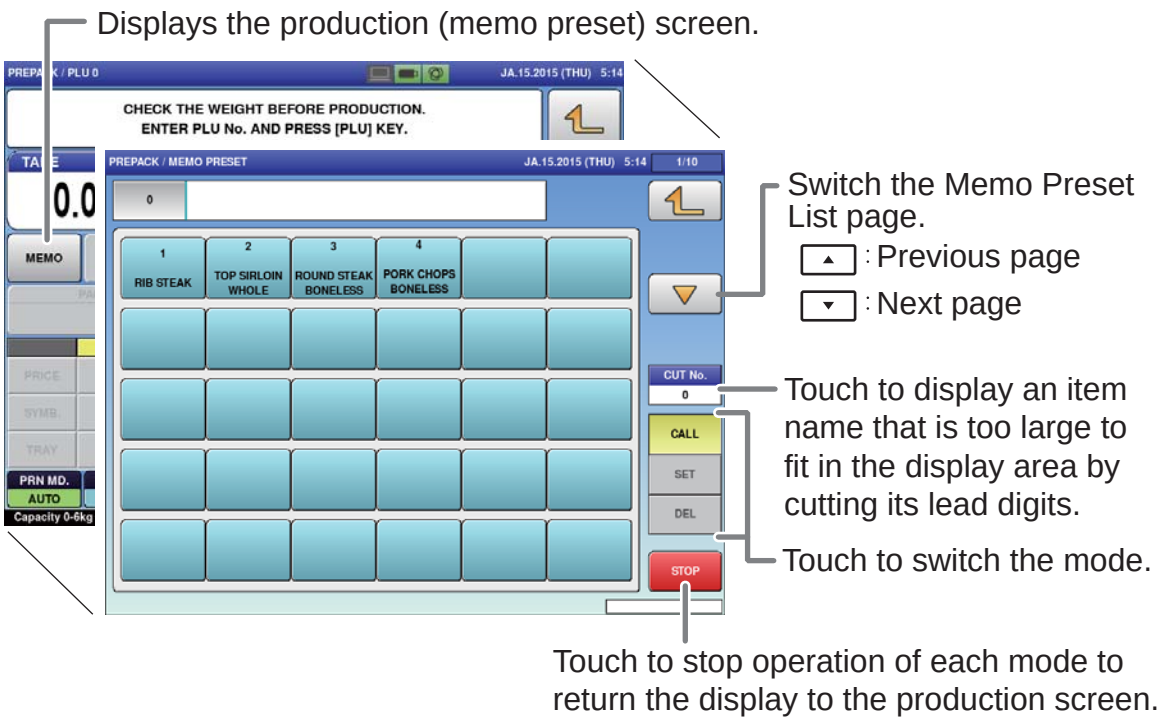
4. Touch [SEARCH] on the production (item list) screen.

SEARCH

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

3.2 CALLING ITEM DATA WITH MEMO PRESET KEYS

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



3.2.1 REGISTERING MEMO PRESET KEYS

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

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

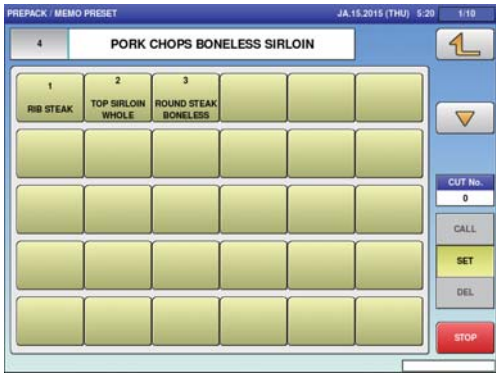
MEMO

The production (memo preset) screen is displayed.

2. Touch [SET].

SET

Memo preset registration mode screen appears.



CAUTION

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

INFORMATION

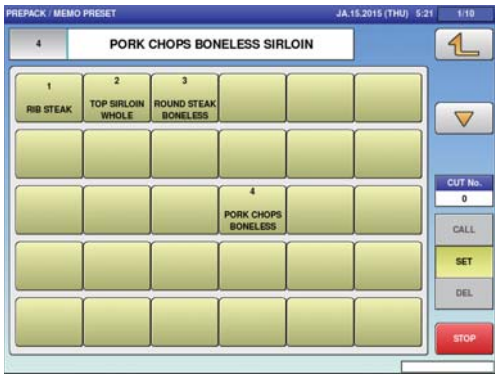
The memo preset key can also be registered by pressing the memo preset key after numerical entry.

8 [ ]

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

[ ]

The memo preset key has been registered.



3

3.2.2 CALL UP THE ITEM BY USING THE MEMO PRESET KEY

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

1. **Touch [MEMO].**

MEMO

The production [memo preset] screen is displayed.

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

3
ROUND STEAKE
BONRESS

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

3.3 CHANGE AND ADDITION OF ITEM DATA

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

3.3.1 CHANGE THE UNIT PRICE

[Example] Change the unit price from $1.23 to $2.00.

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

2 0 0

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

INFORMATION

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

2. Press the [UNIT PRICE] stroke key.

UNIT PRICE

The unit price has been changed.

INFORMATION

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

FIX FIXED PRICE

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

FIX FIXED PRICE

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

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

UNIT PRICE

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

3.3.2 ENTER THE TRAY NUMBER IN THE TRAY FIELD OF THE PRICE LIST

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

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

REFERENCE

See page 4-14 for “Tray Registration”.

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

The numerical value "3" is displayed in the field.

CAUTION

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

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

3.3.3 ENTER THE SELLING PRICE IN THE PRICE FIELD OF THE PRICE LIST

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

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

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

5 0 0

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

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

3

INFORMATION

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

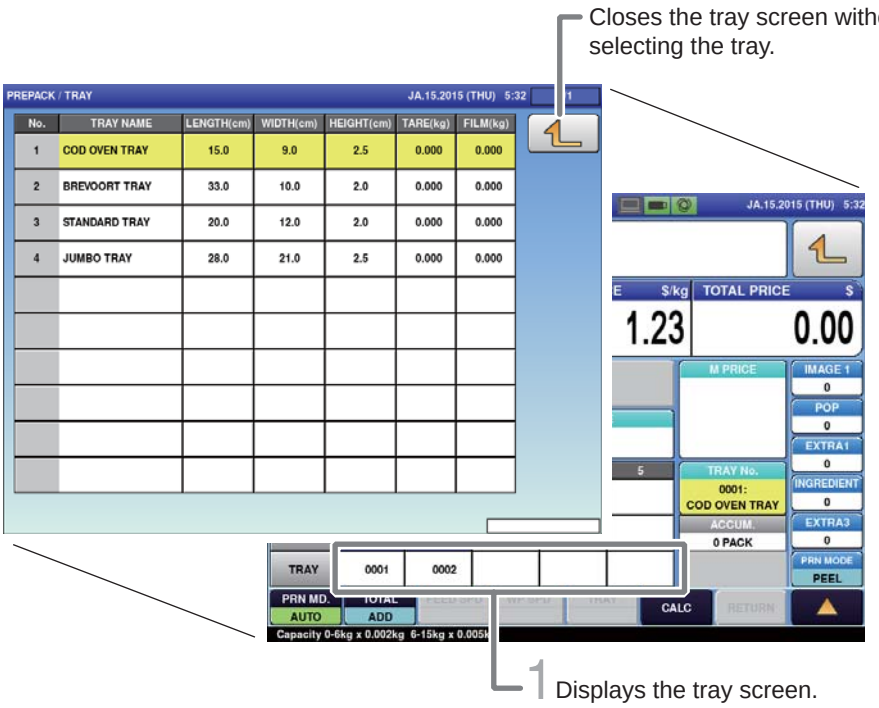
3. Press [FIXED PRICE] to switch the display to the fixed price screen.

FIX
FIXED PRICE

The “g” display disappears and the fixed price display appears.

3.3.4 CHANGING TRAYS ON THE TRAY LIST SCREEN

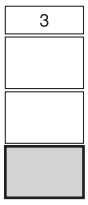
This section describes the method of changing the tray on the tray screen when you do not know the tray number you want to use.



INFORMATION

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

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



The tray screen is displayed.

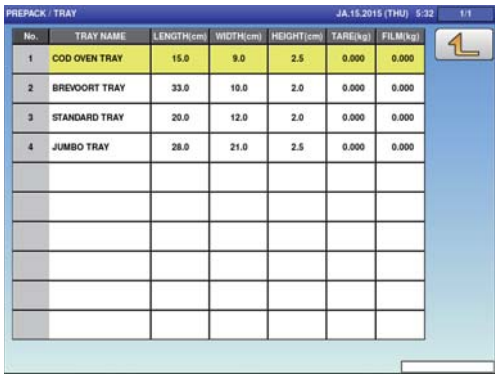
INFORMATION

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

1 PLU

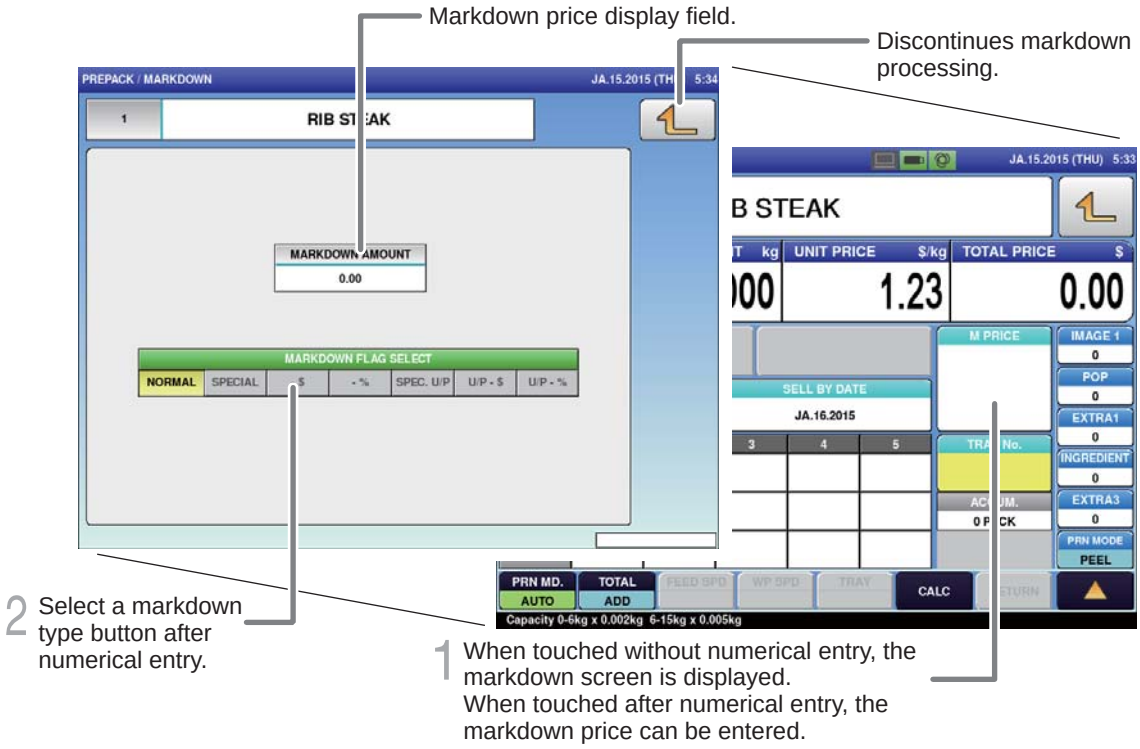
2. Touch the display field of the tray to be used.

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



3.3.5 PERFORMING DISCOUNT PROCESSING

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



● How to discount

	Weighing item / Fixed price item
Special	1 Touch [Markdown]. → The markdown screen is displayed. 2 Touching [SPECIAL] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set markdown price.
-$ (Discount amount)	1 Touch [Markdown]. → The markdown screen is displayed. 2 Touching [-$] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set discount amount.
-% (Discount rate)	1 Touch [Markdown]. → The markdown screen is displayed. 2 Touching [-%] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set discount rate.
Special unit price	1 Touch [Markdown]. → The markdown screen is displayed. 2 Touching [SPEC. U/C] in the markdown mode selection field after entering a numerical value on the markdown screen will automatically return the display to the production screen and displays the set special unit price. (This setting cannot be made if the selected item is a fixed price item.)
U/P- $ (Discount unit price amount)	1 Touch [Markdown]. → The markdown screen is displayed. 2 On the production (markdown) screen, enter a numeric value and touch [U/P -$]. The production screen will automatically appears and display the discount unit price amount.
U/P- % (Discount unit price rate)	1 Touch [Markdown]. → The markdown screen is displayed. 2 On the production (markdown) screen, enter a numeric value and touch [U/P -%]. The production screen will automatically appears and display the discount unit price rate.

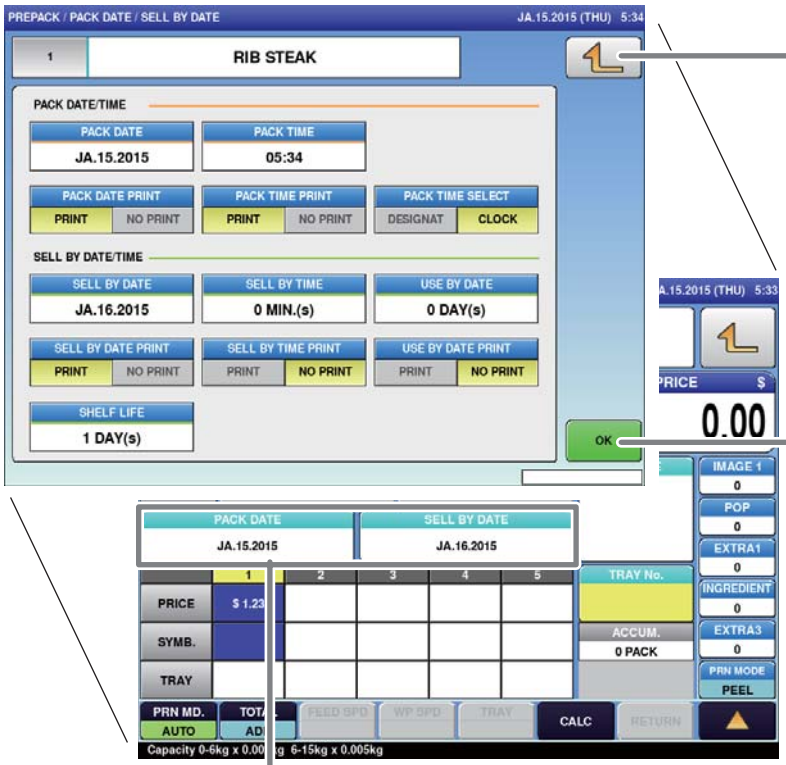
⚠ CAUTION

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

3.4 CHANGING THE LABEL DATE AND TIME

■ PACK/SEL BY DATA AND TIME SETTING SCREEN

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



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

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

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

INFORMATION

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

⚠ CAUTION

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

1 . PACK DATE

Pack date

Enter the pack date to be changed. ☐☐☐☐ ▶ PACK DATE

Pack date printing

PRINT : Select to print the pack date.

NO PRINT : Select not to print the pack date.

2. PACK TIME

Pack time

Enter the time to be printed. ☐☐☐☐ ▶ PACK TIME

Pack time printing

PRINT : Select to print the pack time.

NO PRINT : Select not to print the pack time.

3. PACK TIME SELECTION

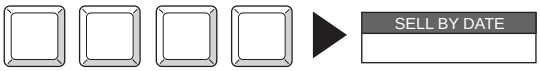
DESIGNAT : Select to print the fixed date and time.

CLOCK : Select to print the current time.

4. SELL BY DATE

Sell by date

Used to change the set sell by date.



Sell by date printing

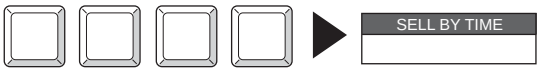
PRINT : Select to print the sell by date.

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

5. SELL BY TIME

Sell by time

Enter the sell by time to be printed.
(Settable up to 9999 hours later)
(Set as "after XX hours" counted from the packed time.)



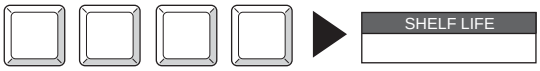
Sell by time printing

PRINT : Select to print the sell by time.

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

6. SHELF LIFE

Enter the shelf life.
(Settable from 0 to 9999 days)
Entered shelf life is reflected in the sell by date.



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

3.5 CHECKING LABEL PRINTING CONTENTS

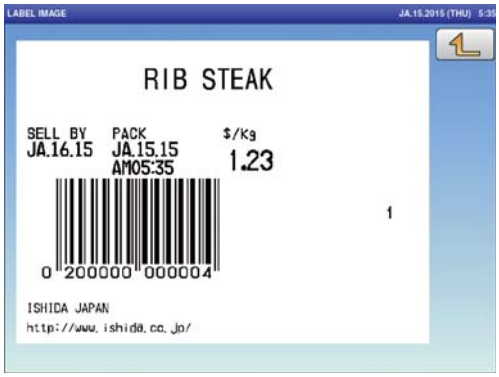
With using the label preview screen, it can be cheked whether the necessary items are printable or not.

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

RIB STEAK

The label preview screen is displayed.

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

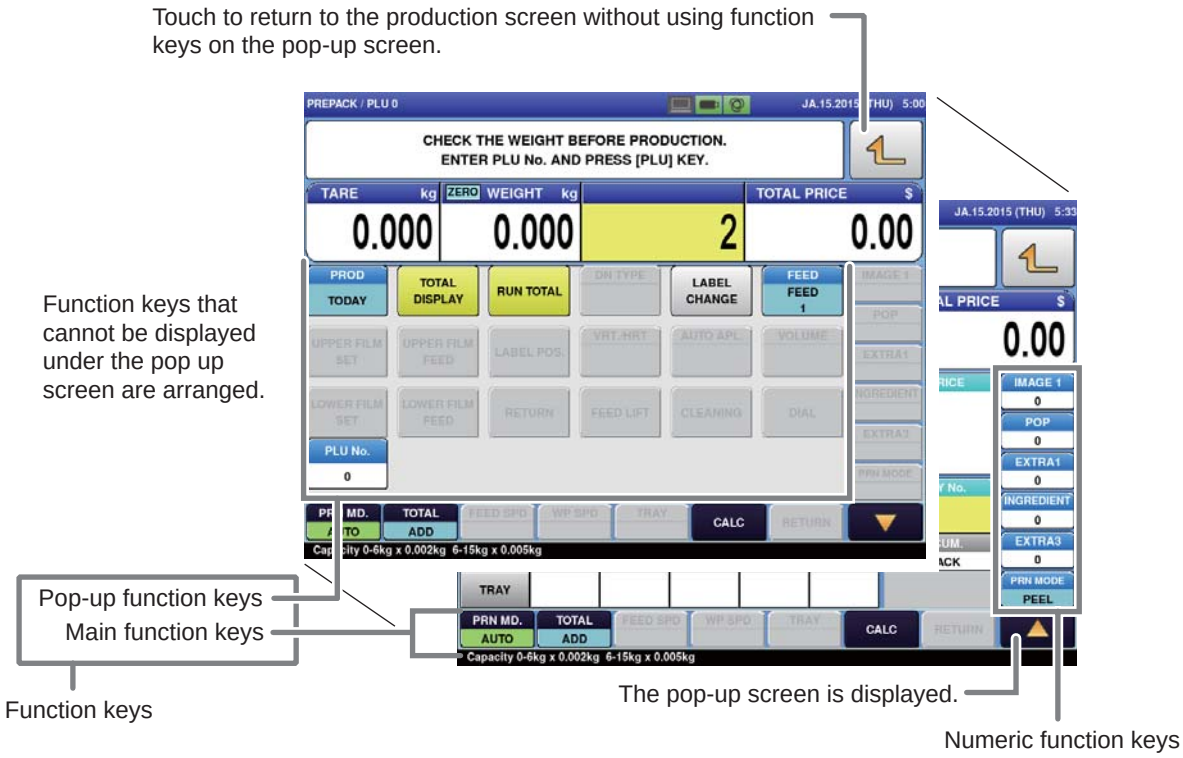


3. Touch [Return] after you complete the check.

The display returns to the production screen.

3.6 USEFUL FEATURES OF FUNCTION KEYS

This section explains useful features for using function keys.
Perform each operation for the selected item.
(Function key positions may be changed according to how it is programmed at the installation.)

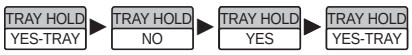
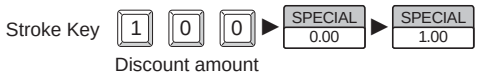
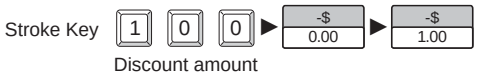
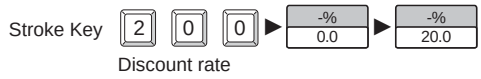


■ Description of function keys

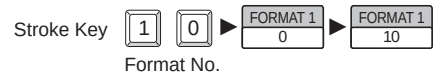
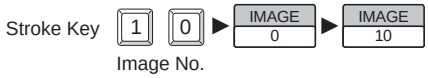
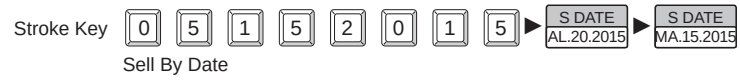
Function Keys	Functions and Usages
PLU name	• Touching this button will call up the PLU item displayed on the button.
TARE	• Touching this button will recognize the weight being measured now as a tare weight.
F/P	• Touching this button will changed the item to a fixed price item. Note: For operation procedures, consult your ISHIDA dealer.
VOID	• Touching this button will delete the results of an item that has been fed into the wrapping unit most recently (on the lift unit), or an item with the label attached (on the discharge unit). • If there are items both on the lift and the discharge unit, the VOID screen to select the item is displayed.
RUN TOTAL	• Touching this button will issue a label with information of the total labels (packs), total weight and total amount since the same key was last pressed. • The item name called on the screen is printed. (The subtotal data will be cleared when the subtotal label is printed.)
FIX PR +WEIGHT	• Touching this button will change the item to a fixed price and weight item. Note: For operation procedures, consult your ISHIDA dealer.
CLR	• Touching this button will clear the numerical value being input.

Function Keys	Functions and Usages
PRINT	• Touching this button will print a label.
FEED	• Touching this button will feed the label.
U/P	• Touching this button will change the item to a unit price item. Note: For operation procedures, consult your ISHIDA dealer.
BAR Y/N YES	• Touching this button will switch the mode between “BAR (YES)” and “BAR (NO)”. • Used to prohibit the barcode print on front labels.
TOTAL DISPLAY	• Touching this button will display the Production Total screen. • Pressing the PRINT stroke key will issue a total label.
CALC.	• Touching this button will display the Calculator screen.
FIX UPR	• Touching this button will change the item to a fixed unit price item. Note: For operation procedures, consult your ISHIDA dealer.
ERROR LOG	• Touching this button will display the Error Log screen.
KEY LOCK ON	• Touching this button will switch the mode between “KEY LOCK (ON)” and “KEY LOCK (OFF)”. • Keys (stroke keys, touch panel keys, and function keys) can be locked or released.
PRN MD. AUTO	• Touching this button will switch the mode between “Auto” and “Manual”. PRN MD. AUTO : Issuing begins automatically as soon as weighing has stabilized. : Issuing begins by pressing the PRINT key after weighing has stabilized automatically. PRN MD. MANUAL PRN MD. MANUAL Can be used only for unit price items. If PRN MD. MANUAL is used for fixed price items or fixed unit price items, it makes an error sound.
1/2	• Used to reduce the price of the fixed amount item to half.
TOTAL ADD ADD	• Touching this button will switch the printing mode in the following order: TOTAL ADD ADD ▶ TOTAL ADD NON PRT ▶ TOTAL ADD NON ADD ▶ TOTAL ADD ADD TOTAL ADD ADD : Issues a label and adds the production data to the total. TOTAL ADD NON PRT : Adds the production data to the total without issuing a label. TOTAL ADD NON ADD : Issues a label without adding the production data to the total.
TRACE	• Used to display and correct the set traceability information.
PASSPORT	• Used to print the passport label for traceability.
MINCE	• Used to open the Minced Meat Traceability Data Creation screen. Used to generate the minced meat traceability data in advance when the PLU item is not-being called.
U/P 100g	• Touching this button will change the item is to a unit price (100g) item. Note: For operation procedures, consult your ISHIDA dealer.
00	• Touching this button will input “0” twice.

Function Keys	Functions and Usages
.	• Touching this button will input the decimal point.
0 to 9	• Touching this button will input a number. The same operation as numeric keys on the ten-key pad is made.
PLU CALL	• Touching this button after entering a numeric value will call up the PLU item. The same operation as the PLU key on the ten-key pad is made.
ZERO	• Touching this button will perform the zero point adjustment.
TODAY TODAY	• Touching this button will switch the mode in the following order. TODAY TODAY ▶ TODAY REPACK ▶ TODAY ACCURED ▶ TODAY TODAY
CHECK WGT	• When touched, the Lower Upper Weight screen is displayed.
DEL PLU(S)	• Touching this button will delete, for an item displayed on the screen, all totals of the item that has been produced after being selected.
LABEL CHANGE	• Touching this button will display the Label Change screen.
DN TYPE NONE	• Touching this button will display the 2nd Label Type screen. • The selected result is displayed within the parenthesis of the function key. DN TYPE NONE ▶ DN TYPE BARCODE ▶ DN TYPE ONLY INGR. ▶ DN TYPE INGR.+BAR Note: The number of back label types can be increased by settings. For details, consult your ISHIDA dealer.
UP PRN YES	• Touching this button will switch the mode between “UP PRN (YES)” and “UP PRN (NO)”.
DN PRN YES	• Touching this button will switch the mode between “DN PRN (YES)” and “DN PRN (NO)”. • Effective only for items to which back label settings are made.
UP TYPE REF.	• Touching this button will switch the mode between “UP TYPE (REF.)” and “UP TYPE (FIX)”. • Used to fix the issuing printer and cassette format.
EYE CATCH YES	• Touching this button will switch the mode between “EYE CATCH (YES)” and “EYE CATCH (NO)”.
SUB PRN YES	• Touching this button will switch the mode between “SUB PRN (YES)” and “SUB PRN (NO)”. • Effective only for items to which sub-label settings are made, when a sub-labeller (PP-AI, etc.) is connected
MEMO	• Touching this button will display the Memo Preset screen.
JUMP GROUP	• Used to jump to the designated function group.
JUMP PAGE	• Used to jump to the designated function page.

Function Keys	Functions and Usages
FUNCTION	•Touching this button will display the Popup Function Keys screen.
DISP IMG LD.	• Used to load images in the USB memory.
PREV. PAGE	• Used to switch the Popup Function Keys screen to the previous page.
NEXT PAGE	• Used to switch the Popup Function Keys screen to the next page.
TRAY CENTERING YES	• Touching this button will switch the mode between “TRAY CENTERING (YES)” and “TRAY CENTERING (NO)”.
MENU JUMP	• Touching this button will display the Menu Jump screen.
PRN MODE PEEL	• Touching this button will switch the mode between “PRN MODE (PEEL)” and “PRN MODE (NON-PEEL)”.
TRAY HOLD YES-TRAY	• Touching this button will switch the tray hold mode in the following order:  : Having recognized the tray size positioned on the weighing platter, the conditions for wrapping are automatically set as the matching tray No. is called up from the tray master. : Trays will not be held. : Wrapping conditions are set from the specified tray No.
MULTI	• Used to multiply the quantity of the fixed price item by the designated number.
SPECIAL 0.00	• Touching this button after entering a numeric value will set the special price.  • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.
-$ 0.00	• Touching this button after entering a numeric value will set the discount amount.  • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.
-% 0.0	• Touching this button after entering a numeric value will set the discount rate.  • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.

Function Keys	Functions and Usages
POP 0	• Touching this button after entering a numeric value will set the POP message. Stroke Key [1] [0] ▶ POP 0 ▶ POP 10 POP No. • Touching this button without entering a numeric value will display the POP Message screen. • Touching the display item or entering a numeric value via numeric keys will set the POP message. 10 POP Msg. 10 or [1] [0] ▶ PLU • To release the setting, touch the display item after entering “0”. Note: See page 4-40 for “EXTRA MESSAGE REGISTRATION”.
COUPONS 0	• Touching this button after entering a numeric value will set the coupon message. Stroke Key [1] [0] ▶ COUPONS 0 ▶ COUPONS 10 Coupon No. • Touching this button without entering a numeric value will display the Coupon Message screen. • Touching the display item or entering a numeric value via numeric keys will set the coupon message. 10 Coupon Msg.10 or [1] [0] ▶ PLU • To release the setting, touch the display item after entering “0”. Note: See page 4-40 for “EXTRA MESSAGE REGISTRATION”.
% TARE 0.0	• Touching this button after entering a numeric value will set the tare rate. Stroke Key [2] [0] ▶ % TARE 0.0 ▶ % TARE 2.0 Discount rate • To release the setting, touch the button after entering “0”.
EXTRA 1 0	• Touching this button after entering a numeric value will set the extra message. Stroke Key [1] [0] ▶ EXTRA1 0 ▶ EXTRA1 10 Extra 1 No. • Touching this button without entering a numeric value will set the Extra Message screen. • Touching the display item or entering a numeric value via numeric keys will set the extra message. 10 Extra Msg. 10 or [1] [0] ▶ PLU • To release the setting, touch the display item after entering “0”. Note: See page 4-40 for “EXTRA MESSAGE REGISTRATION”.
INGREDIENT 0	• Touching this button after entering a numeric value will set the ingredient. Stroke Key [1] [0] ▶ INGRADIENT 0 ▶ INGRADIENT 10 Ingradient No. • Touching this button without entering a numeric value will display the Ingredient. • Touching the display item or entering a numeric value via numeric keys will set the ingredient. 10 Ingradient 10 or [1] [0] ▶ PLU • To release the setting, touch the display item after entering “0”. Note: See page 4-40 for “EXTRA MESSAGE REGISTRATION”.

Function Keys	Functions and Usages
SP(U/P) 0.00	• Touching this button after entering a numeric value will set the special unit price. • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.
FORMAT 1 0	• Touching this button after entering a numeric value will set the label format.  • Touching this button without entering a numeric value will display the Format screen. • Touching the display item or entering a numeric value via numeric keys will set the format. • To release the setting, touch the display item after entering “0”. Note: For format settings, consult your ISHIDA dealer.
IMAGE 1 0	• Touching this button after entering a numeric value will set the image.  • Touching this button without entering a numeric value will display the Image screen. • Touching the display item or entering a numeric value via numeric keys will set the image. • To release the setting, touch the display item after entering “0”. Note: For image settings, consult your ISHIDA dealer.
-$(U/P) 0.00	• Touching this button after entering a numeric value will set the special unit price. • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.
P DATE AL08.2015	• Touching this button after entering a numeric value will set the pack date. • Touching this button without entering a numeric value will display the Pack Date /Sell By Date screen. Note: See page 3-14 for “CHANGING THE LABEL DATE AND TIME”.
S DATE AL08.2015	• When touched after numerical entry, the sell by date can be set.  • When touched without any numerical entry, the Pack Date /Sell By Date screen is displayed. Note: See page 3-14 for “CHANGING THE LABEL DATE AND TIME”.

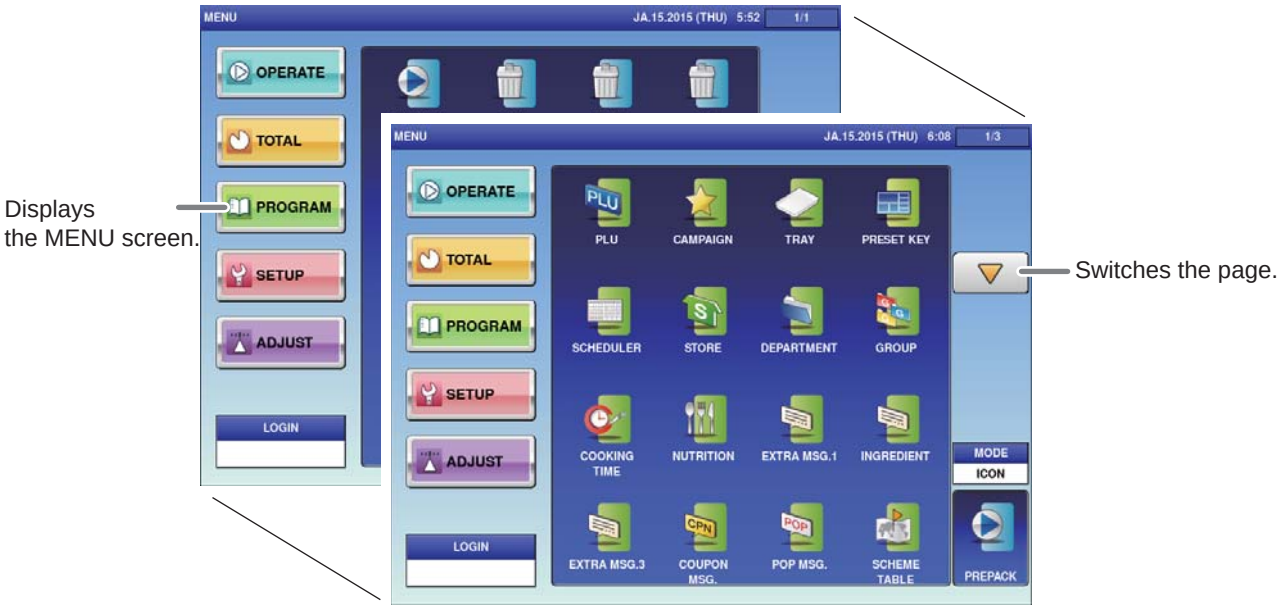
Function Keys	Functions and Usages
FREE MSG1 0	• When touched after numerical entry, the free message can be set. Stroke Key [1] [0] ▶ FREE MSG. 1 / 0 ▶ FREE MSG. 1 / 10 Free Message No. • When touched without any numerical entry, the Free Message screen is displayed. • When the display item is touched or the numerical entry is made via numerical keys, the free message can be set. 10 Free Msg. 10 or [1] [0] ▶ PLU • To release the setting, touch the display item after entering “0”. Note: See page 4-40 for “EXTRA MESSAGE REGISTRATION”.
TARGET 0/0	• When touched, the target screen is displayed. In this screen, select the target type(QTY, WEIGHT, PRICE). Then enter the number and touch the “TARGET” field in this screen. • Used to decide the production quantity for each item. Once the production completes the set target, it shows the message to reset the target again. Set 0 to end this function.
-%(U/P) 0.0	• Touching this button after entering a numeric value will set the unit price discount rate. Stroke Key [2] [0] [0] ▶ -% (UP) / 0.0 ▶ -% (UP) / 20.0 Unit Price Discount rate • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.
PLU No. 1	• Touching this button after entering a numeric value will display the PLU screen and select the designated PLU item. Stroke Key [4] ▶ FREE MSG. 1 / 0 ▶ FREE MSG. 1 / 10 PLU No. • Touching this button without entering a numeric value will display the PLU screen. • Touching the display item or entering a numeric value via numeric keys will set the PLU item. 4 PORK CHOPS BONELESS SIRLOIN or [4] ▶ PLU Note: See page 3-3 for “CALL UP THE ITEM DATA FROM THE DISPLAYED LIST.”
MEMORY -%	• Used to display the memory remaining capacity.
LWT kg 0.000	• When touched after numerical entry, the lower weight can be set. Stroke Key [5] [0] [0] ▶ LWT kg / 0.000 ▶ LWT kg / 0.500 Lower Weight • When touched without any numerical entry, the Upper/Lower Weight screen is displayed. • To release the setting, touch the button after entering “0”.
UWT kg 0.000	• Touching this button after entering a numeric value will set the upper weight. Stroke Key [5] [0] [0] ▶ UWT kg / 0.000 ▶ UWT kg / 0.500 Upper Weight • Touching this button without entering a numeric value will display the Upper/Lower Weight screen. • To release the setting, touch the button after entering “0”.
TEST No.	• Used to display the test number of the meat cutting test.
OPERATOR No.	• Used to display the operator number of the meat cutting test.
VENDOR No.	• Used to display the vendor number of the meat cutting test.

Function Keys	Functions and Usages
PRODUCT No.	• Used to display the product number of the meat cutting test.
M PRICE	• Touching this button after entering a numeric value will set the markdown price. Stroke Key 1 0 0 ▶ M PRICE ▶ M PRICE SPECIAL:1.00 Markdown Price • Touching this button without entering a numeric value will display the Markdown screen. • To release the setting, touch the button after entering “0”. Note: See page 3-13 for “PERFORMING DISCOUNT PROCESSING”.
TRAY No.	• Touching this button after entering a numeric value will set the tray number. Stroke Key 2 ▶ TRAY No. ▶ TRAY No. 0002: Tray No. • Touching this button without entering a numeric value will display the Tray screen. • Touching the display item or entering a numeric value via numeric keys will set the tray number. 2 BREVOORT TRAY or 2 ▶ PLU • To release the setting, touch the button after entering “0”. Note: See page 3-11 for “CHANGING TRAYS ON THE TRAY LIST SCREEN”.
GUIDE 0 PACK	• Used to display the total quantity.
STATE	• Used to display the status. (Heater temperature, Emergency stop, etc.)
PRICE GRP	• These are function keys that constitute the selling price table. • Selling price number, unit price or price, fixed-price quantity, and tray number are displayed respectively.
PRICE GRP PRICE	
PRICE GRP SYMB	
PRICE GRP TRAY	
GLOBAL SV	• Used to start when TeamViewer is installed.
PACK CNT 0	• Used to display the subtotal quantity.
PACK WT LB 0.000	• Used to display the subtotal weight.
PACK PRICE 0.00	• Used to display the subtotal price.

CHAPTER 4

DATA REGISTRATION

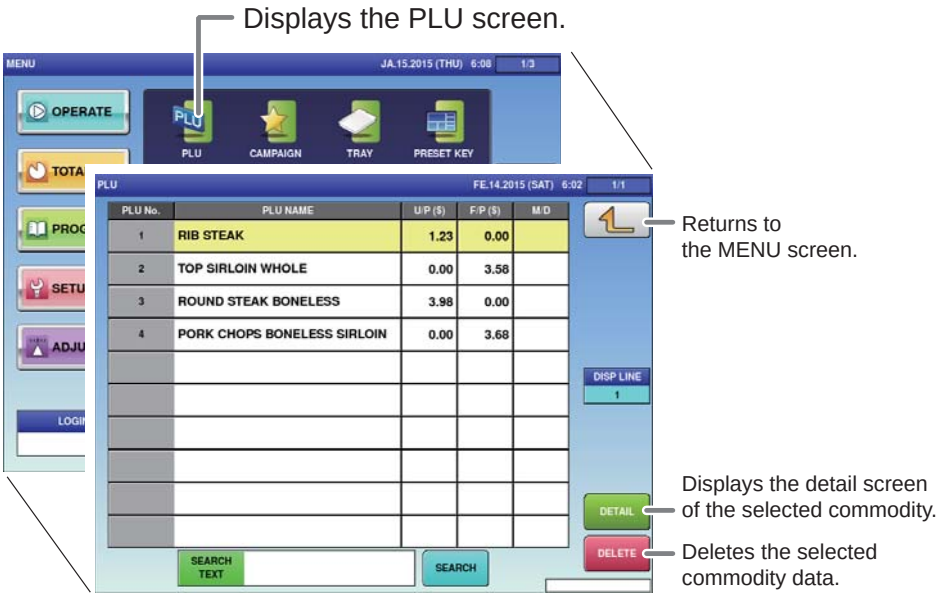
4.1 PROGRAM MENU



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

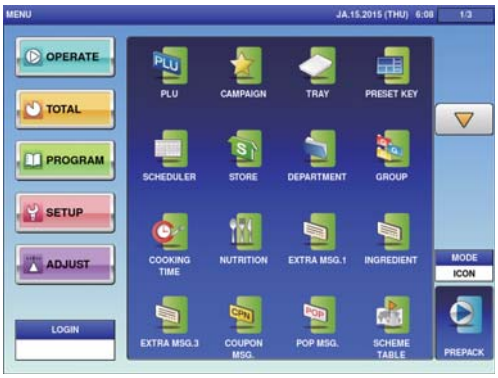
4.2 PLU REGISTRATION

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



1. Touch [PLU] on the MENU screen.

The PLU List screen will be displayed.



REFERENCE

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

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

Example: Call-up number 1

1 PLU

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

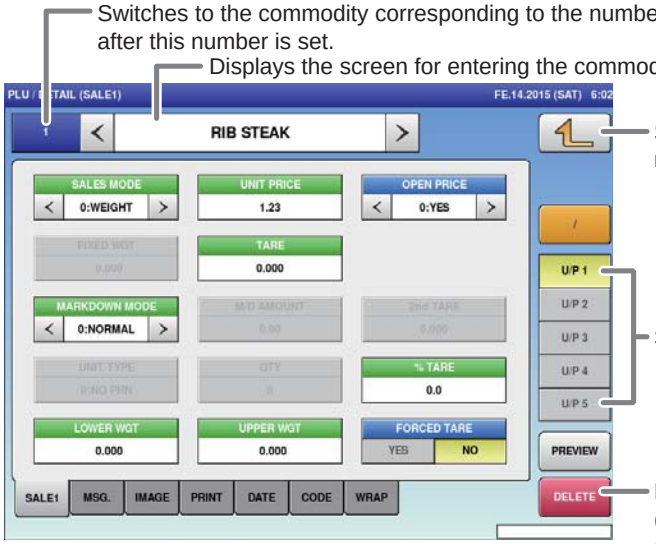
REFERENCE

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

REFERENCE

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

4.2.1 PLU DETAIL (SALE 1) REGISTRATION



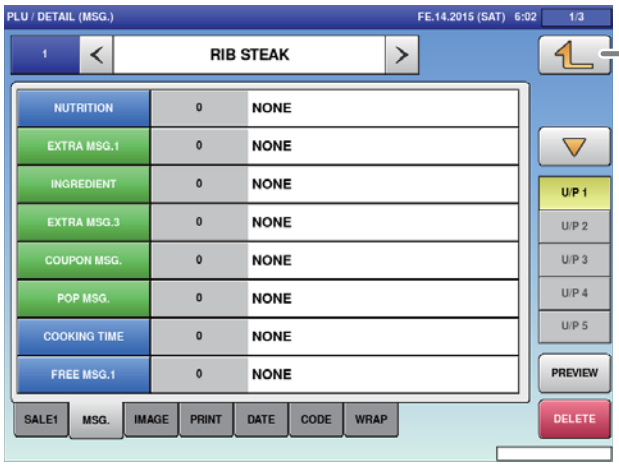
■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

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

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

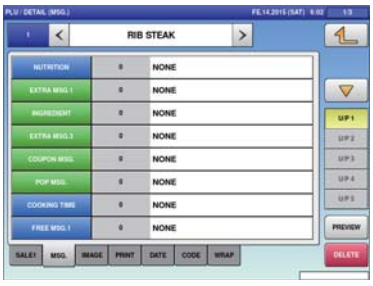
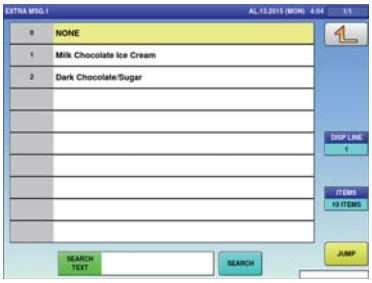
4.2.2 PLU DETAIL (MSG.) REGISTRATION



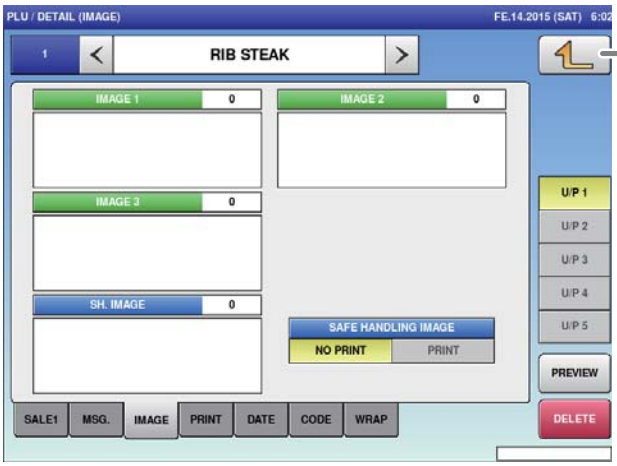
Returns to the PLU List screen.

■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

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

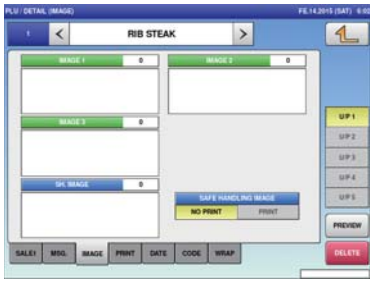
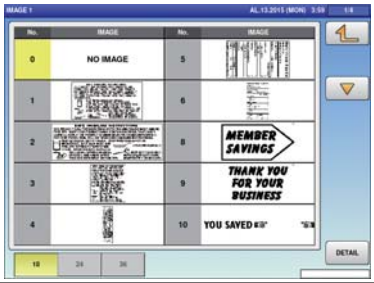
4.2.3 PLU DETAIL (IMAGE) REGISTRATION



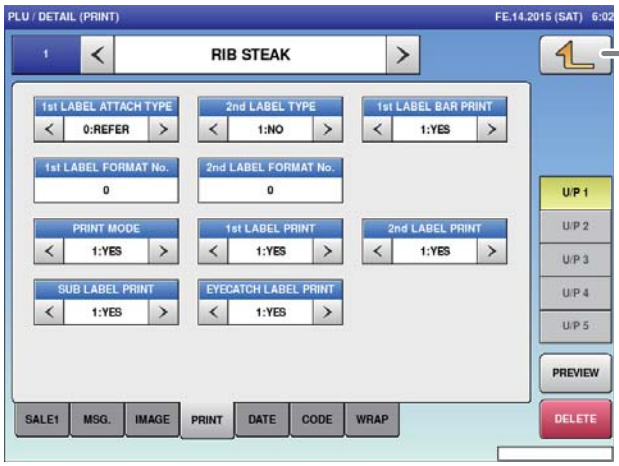
Returns to the PLU List screen.

■REGISTRATION METHOD FOR EACH ITEM

Touch the required registration item to select the content.

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

4.2.4 PLU DETAIL (PRINT) REGISTRATION



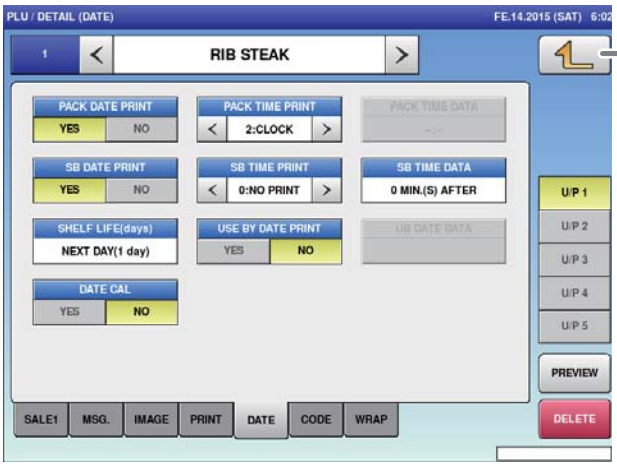
Returns to the PLU List screen.

■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

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

4.2.5 PLU DETAIL (DATE) REGISTRATION



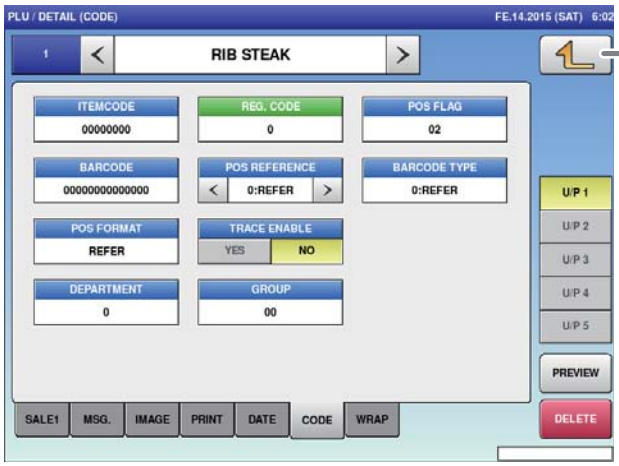
Returns to the PLU List screen.

■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details

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

4.2.6 PLU DETAIL (CODE) REGISTRATION



Returns to the PLU List screen.

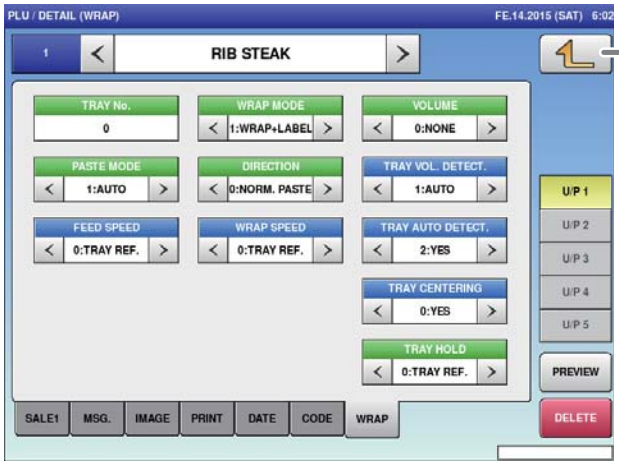
■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

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

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

4.2.7 PLU DETAIL (WRAP) REGISTRATION



Returns to the PLU List screen.

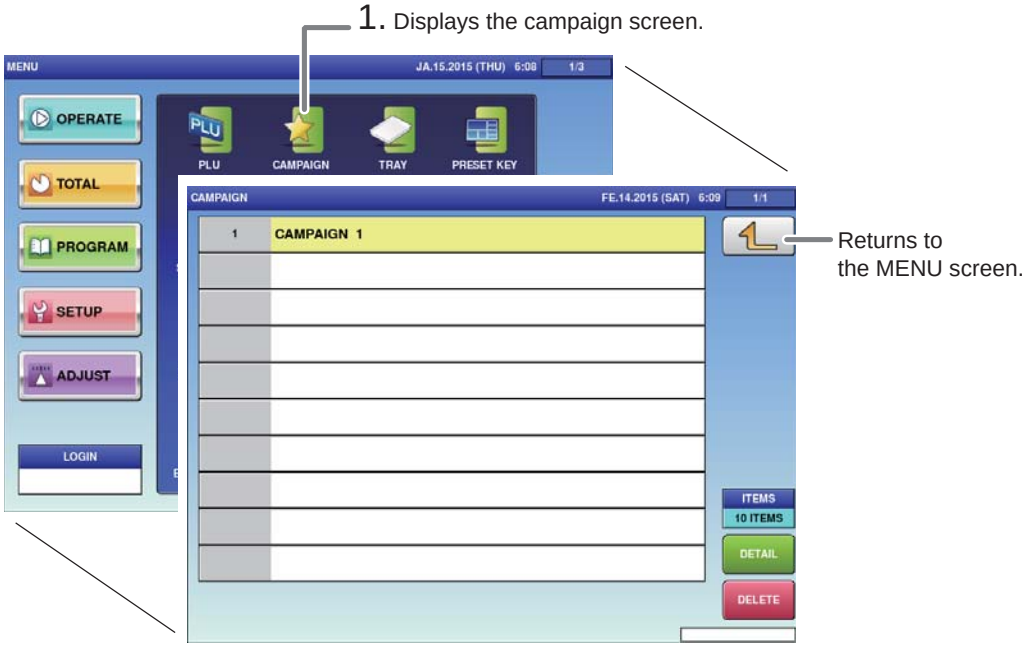
■REGISTRATION METHOD FOR EACH ITEM

Select the required registration item and enter the details.

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

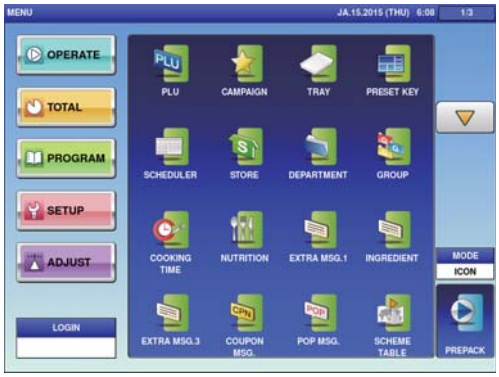
4.3 CAMPAIGN REGISTRATION

Here you can register campaign commodities and campaign prices.



1. Touch [CAMPAIGN] on the MENU screen.

The CAMPAIGN List screen will be displayed.



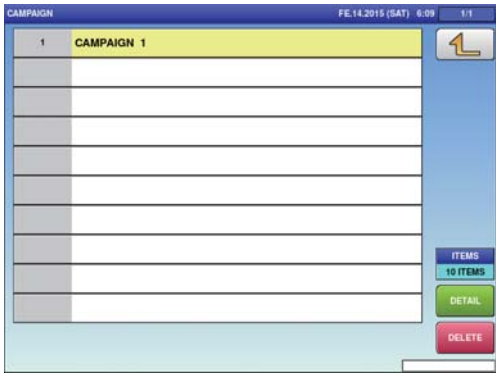
2. Enter the call-up number for the campaign.

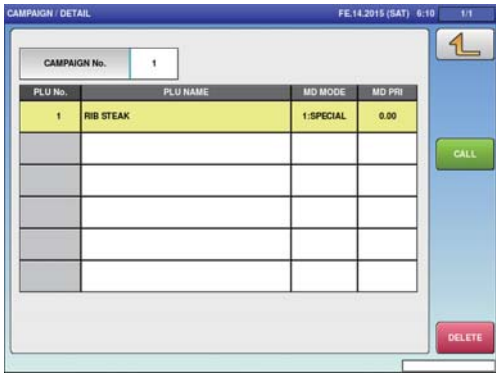
You can enter a campaign number from 1 to 99.

Example: Campaign number 1

1 PLU

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





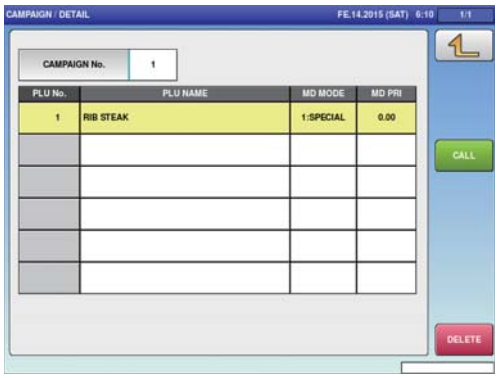
INFORMATION

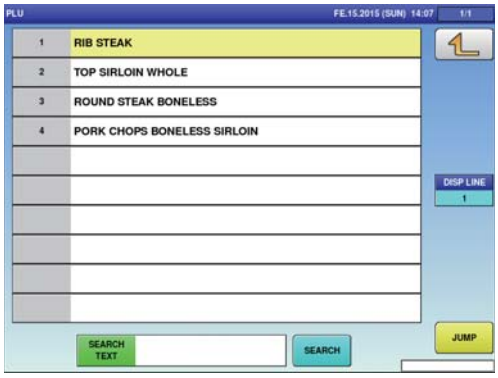
To edit the registered campaign data, touch the field of campaign data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

3. Select the campaign commodity.

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

CALL

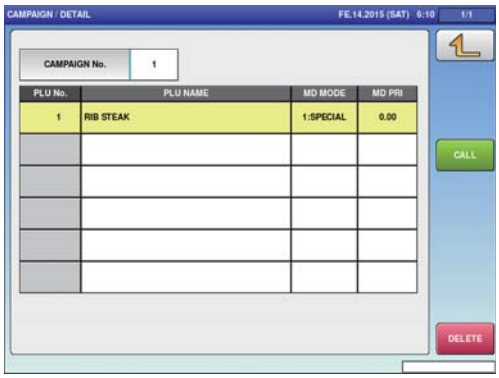




4. Select the campaign type.

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

MD MODE



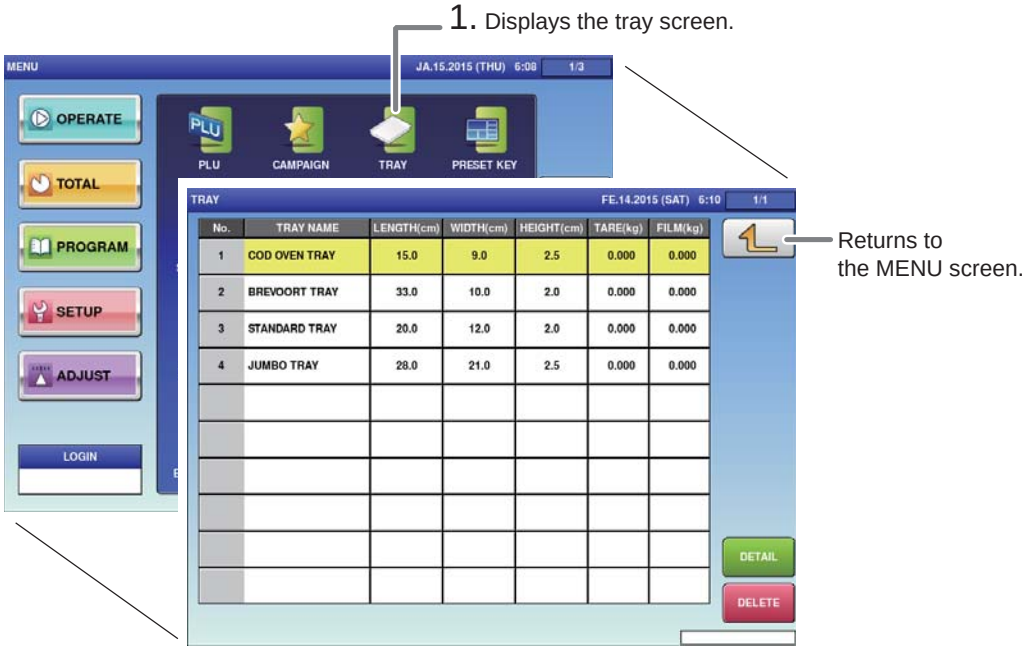
5. Register the campaign content.

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

0 ••• 9 MD PRICE

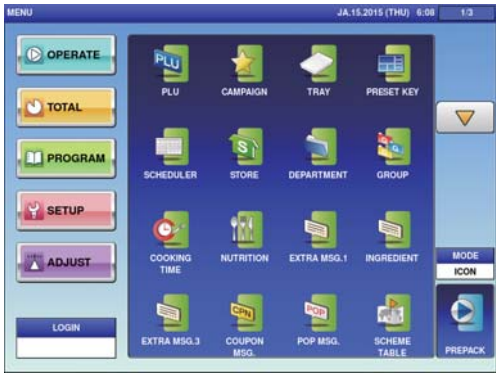
4.4 TRAY REGISTRATION

Here you can register information such as the tray's size and weight and the film's weight.



1. Touch [TRAY] on the MENU screen.

The TRAY List screen will be displayed.

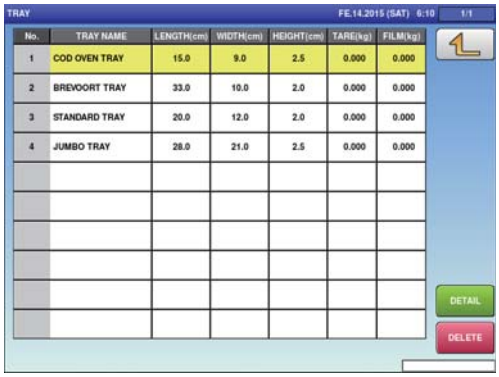


2. Enter the call-up number for the tray.

You can enter a tray number from 1 to 9999.

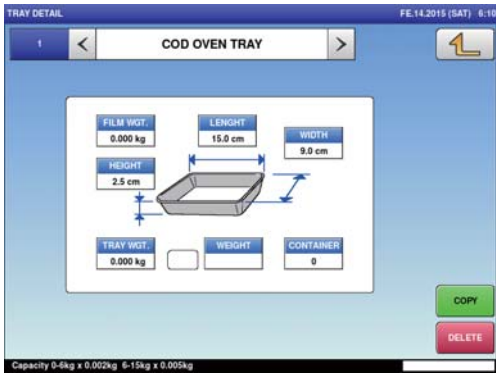
Example: Tray number 1

1 PLU



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

EXEC

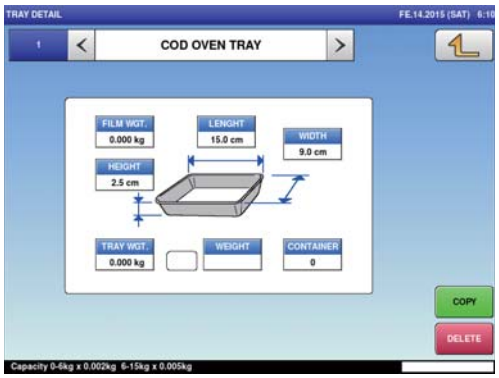


INFORMATION

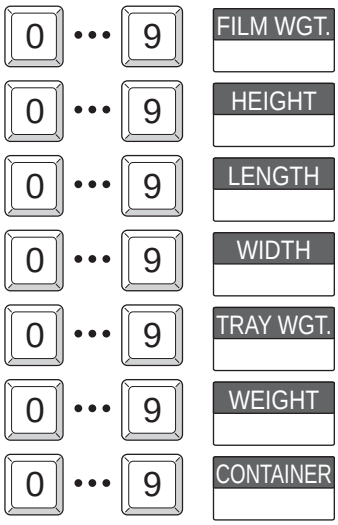
To edit the registered tray data, touch the field of campaign data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

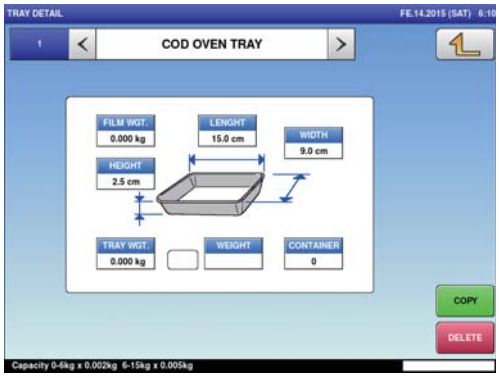
3. Enter the tray name.

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



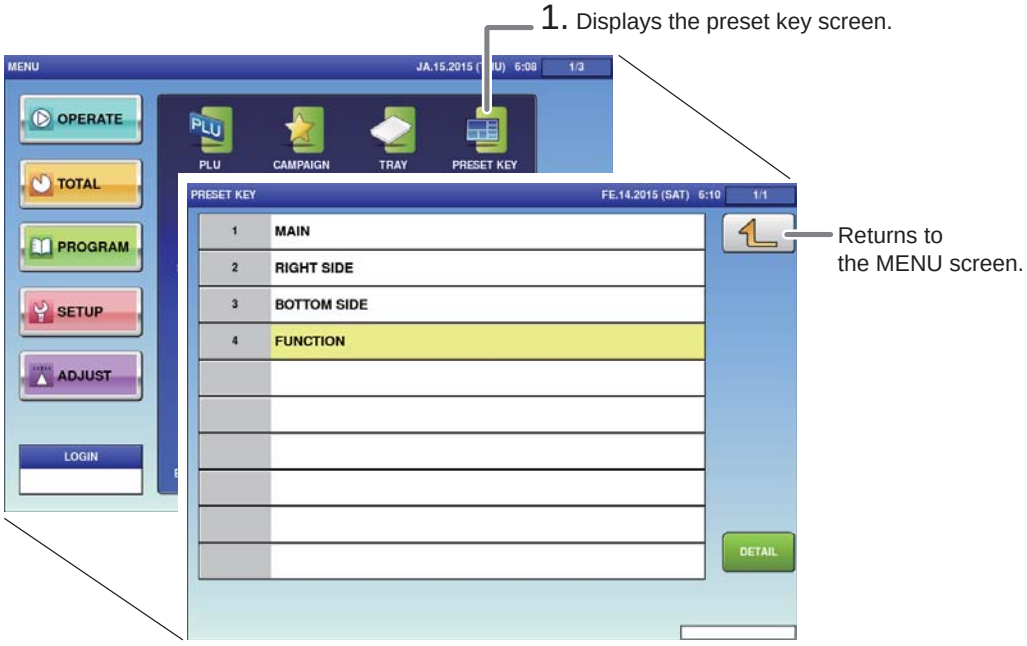
4. Set required items.





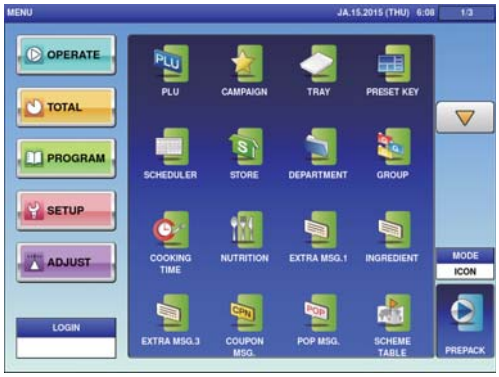
4.5 PRESET KEY REGISTRATION

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

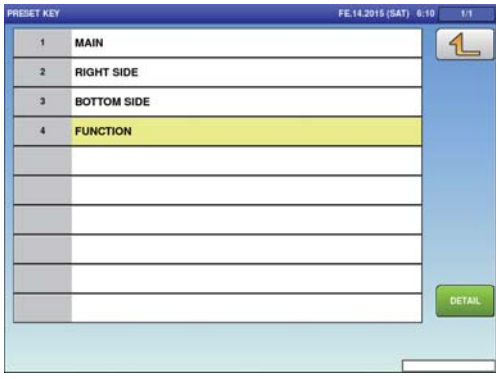


1. Touch the [PRESET KEY] on the MENU screen.

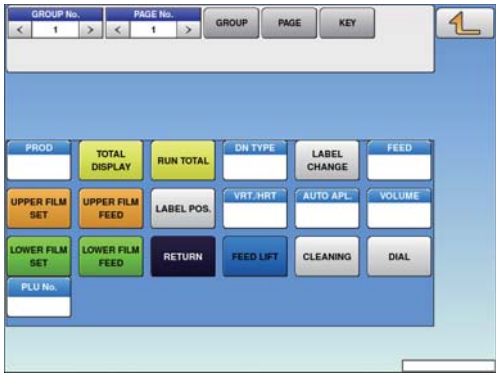
The PRESET KEY screen will be displayed.



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

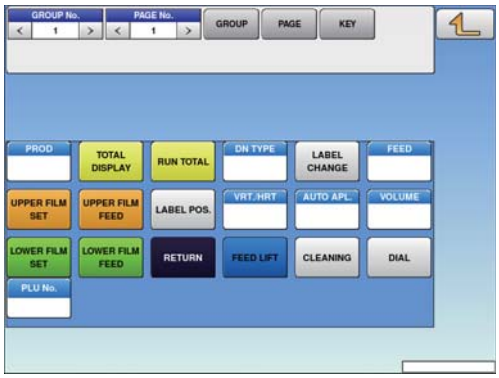


3. The preset key edit screen is displayed.



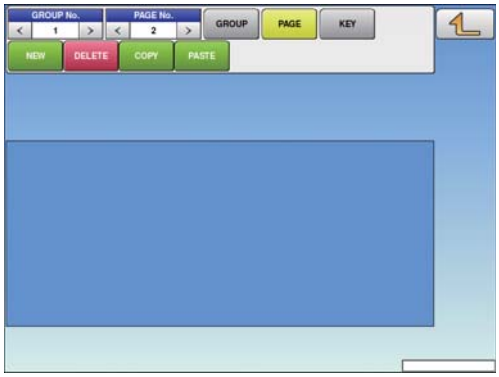
4.5.1 SETTING PRESET GROUPS AND PAGES

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



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

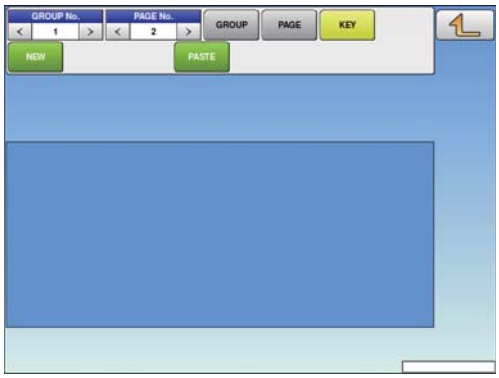
GROUP



4.5.2 SETTING PRESET KEYS

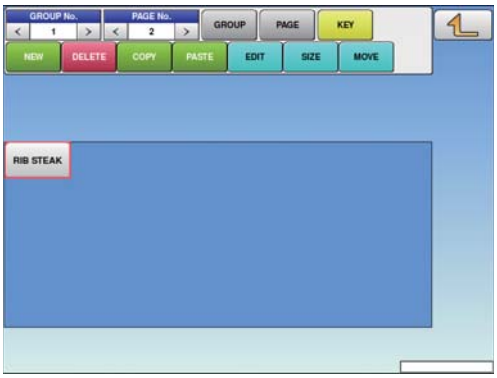
1. **Select the group and the page where you want to add the preset key, and then press the [KEY] button and then [NEW] button.**

KEY



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

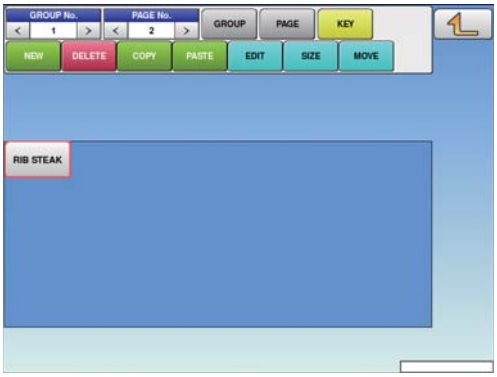
3. **The selected preset key has been assigned.**



4.5.3 CHANGING PRESET KEY SIZES AND POSITIONS

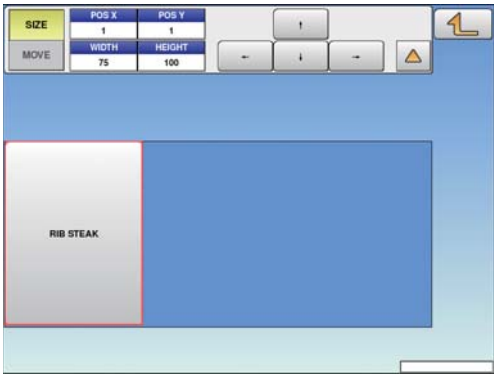
1. **Select the group and the page that the preset key you want to edit is located, and then press [KEY] key, desired preset key, and [SIZE] or [MOVE] key.**

KEY | | SIZE



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

SIZE

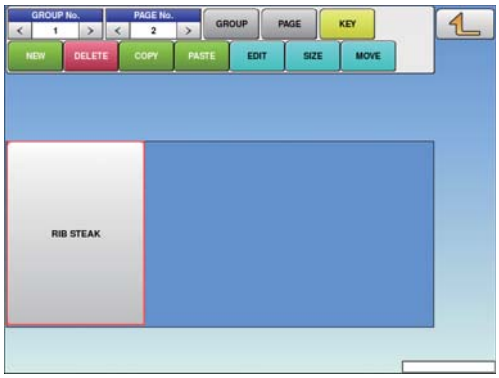


4.5.4 EDITING PRESET KEYS

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

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

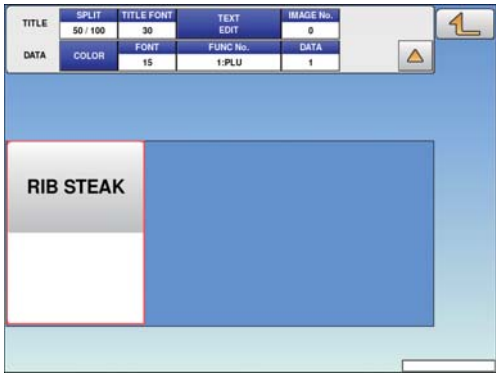
KEY | | EDIT



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

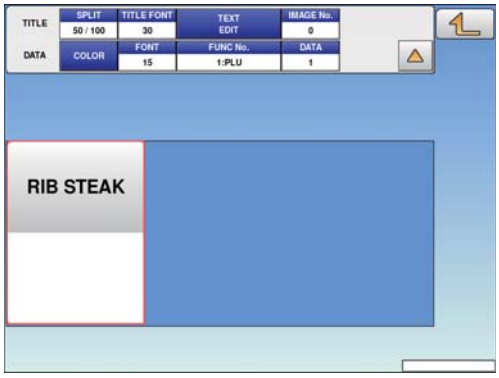
Enter the numeric value and touch the [SPLIT] field.

0 ••• 9 | SPLIT



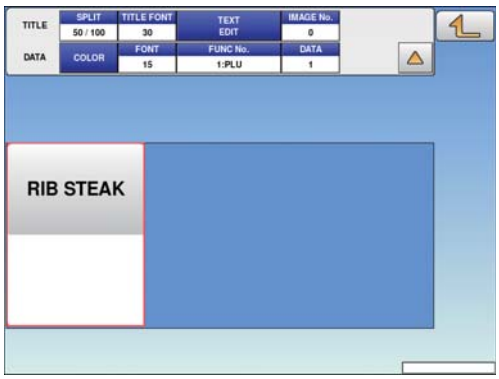
3. To change the font size, enter the numeric values and touch either the [TITLE FONT] or [FONT] field.

0 ••• 9 | TITLE FONT



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

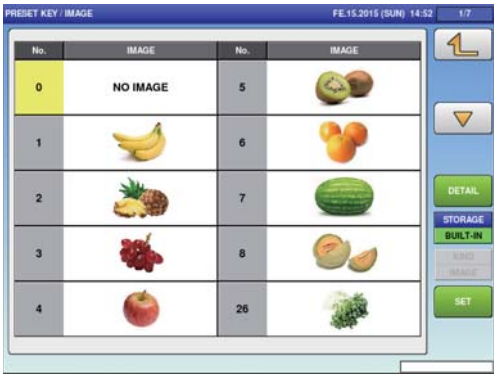
TEXT EDIT



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

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

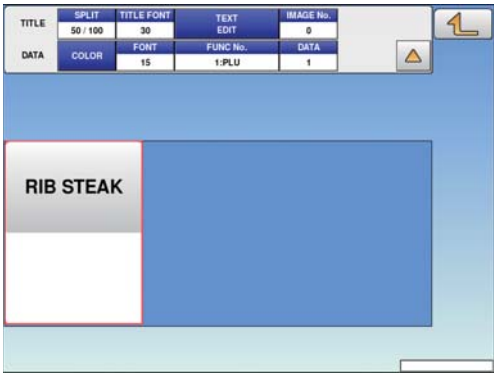
IMAGE No.



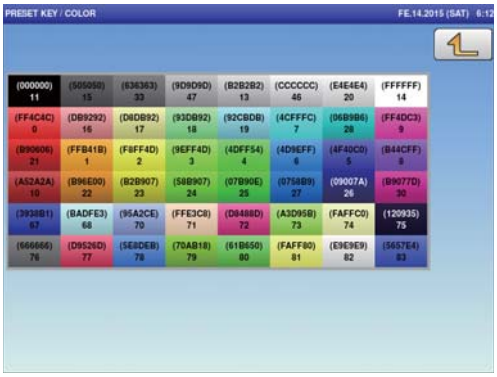
6. To change the color of the preset key, press the [COLOR] button.

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

COLOR UPPER BACKGROUND



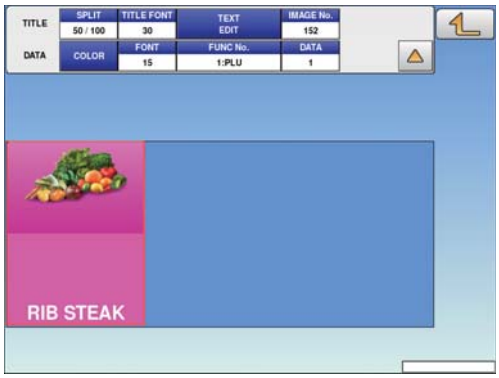
7. Press a desired color for selection.



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

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

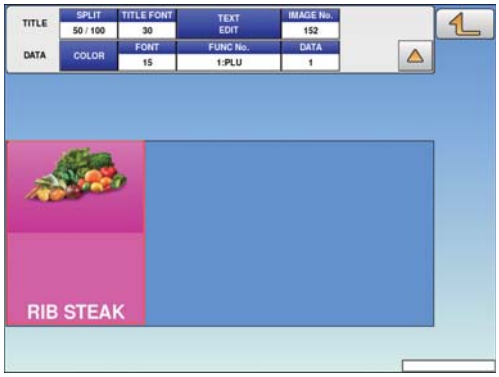
FUNC No. [ ]



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

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

DATA [ ]

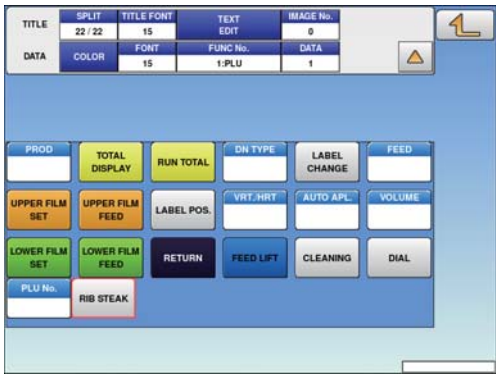


4.5.5 DELETING PRESET KEYS

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

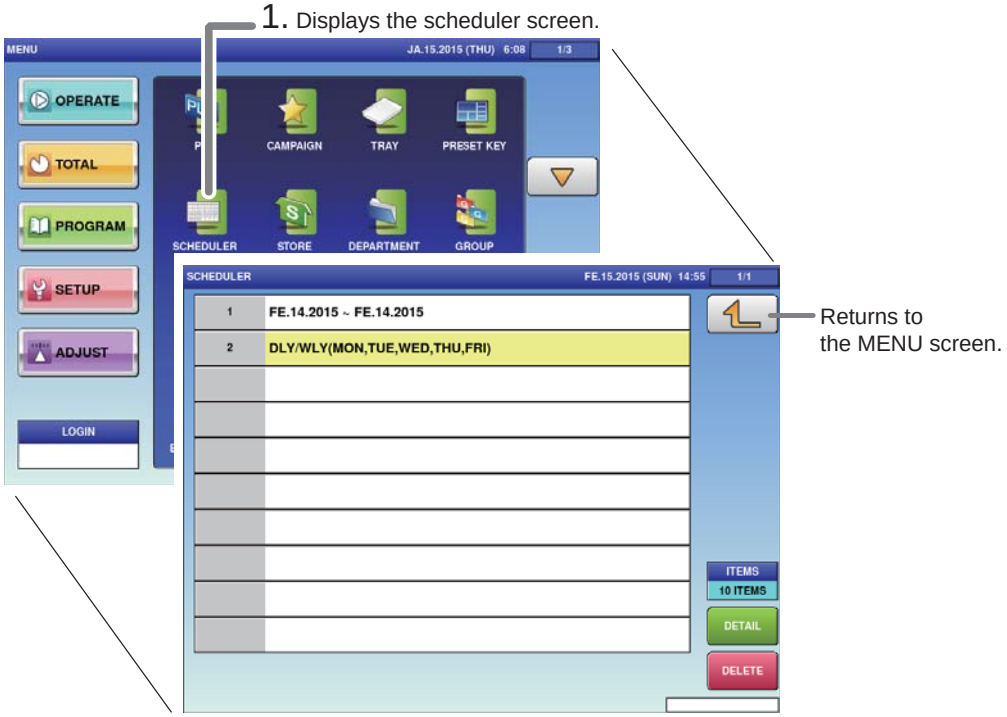
Then, touch the [KEY] button, preset key, and the [DELETE] button.

KEY [ ] DELETE



4.6 SCHEDULE REGISTRATION

Here you can register store names and addresses.



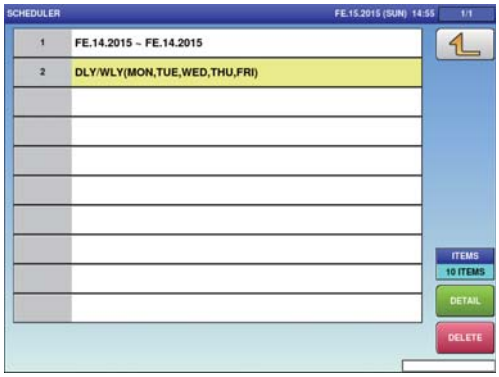
1. Touch [SCHEDULE] on the MENU screen.

The SCHEDULER screen will be displayed.

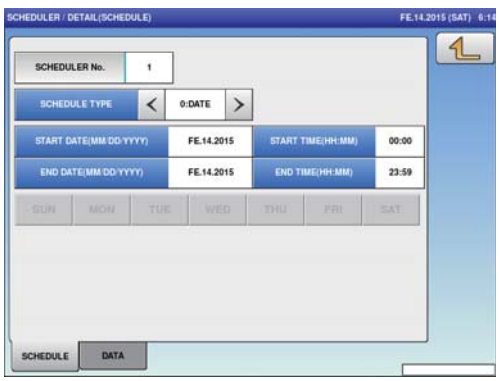
2. Enter the call-up number for the schedule.

You can enter a schedule number from 1 to 9999.

Example: Schedule number 1



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



INFORMATION

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

3. Select the schedule format.

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

4. Enter the required item.

0 ••• 9 START DATE

0 ••• 9 START TIME

0 ••• 9 END DATE

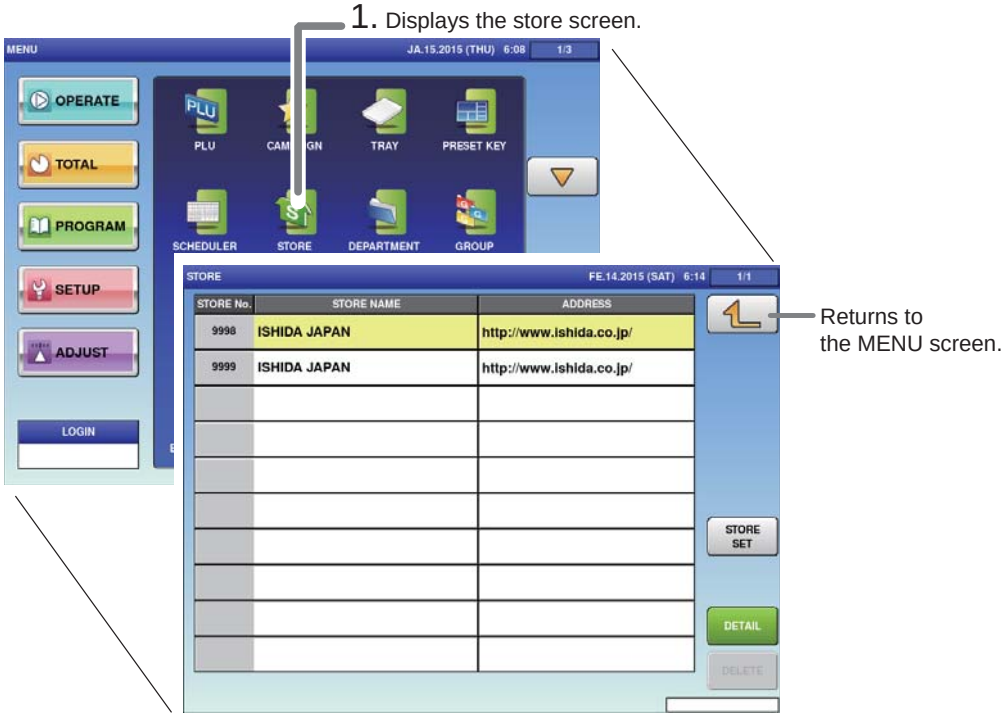
0 ••• 9 END TIME

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

SHEDULE TYPE

4.7 STORE REGISTRATION

Here you can register store names and addresses.



INFORMATION

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

1. Press [STORE] on the MENU screen.

The STORE screen will be displayed.

INFORMATION

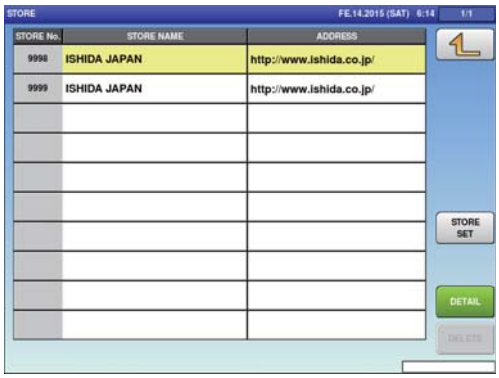
To edit the registered store data, touch the field of store data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

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

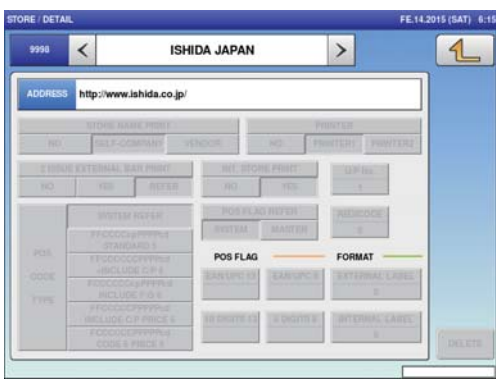
You can enter a store number from 1 to 9999.

Example: Store number 9998

9 9 9 8



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

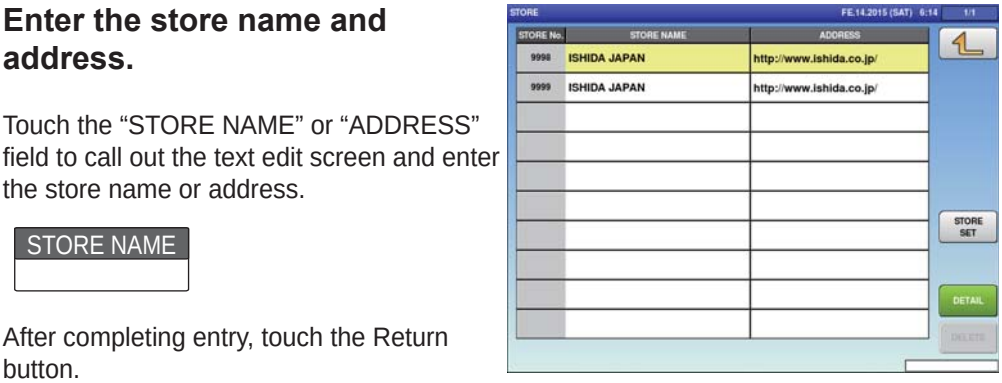


3. Enter the store name and address.

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

STORE NAME

After completing entry, touch the Return button.

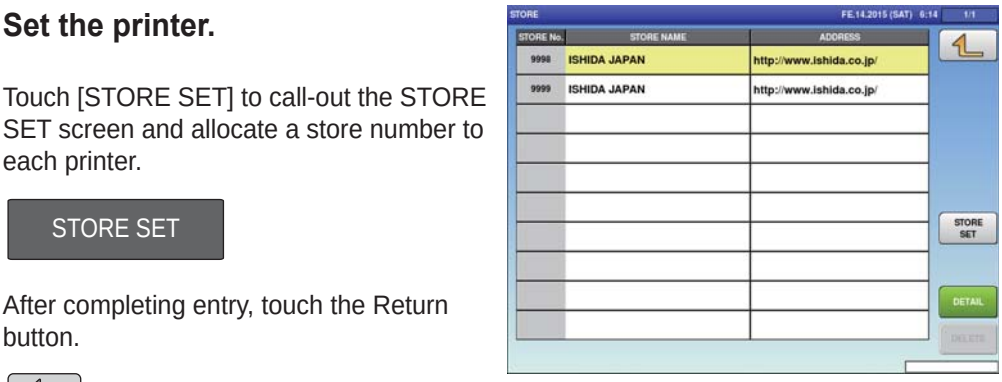


4. Set the printer.

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

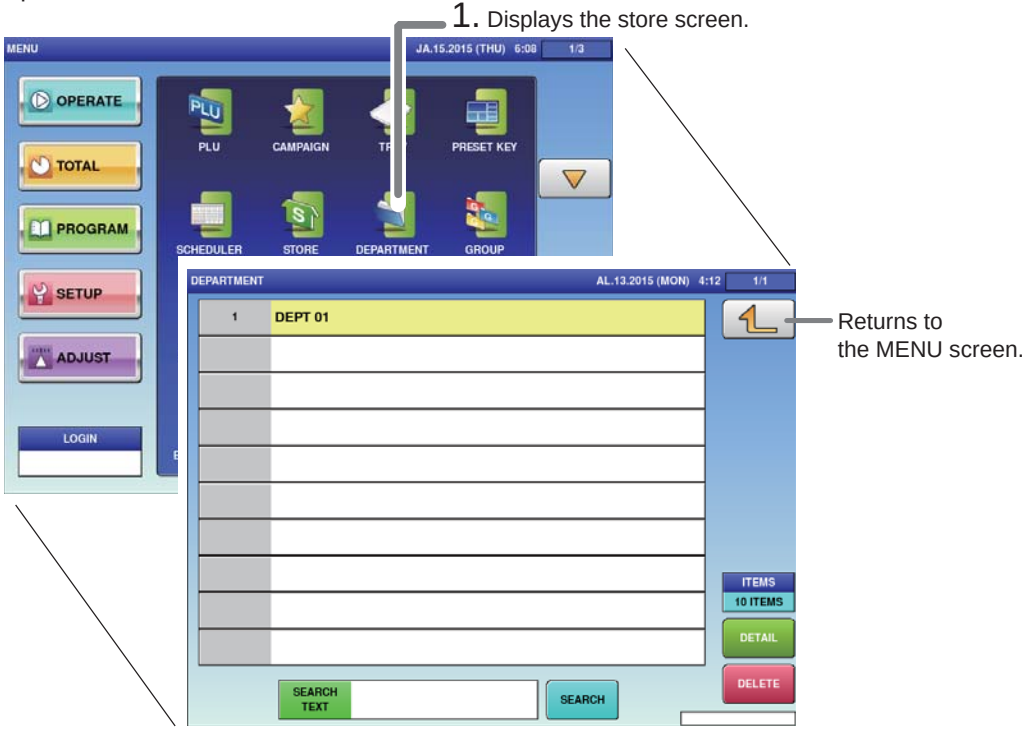
STORE SET

After completing entry, touch the Return button.



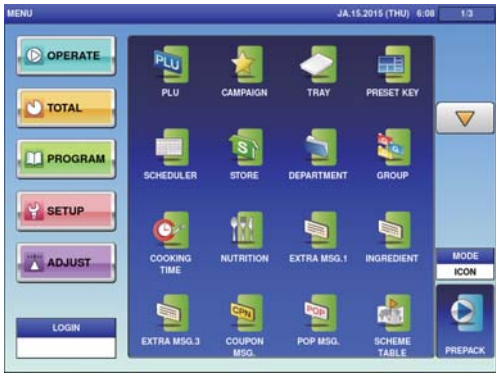
4.8 DEPARTMENT REGISTRATION

Here you can register departments.



1. Touch [DEPARTMENT] on the MENU screen.

The DEPARTMENT screen will be displayed.

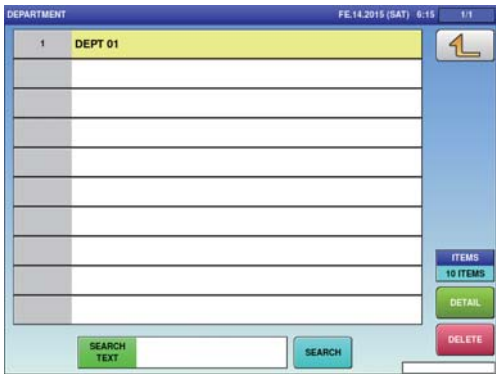


2. Enter the call-up number for the department.

You can enter a department number from 1 to 9999.

Example: Department number 1

1 PLU



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

INFORMATION

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

3. Enter the DEPARTMENT name.

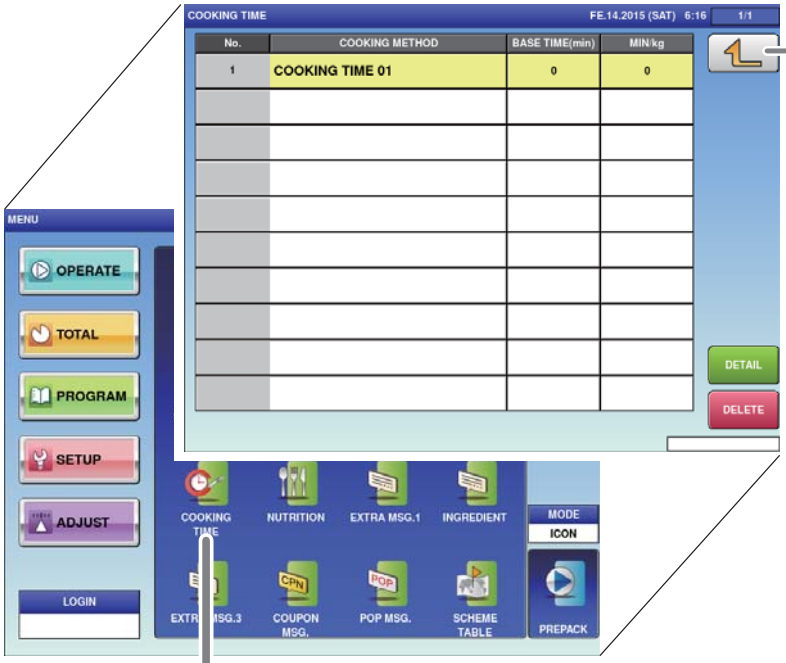
After completing entry, touch the Return button.

The same procedure is used for both GROUP and DEPARTMENT.

4

4.9 COOKING INSTRUCTION REGISTRATION

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



Returns to the MENU screen.

1. Displays the cooking time screen.

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

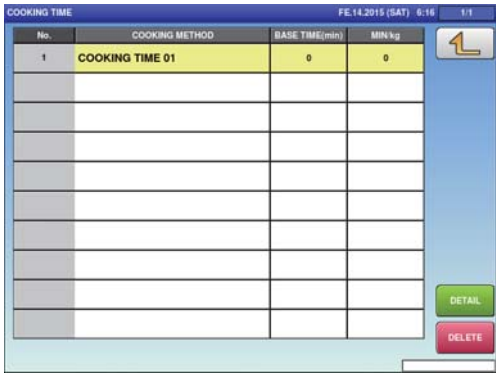
The COOKING TIME List screen will be displayed.

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

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

Example: Cooking time number 1

1 PLU



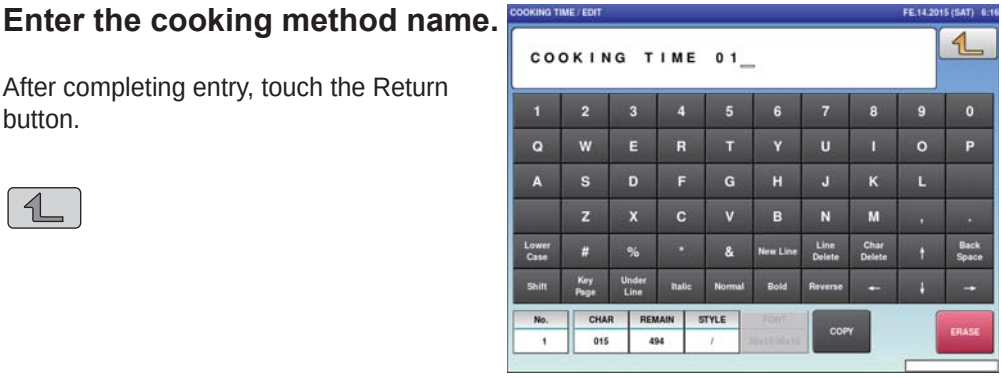
Touch [EXECUTE] once the registration confirmation screen is displayed.
The COOKING TIME / EDIT screen will be displayed.

INFORMATION

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

3. Enter the cooking method name.

After completing entry, touch the Return button.



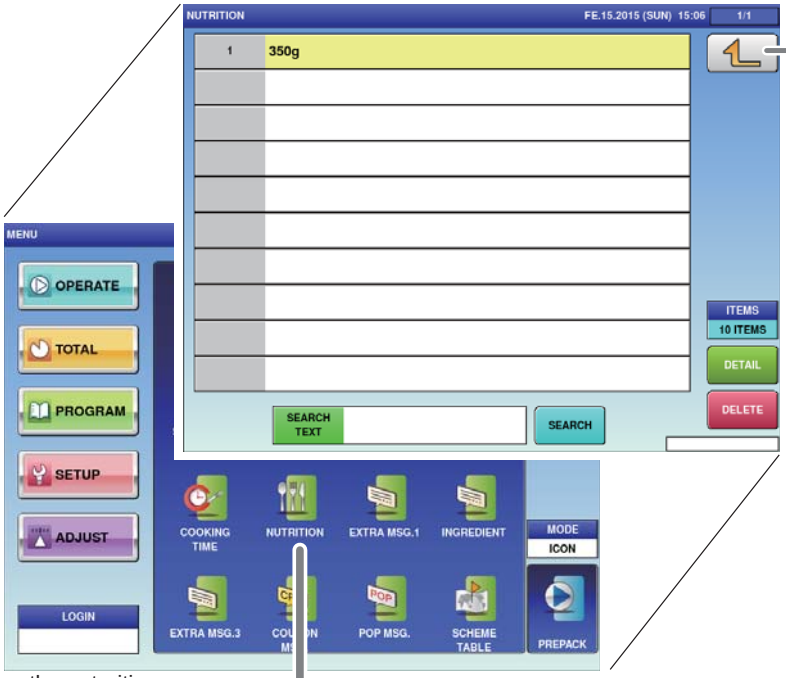
4. Register the cooking time and cooking amount.

0 ••• 9 BASE TIME (min)

0 ••• 9 MIN/kg

4.10 NUTRITIONAL REGISTRATION

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



1. Displays the nutorition screen.

1. Touch [NUTRITION] on the MENU screen.

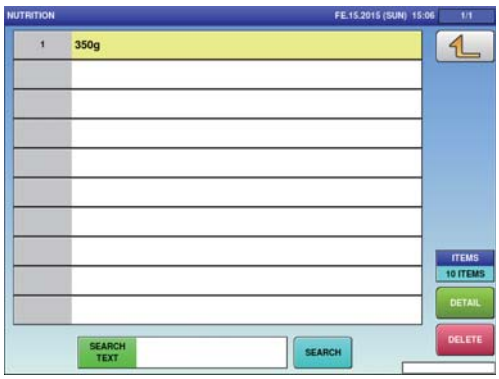
The NUTRITION List screen will be displayed.

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

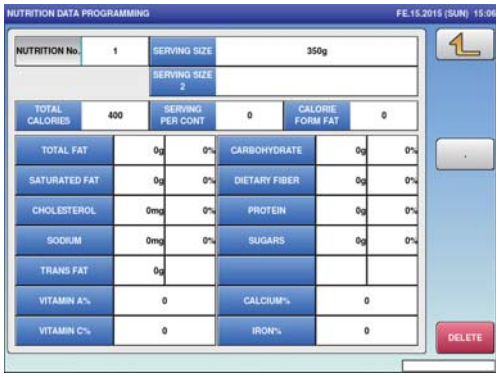
You can enter a nutrition number from 1 to 9999.

Example: Nutrition time number 1

1 PLU



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



INFORMATION

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

3. Enter the serving size.

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

SERVING SIZE

4. Enter the required item.

0 ••• 9	TOTAL CALORIES	0 ••• 9	VITAMIN A%
0 ••• 9	SERVING PER CONT	0 ••• 9	VITAMIN C%
0 ••• 9	CALORIE FORM FAT	0 ••• 9	CARBOHYDORATE
0 ••• 9	TOTAL FAT	0 ••• 9	DIETARY FIBER
0 ••• 9	SATUATED FAT	0 ••• 9	PROTEIN
0 ••• 9	CHOLESTEROL	0 ••• 9	SUGARS
0 ••• 9	SODIUM	0 ••• 9	CALCIUM%
0 ••• 9	TRANS FAT	0 ••• 9	IRON%

4.11 EXTRA MESSAGE REGISTRATION

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

1. Displays the nutorition screen.

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

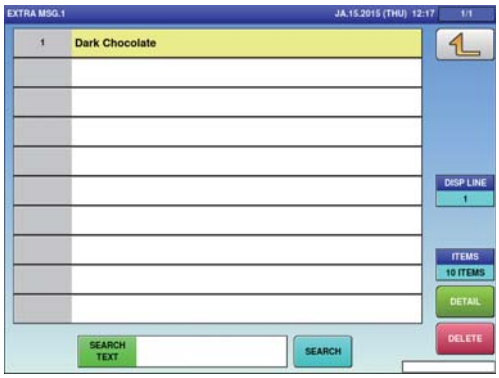
The EXTRA MESSAGE List screen will be displayed.

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

You can enter a message number from 1 to 9999.

Example: Extra message number 1

1 PLU



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

EXEC

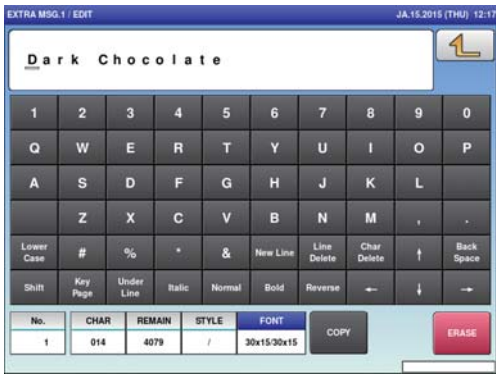
INFORMATION

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

3. Enter the message.

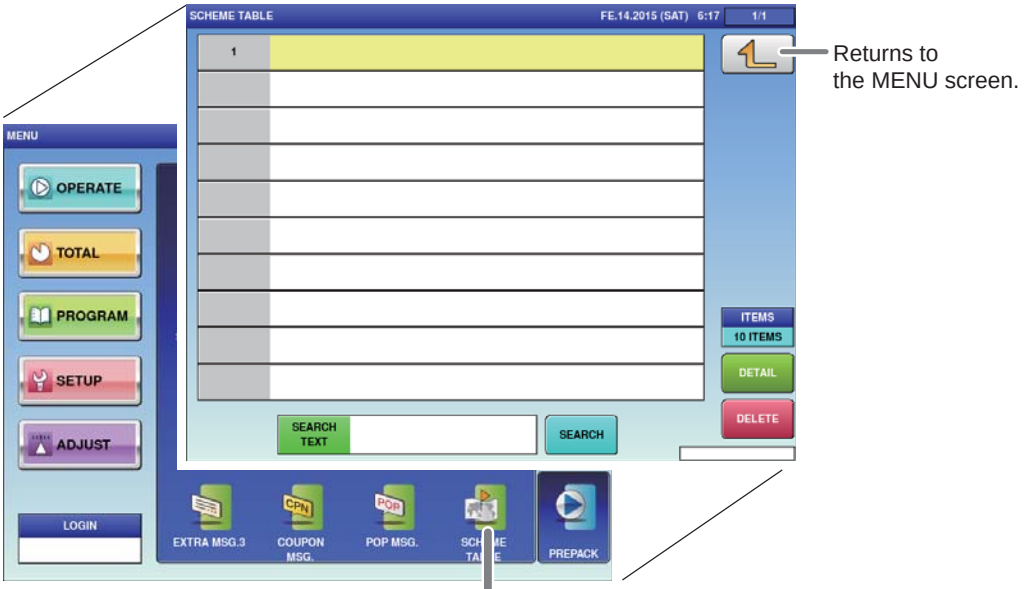
After completing entry, touch the Return button.

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



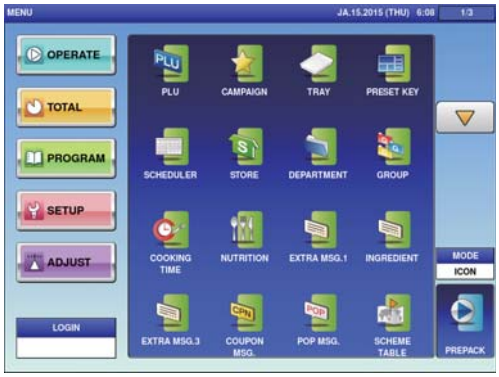
4.12 SCHEME TABLE REGISTRATION

Here you can register scheme tables used for traceability.



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

The SCHEME TABLE List screen will be displayed.

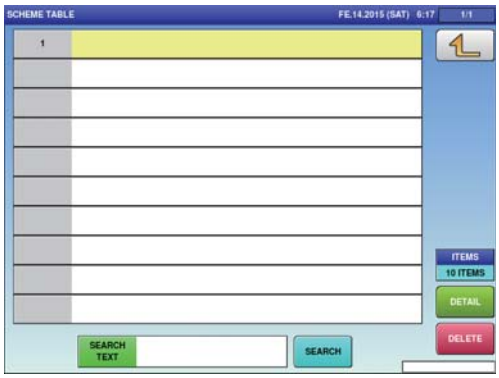


2. Enter the call-up number for the scheme table.

You can enter a table number from 1 to 9999.

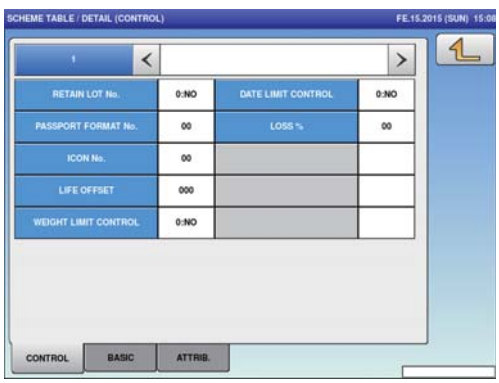
Example: Table number 1

1 PLU



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

EXEC

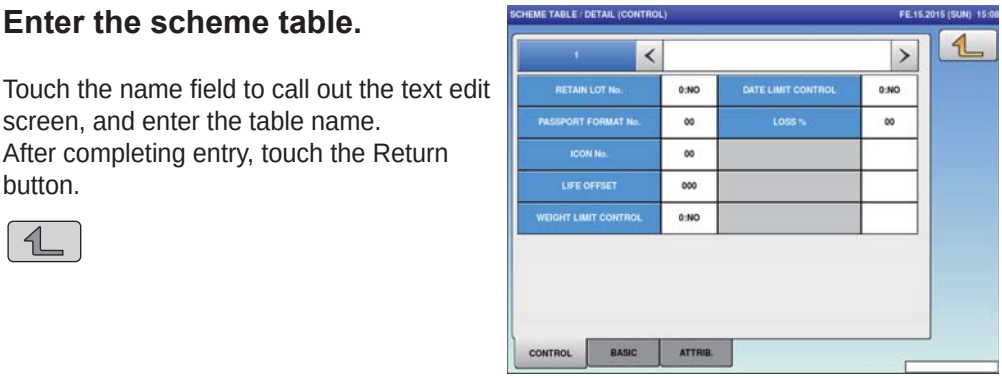


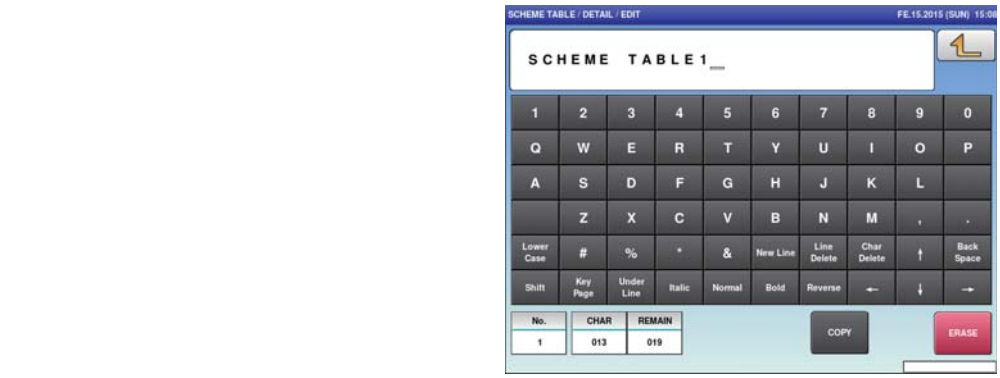
INFORMATION

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

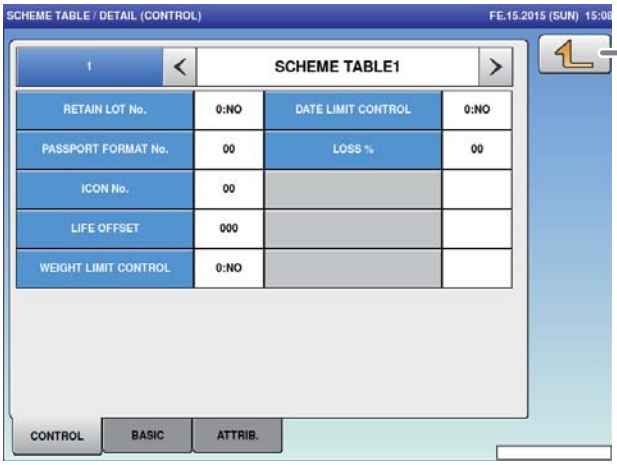
3. Enter the scheme table.

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





4.12.1 SCHEME TABLE / DETAIL (CONTROL) SCREEN REGISTRATION



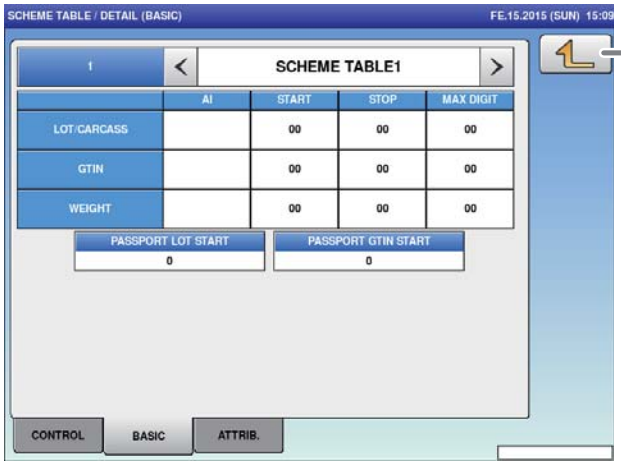
Returns to the PLU List screen.

■REGISTRATION METHOD FOR EACH ITEM

Select the required item and enter the details.

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

4.12.2 SCHEME TABLE / DETAIL (BASIC) REGISTRATION



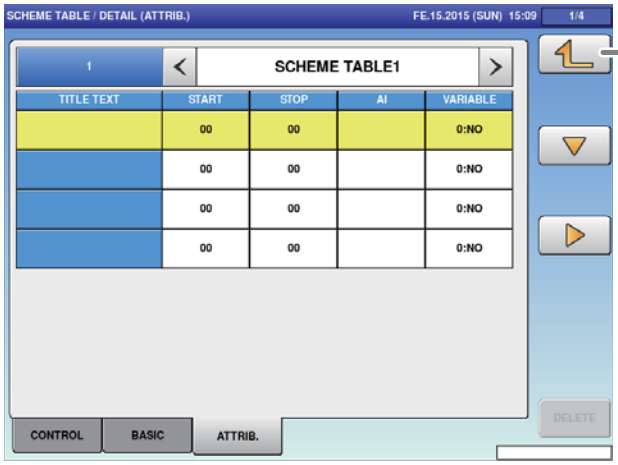
Returns to the PLU List screen.

■REGISTRATION METHOD FOR EACH ITEM

Select the required item and enter the details.

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

4.12.3 SCHEME TABLE / DETAIL (ATTRIB.) REGISTRATION



Returns to the PLU List screen.

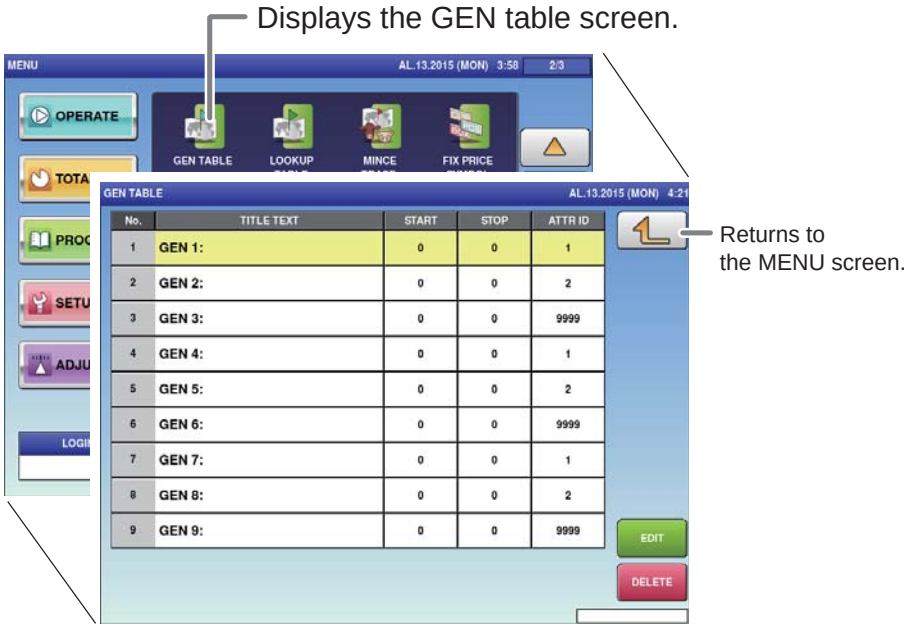
■REGISTRATION METHOD FOR EACH ITEM

Select the required item and enter the details.

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

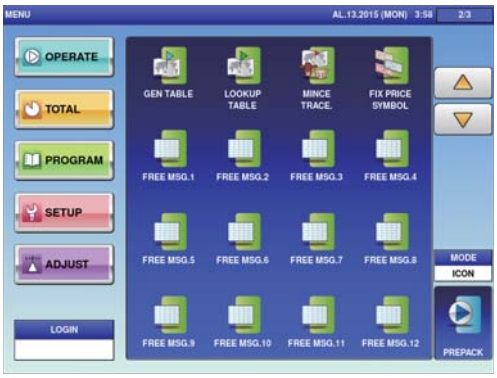
4.13 GEN TABLE REGISTRATION

Here you can register GEN tables used for traceability.



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

The GEN TABLE screen will be displayed.



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

You can enter a table number from 1 to 9999.

Example: Table number 1

1 PLU

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

EXEC

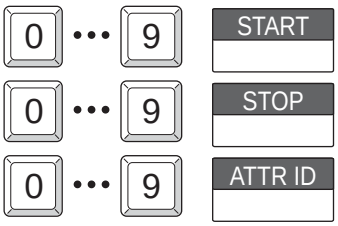
INFORMATION

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

3. Enter the table name.

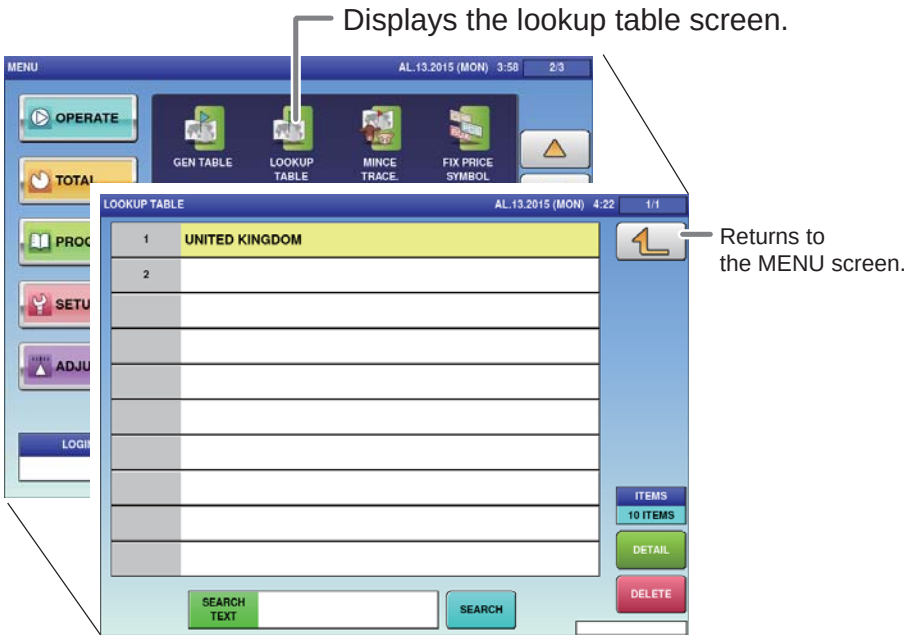
After completing entry, touch the Return button.

4. Enter the required item.



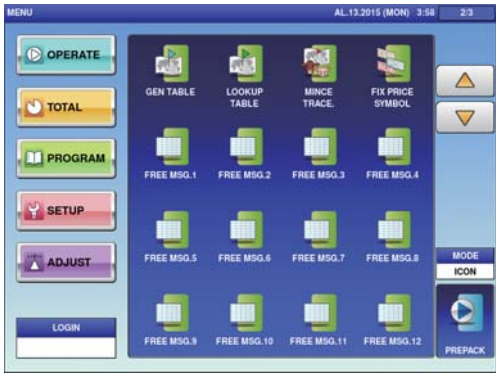
4.14 LOOKUP TABLE REGISTRATION

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



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

The LOOKUP TABLE List screen will be displayed.

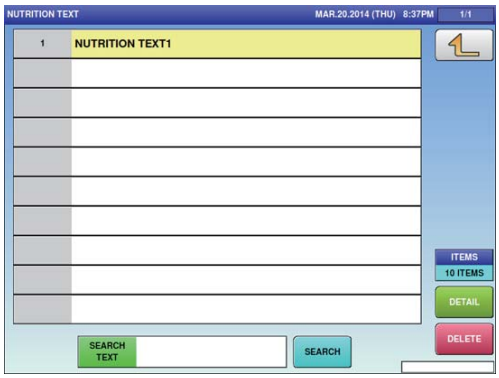


2. Enter the call-up number for the table.

You can enter a table number from 1 to 9999.

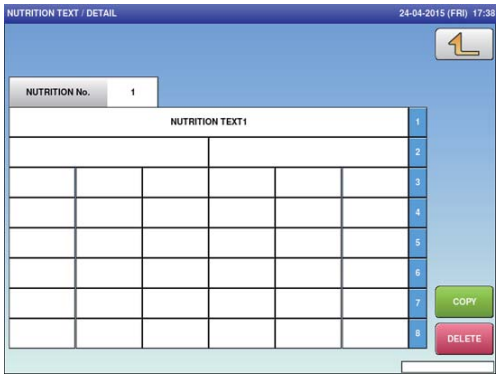
Example: Table number 1

1 PLU



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

EXEC

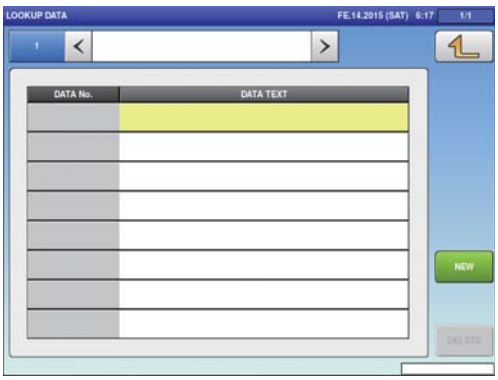


REFERENCE

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

3. Enter the lookup table name.

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

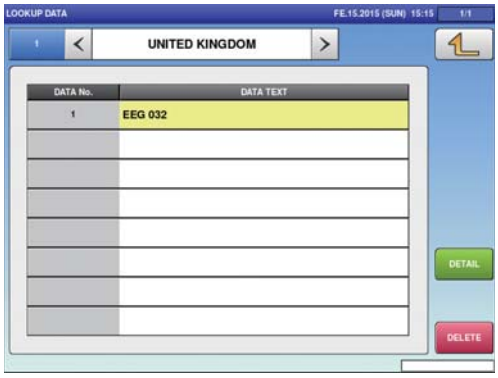


4. Enter the call-up number for the table data.

You can enter a table number from 1 to 9999.

Example: Table number 1

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



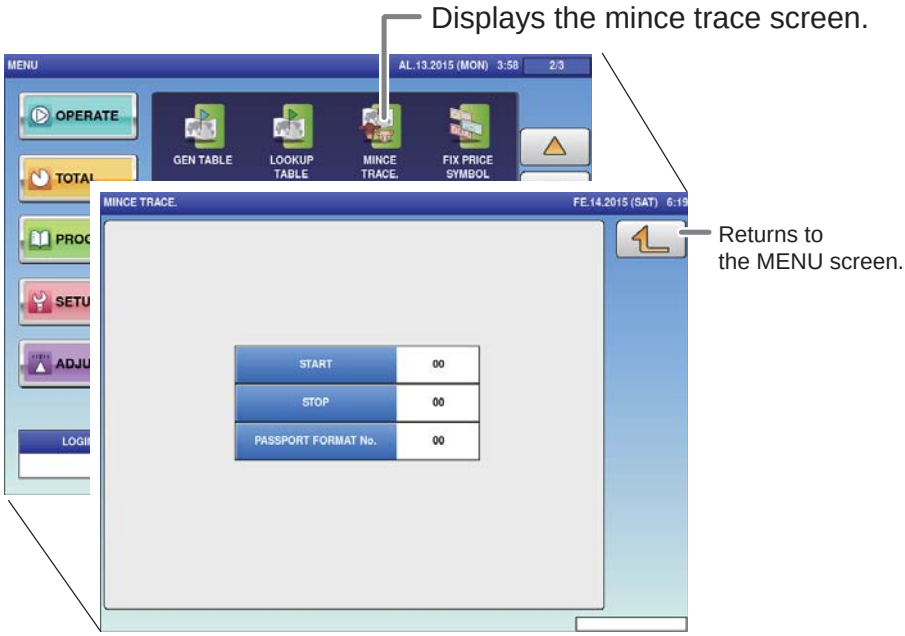
To edit the registered lookup table data, touch the field of lookup table data you want to modify and then touch [DETAIL]. Touching [DELETE] will delete the data.

5. Enter the data name.

After completing entry, touch the Return button.

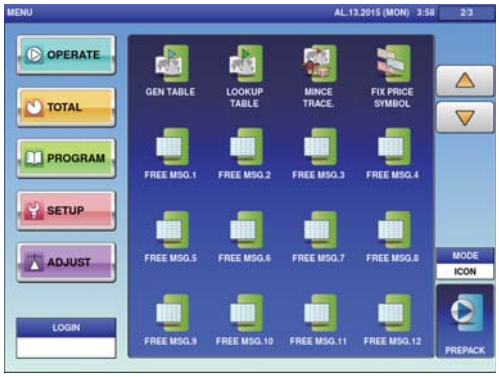
4.15 MINCE TRACE REGISTRATION

Here you can register information regarding the traceability of mincemeat.



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

The MINCE TRACE screen will be displayed.

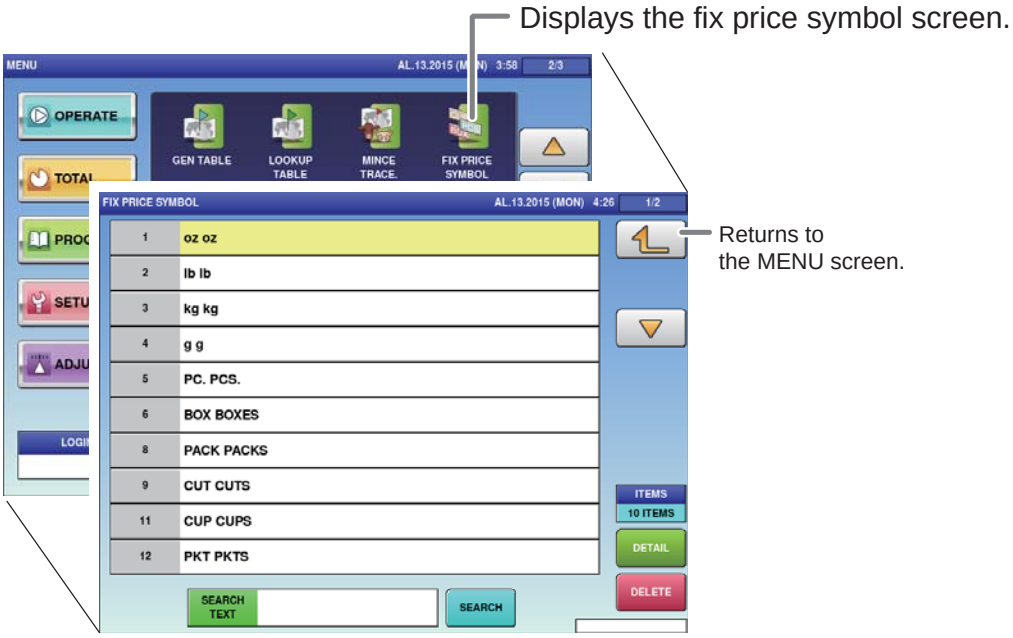


2. Register required items.

0 ••• 9	START
0 ••• 9	STOP
0 ••• 9	PASSPORT FORMAT No.

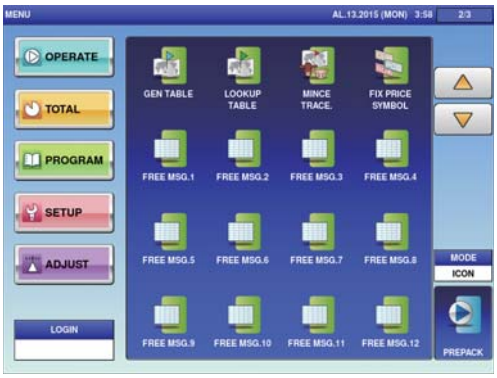
4.16 FIXED PRICE SYMBOL REGISTRATION

Here you can register the counting symbols for commodities.



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

The FIX PRICE SYMBOL screen will be displayed.

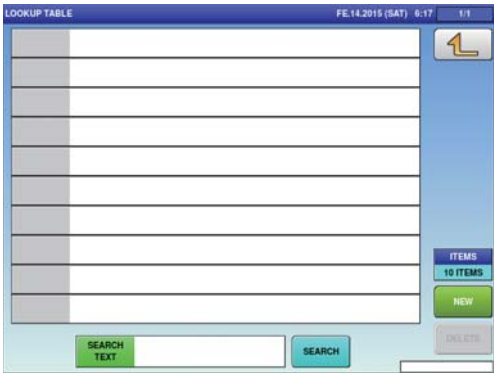


2. Enter the call-up number for the price symbol.

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

Example: Table number 1

1 PLU



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

EXEC

INFORMATION

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

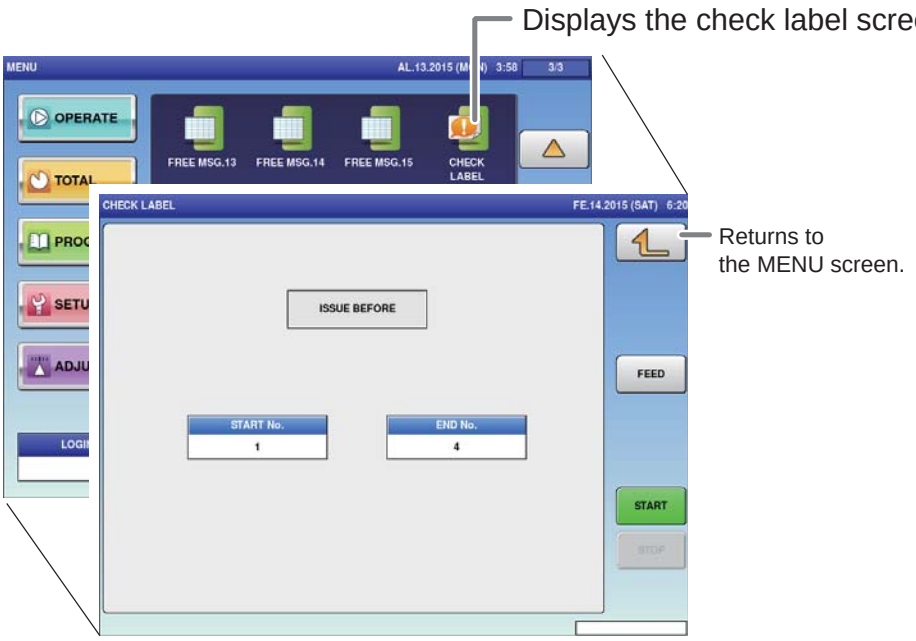
3. Enter the counting symbol.

After completing entry, touch the Return button.

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

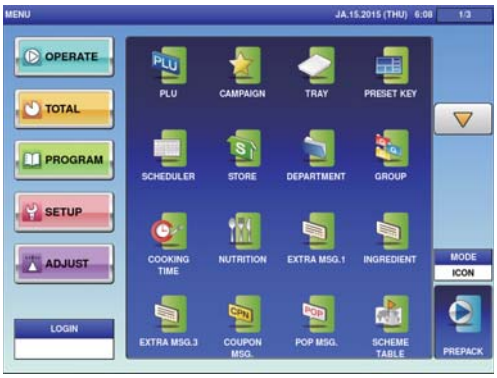
4.17 LABEL DATA CHECK

Here you can check labels through actual printing.



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

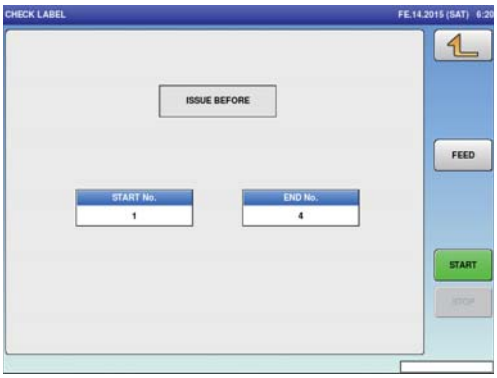
The CHECK LABEL screen will be displayed.



2. Enter required items.

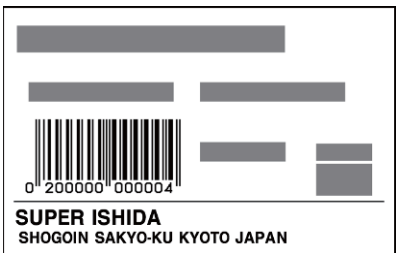
0 ••• 9 START No.

0 ••• 9 END No.



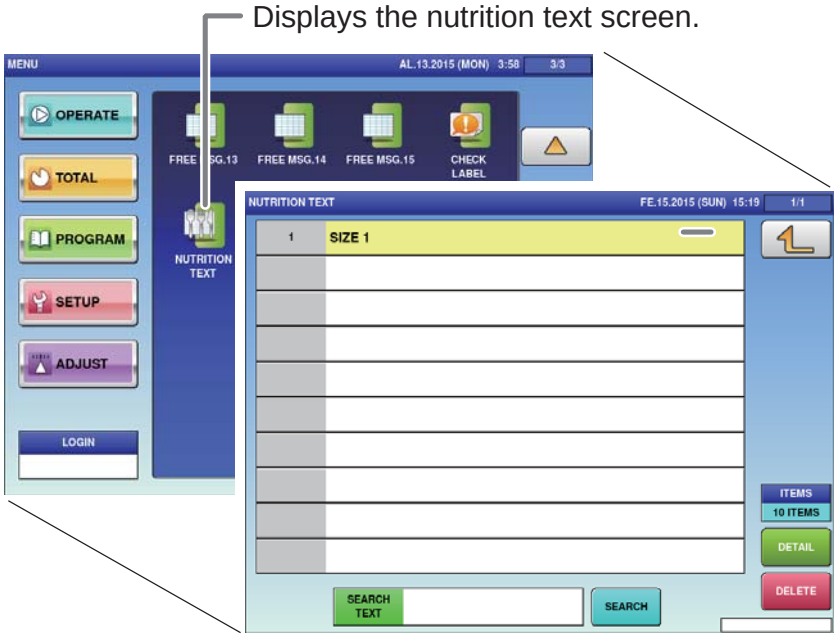
3. Touch [START] to print the label.

START



4.18 NUTRITION TEXT REGISTRATION

Here you can register data such as information on nutrition.



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

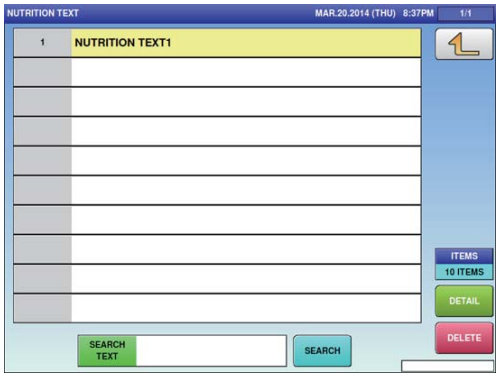
The NUTRITION TEXT List screen will be displayed.

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

You can enter a text number from 1 to 9999.

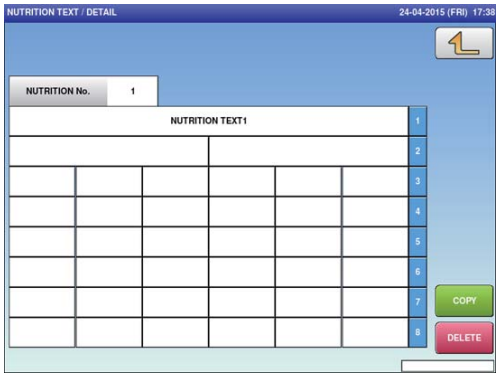
Example: Text number 1

1 PLU



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

EXEC

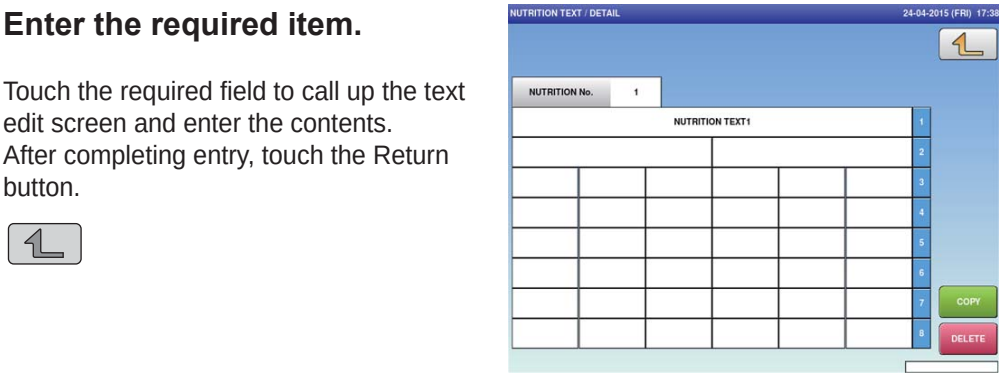


REFERENCE

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

3. Enter the required item.

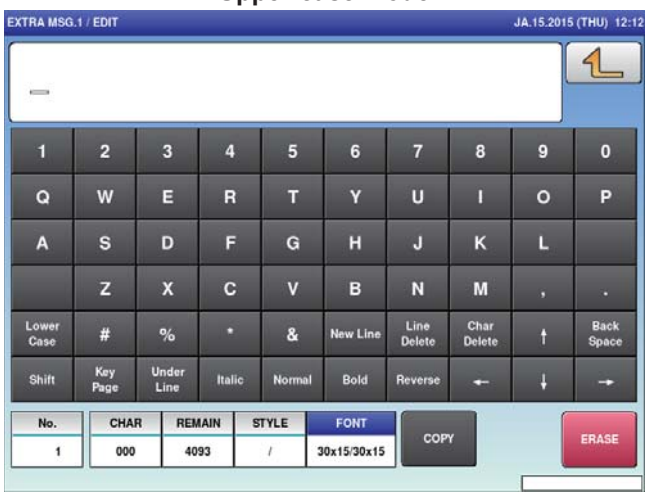
Touch the required field to call up the text edit screen and enter the contents.
After completing entry, touch the Return button.



4.19 CHARACTER ENTRY METHOD

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

Upper-case mode



Lower-case mode

■EDIT KEYS

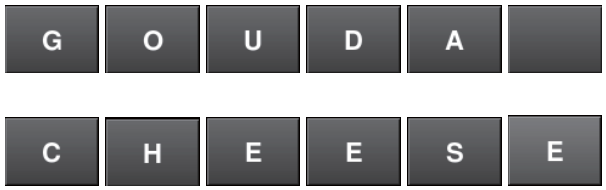
Lower Case	Character modes.
New Line	Used to begin a new line.
Line Delete	Used to delete a line text at the place where the cursor is placed.
Char Delete	Used to delete a character at the place where the cursor is placed.
Back Space	Used to delete a character by moving the cursor back by one character.
Under Line	Used to specify an underlined character font style.

Normal	Used to specify a bold character font style.
Reverse	Used to specify a reverse character font style.
Bold	Used to specify a reverse character font style.
→	Used to move the cursor to the right.
←	Used to move the cursor to the left.
↑	Used to move the cursor up.

Italic	Used to specify an Italic character style.	↓	Used to move the cursor down. Also used to select characters for changing the style.
COPY	Used to copy the original data to the current data.		Used to enter a space.
ERASE	Used to erase the full text currently being called.		
Key Page	Used to display the following key screen.		
Shift	sed to display the following key screen.		

4.19.1 TEXT EDITING

1. **Enter desired characters using alpha-numeric keys.**



Upper-case characters

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

Enter desired characters.

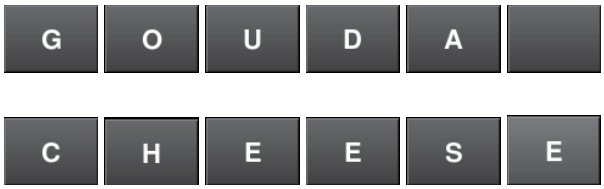
3. **To register the editing, press the Return button.**

4.19.2 FONT STYLE SELECTION

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

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

2. **Enter desired characters using alpha-numeric keys.**

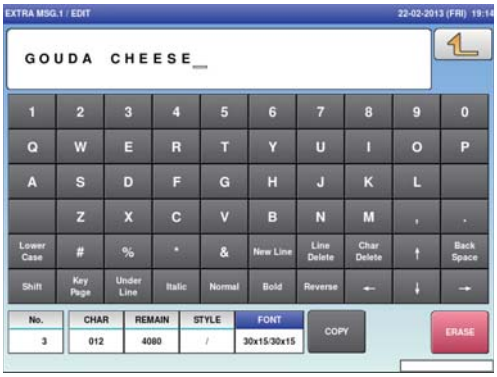


3. **Press the Return key to register the editing.**

4.19.3 LINE DATA DELETION

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

Line Delete



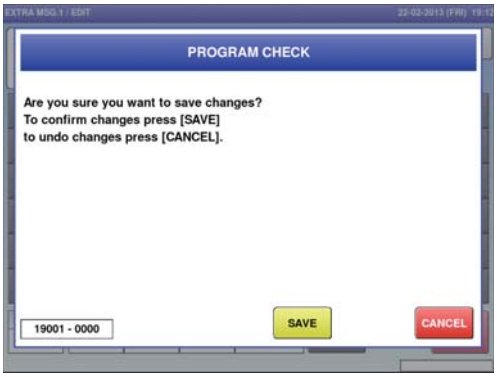
2. **The line data has been deleted. Press the Return button to register the deletion.**

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

SAVE

To undo changes, press [CANCEL].

CANCEL



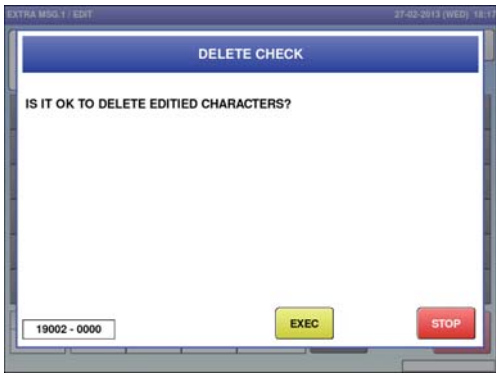
4.19.4 DATA ERASE

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

ERASE

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

EXEC



3. **The full text has been erased.**

4.19.5 DATA COPY

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

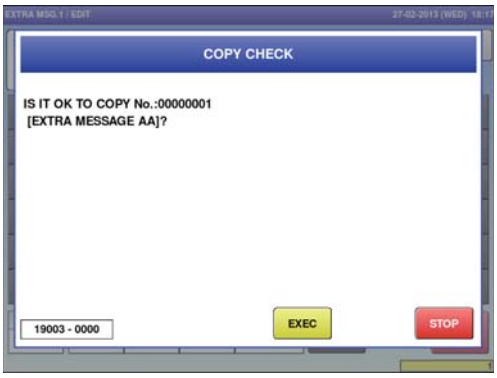
2. **Then, enter a numerical value and press the [SET] key on the keypad.**

SET

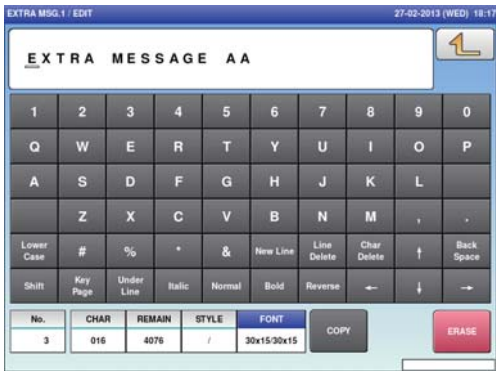
3. **Press the [COPY] key while the number is displayed in the INPUT field.**

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

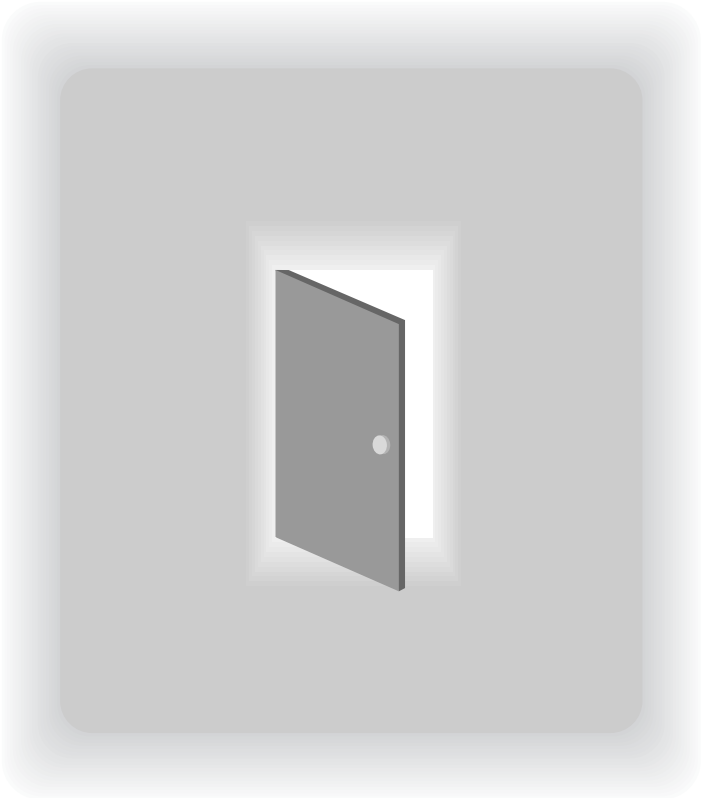
COPY



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



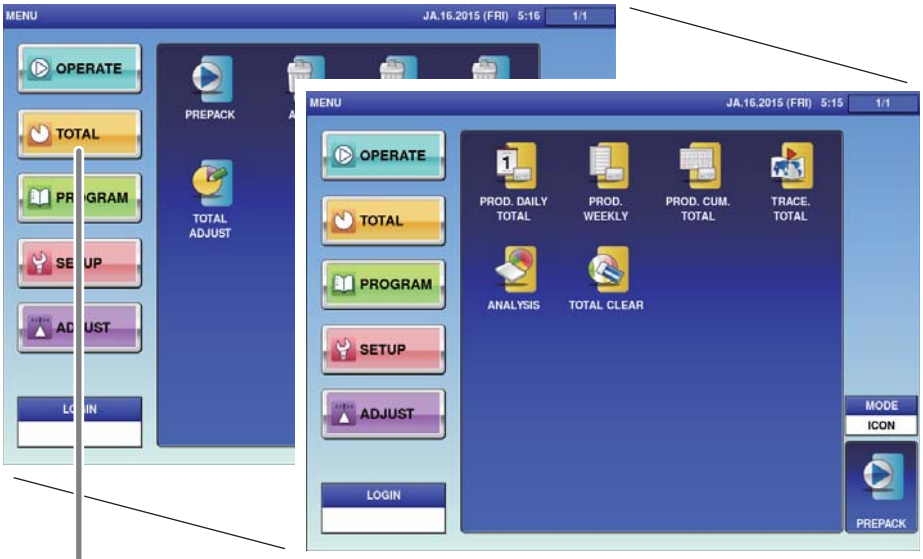
Memo



CHAPTER 5

DATA TOTALIZATION

5.1 CHANGE TO TOTAL MODE



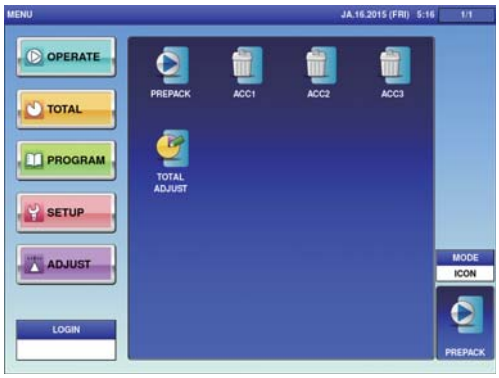
2 The total menu screen is displayed.

1. Touch the Return bottun the initial screen in Production Mode.

The main menu screen is displayed.

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

The total menu screen is displayed.



REFERENCE

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

5.2 TOTALS

This section provides a brief explanation about various totals.

■ PROD. DAILY TOTAL

Total data on the production day is displayed.

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

■ WEEKLY TOTALS

Displays the totalized production data for one week.

■ PROD. COM. TOTAL

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

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

■ TRACE. TOTAL

Displays the total of production data for each traceability data.

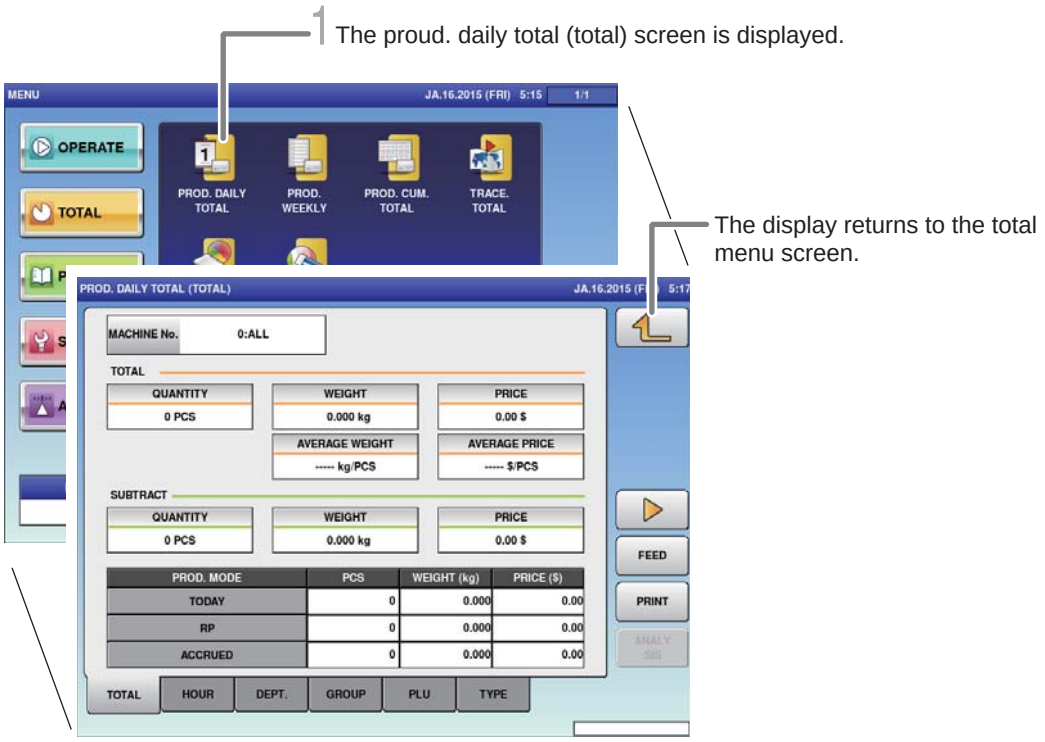
■ ANALYSES

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

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

5.3 GRAND TOTAL

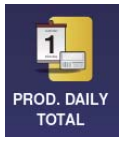
Production quantities, weights, and prices are totalized. This section provides a brief explanation by taking an example of Prod. Daily Total (TOTAL).



⚠ CAUTION

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

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



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

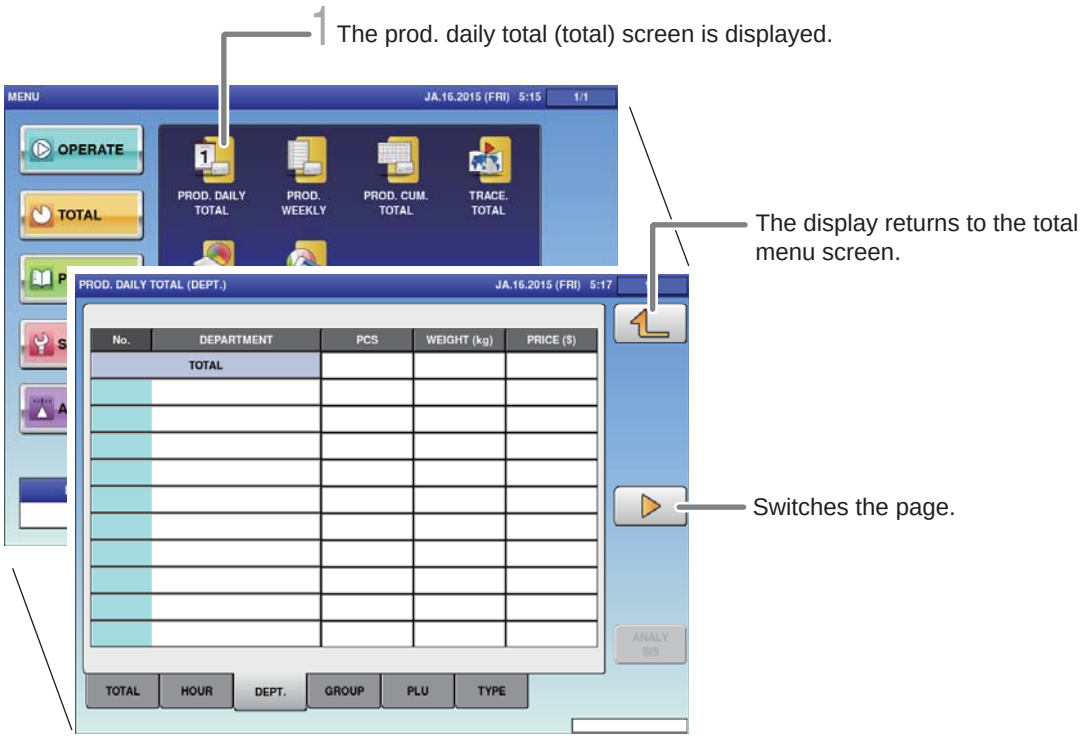
2. Touch the [TOTAL] tab on the prod. daily total (total) screen.

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

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

5.4 TOTAL PER DEPARTMENT

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



⚠ CAUTION

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

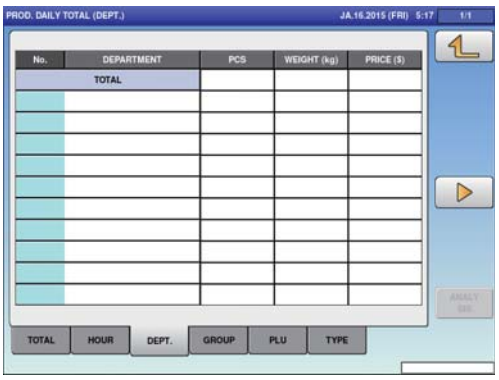
1. Touch [PROD. DAILY TOTAL] on the total menu screen.

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

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

DEPT.

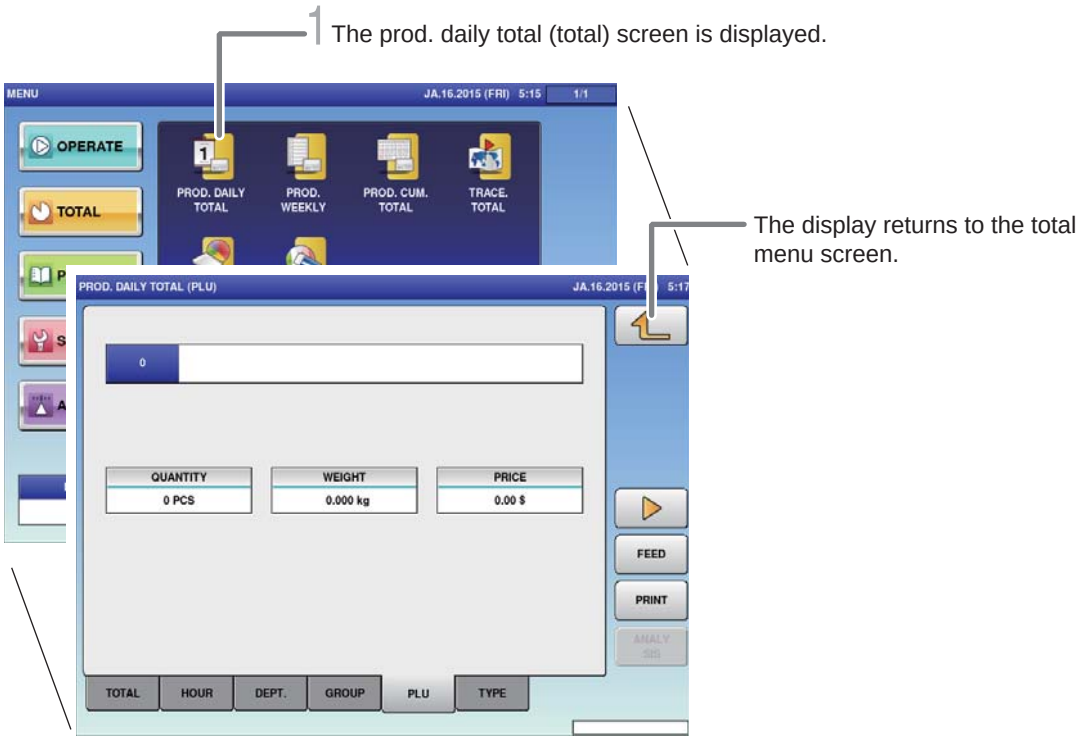
The display changes to the prod. daily total(dept.) screen, and the quantity, weight, and price are displayed.



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

5.5 DESIGNATED ITEM TOTAL

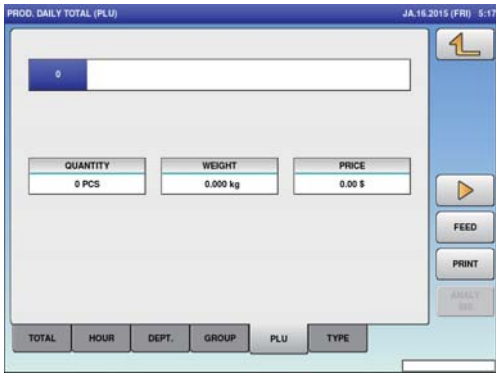
The arbitrary item data is totalized. This section provides a brief explanation by taking an example of Prod. Daily Total (PLU) Item Total.



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

PLU

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



CAUTION

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

2. Call up an item.

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

0 ••• 9 PLU

NOTE

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

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

PRINT

The total label for the designated item is issued.

INFORMATION

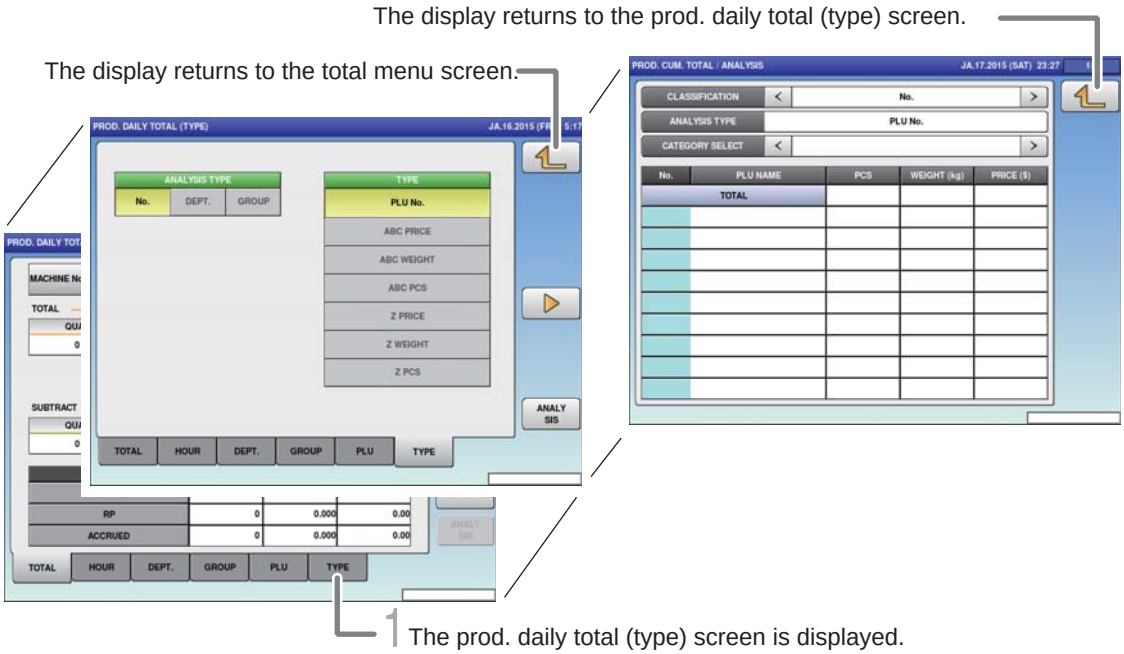
When feeding the label, press the [FEED] key.

FEED

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

5.6 TOTAL PER TYPE

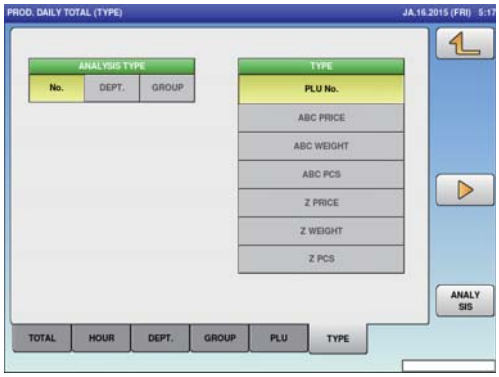
The production quantity, weight, and price per item are totalized. This section provides a brief explanation by taking an example of Prod. Daily Total (TYPE).



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

TYPE

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



⚠ CAUTION

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

2. Select the analysis type.

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

3. Select the analysis type.

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

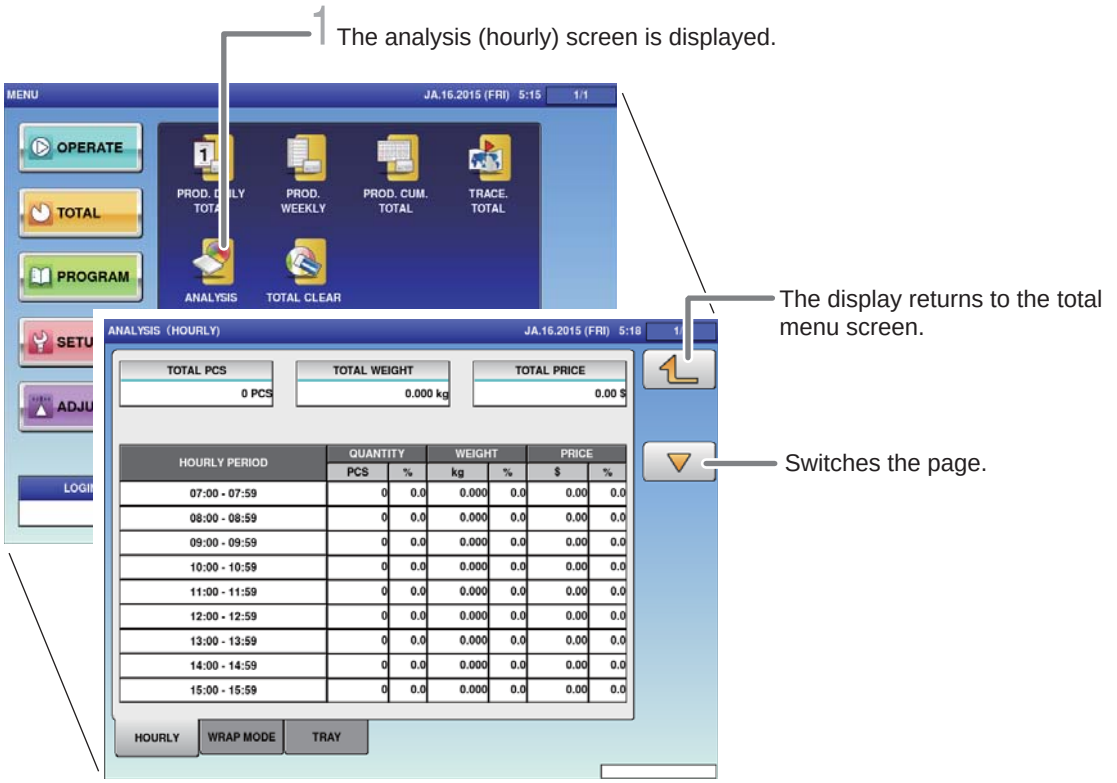
4. Touch [ANALYSIS].

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

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

5.7 TOTAL PER HOUR

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



5

CAUTION

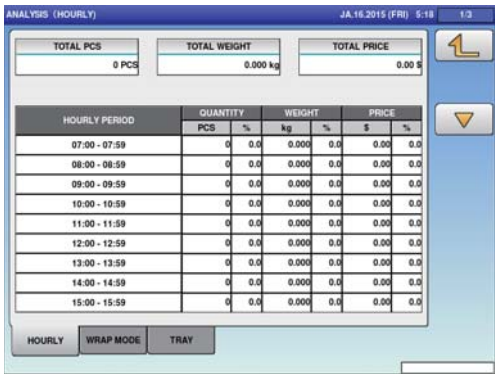
Totals cannot be printed out from this machine. The connection of an external device is required to print out totals.
For details, consult your ISHIDA dealer.

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

The analysis (hourly) screen is displayed.

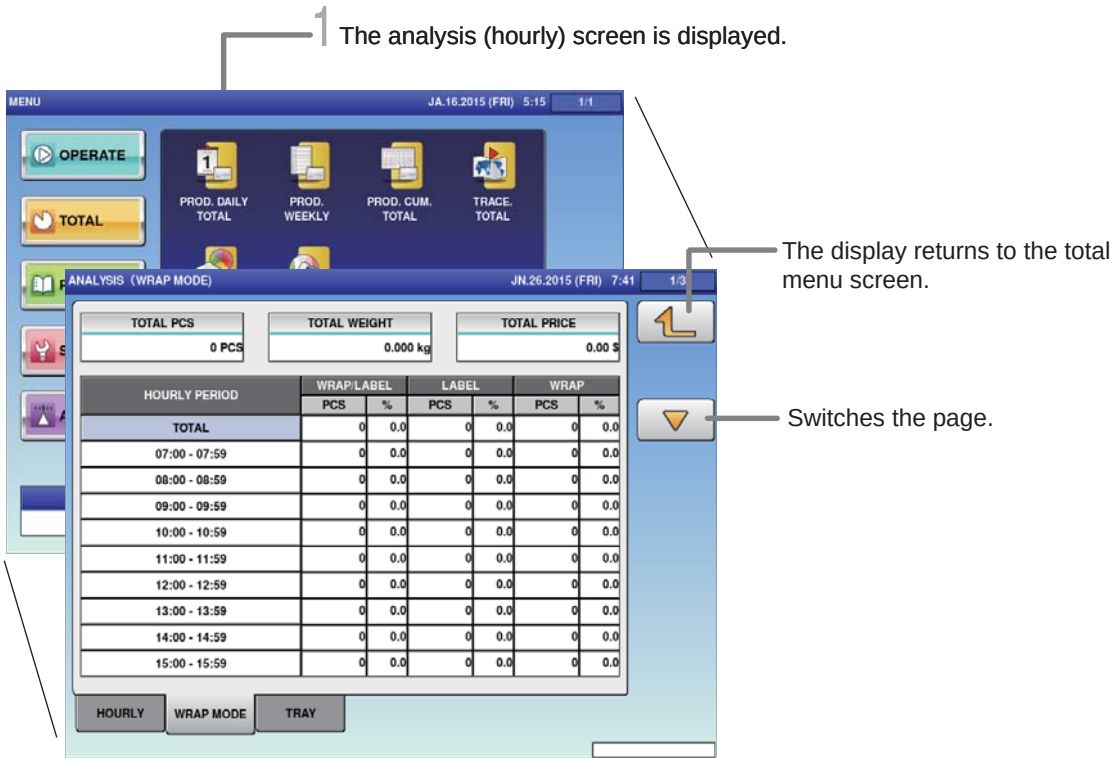
2. Touch the [HOURLY] tab on the work analysis (hourly) screen.

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



5.8 TOTAL PER WRAPPING MODE

Displays the production data by the hour for each wrapping mode



CAUTION

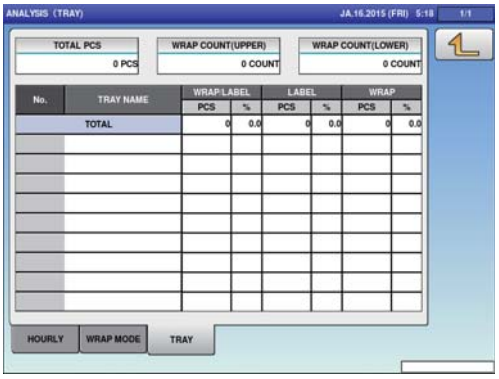
For output of the data, connection by an exterior device is required.
For details, contact your ISHIDA service representative.

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

The analysis (hourly) screen is displayed.

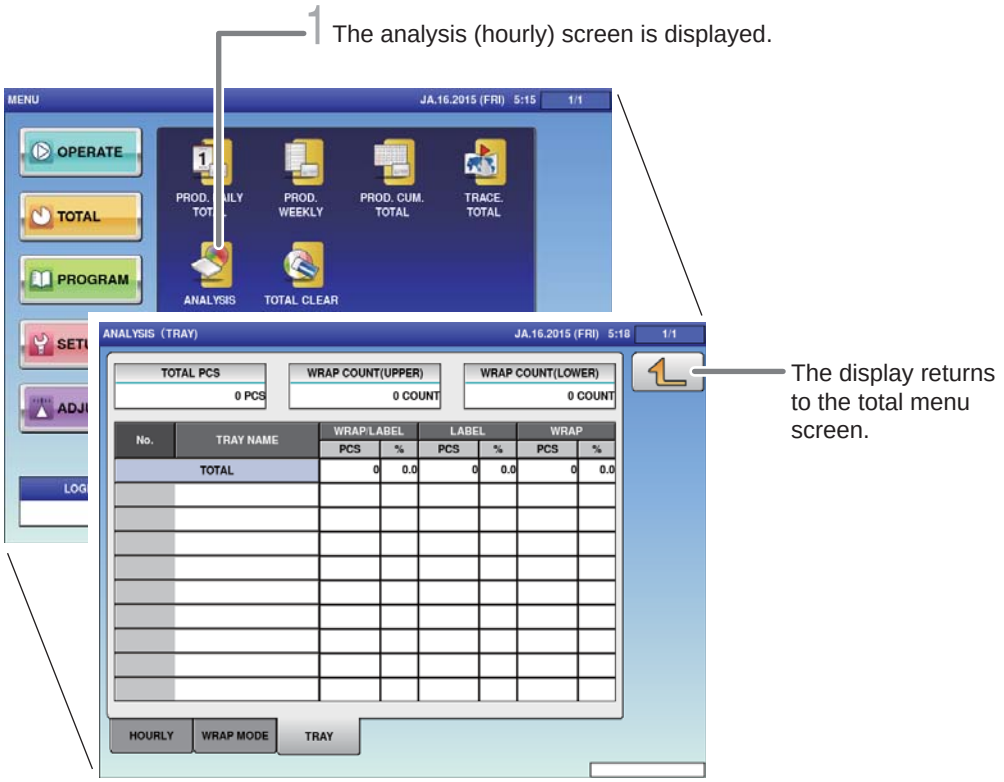
2. Touch the [WRAP MODE] tab on the work analysis (hourly) screen.

The analysis (wrap mode) screen is displayed.



5.9 TOTAL PER TRAY

The production data is totalized and displayed per tray.



⚠ CAUTION

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

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

The analysis (hourly) screen is displayed.

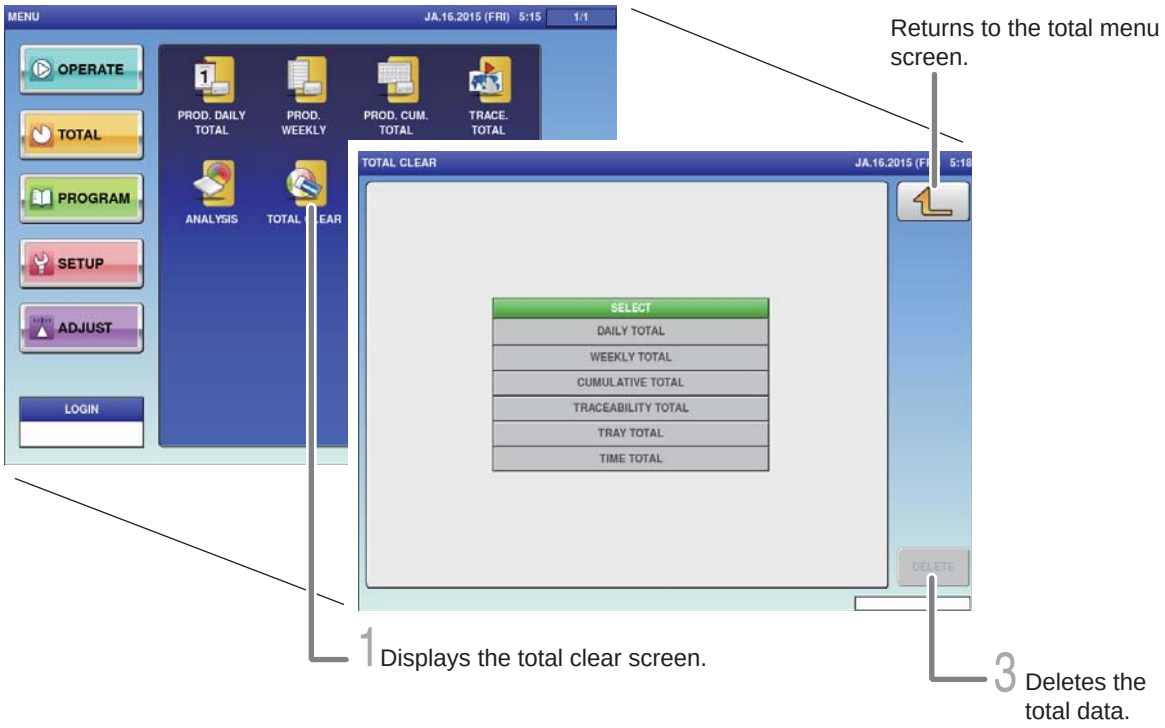
2. Touch the [TRAY] tab on the analysis (hourly) screen.

The analysis (tray) screen is displayed.

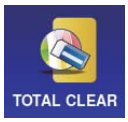
5

5.10 TOTAL CLEAR

Accumulated total data can be cleared.



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



The total clear screen is displayed.

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

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

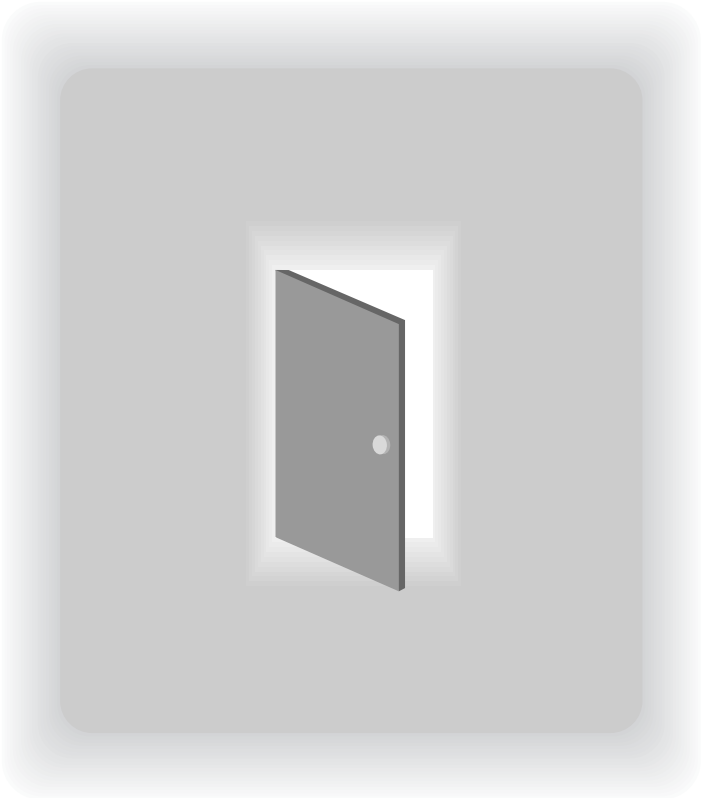
3. Touch [DELETE] to clear the selected totals.

DELETE

The delete confirmation screen is displayed.

EXECUTE

Touch [EXECUTE].

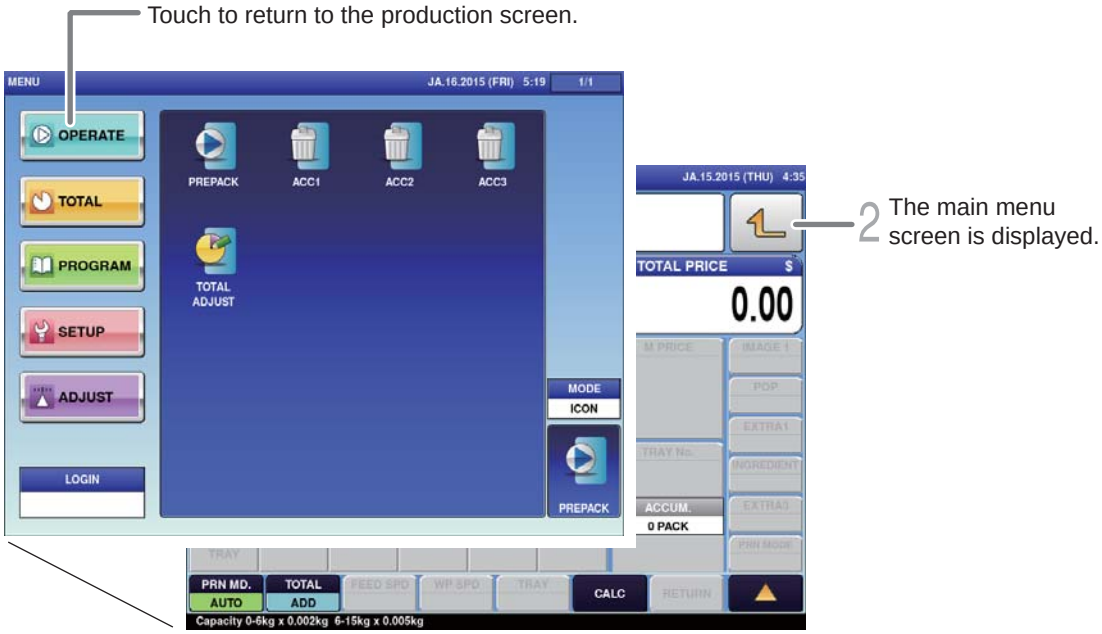


CHAPTER 6

TOTAL DATA CORRECTION

6.1 SWITCHING TO SUBTRACTION MODE

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



CAUTION

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

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

The main menu screen is displayed.

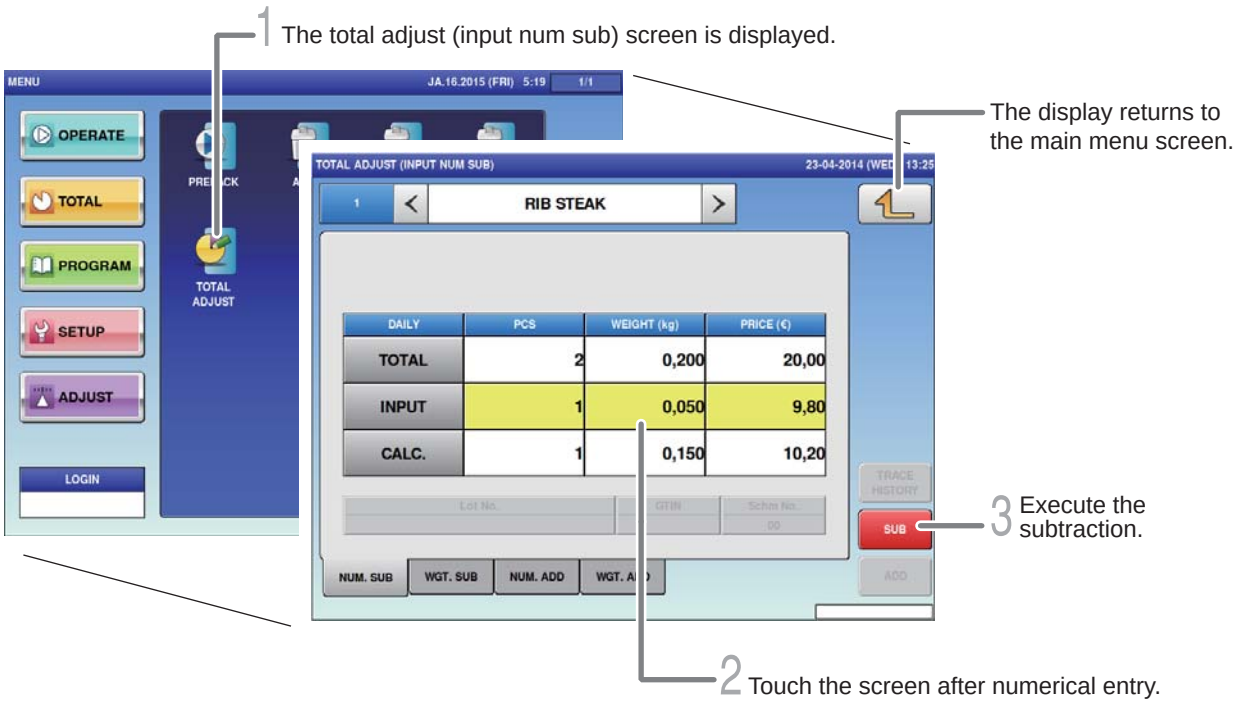
2. Touch [TOTAL ADJUST] on the Production Mode menu screen.

TOTAL ADJUST

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

6.2 SUBTRACTION BY NUMERICAL ENTRY

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



REFERENCE

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

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

NUM. SUB

The total adjust (input num sub) is displayed.

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

0 ••• 9	INPUT	0	0	0

3. Execute the subtraction.

SUB

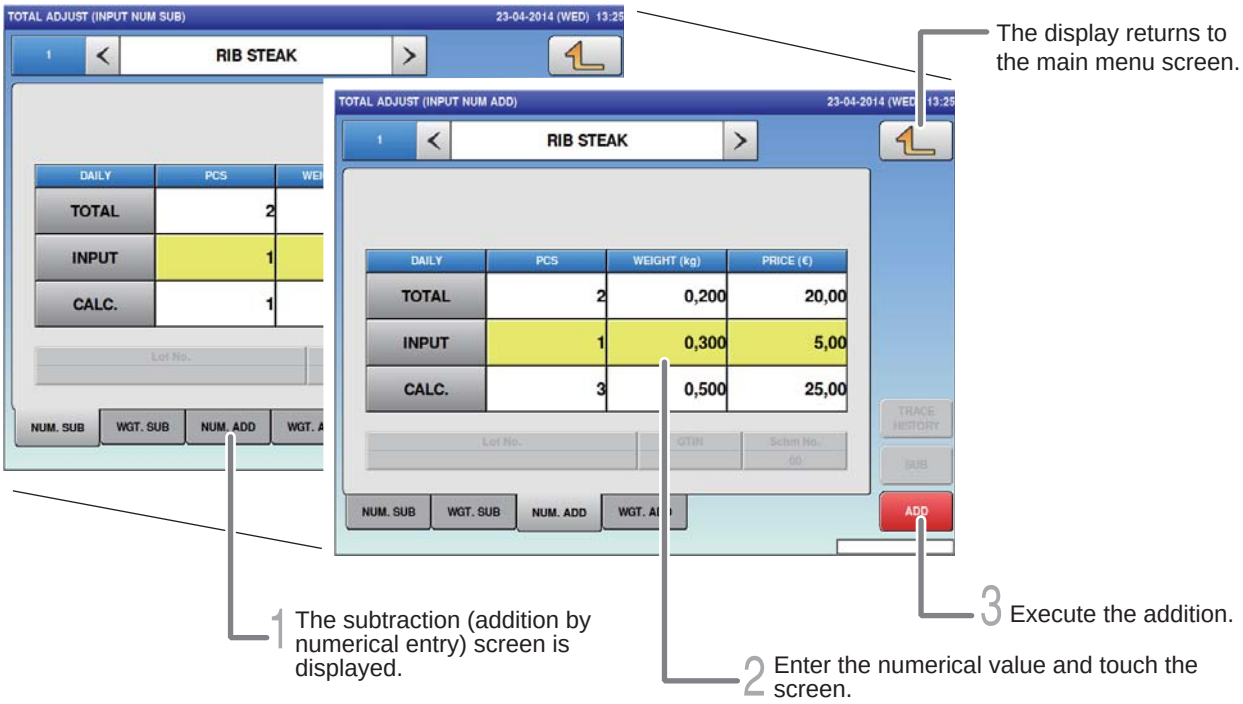
Touch [SUB] to display the subtraction confirmation screen.

EXECUTE

Touch [EXECUTE].

6.3 ADDITION BY NUMERICAL ENTRY

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



REFERENCE

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

1. Touch the [NUM.ADDl tab on the subtraction screen.

NUM. ADD

The total adjust (input num sub) is displayed.

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

0 ••• 9 | INPUT | 0 | 0 | 0

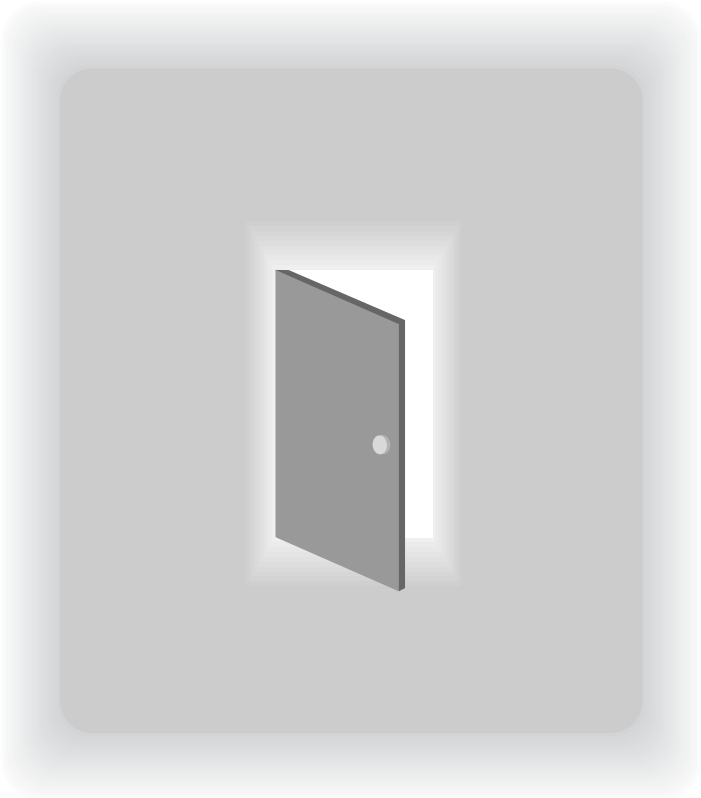
3. Execute the addition operation.

ADD

Touch [ADD] to display the addition confirmation screen.

EXECUTE

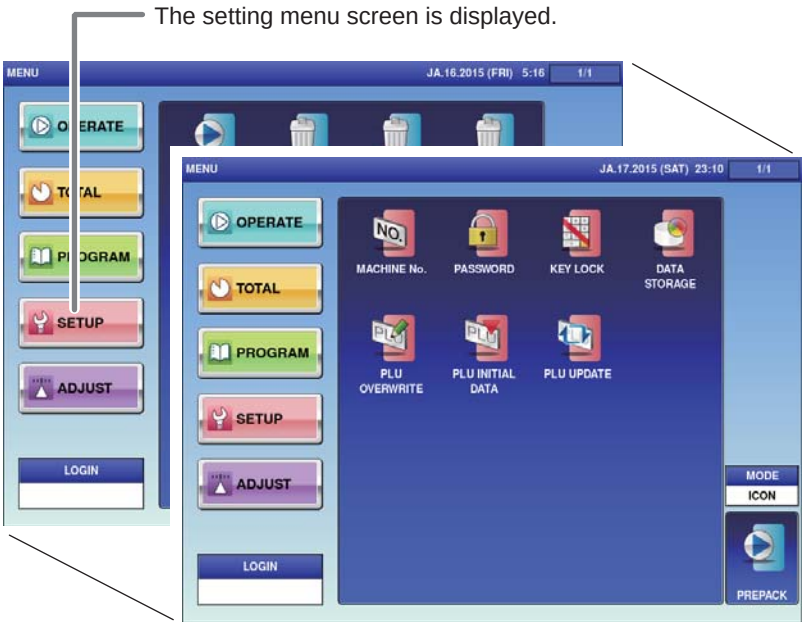
Touch [EXECUTE].



CHAPTER 7

SETTING MODE

7.1 SWITCHING TO SETTING MODE



1. **Touch the Return botton on the initial screen in Production Mode.**

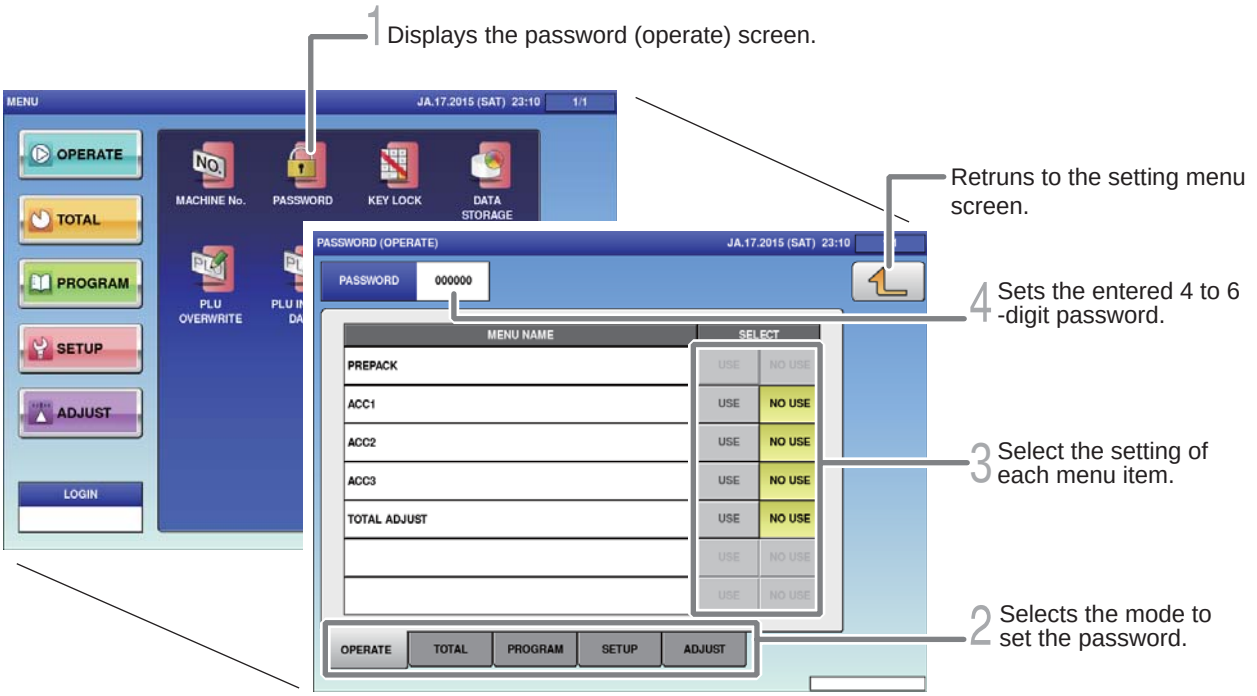
The main menu screen is displayed.

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

The setting menu screen is displayed.

7.2 PASSWORD SETTINGS

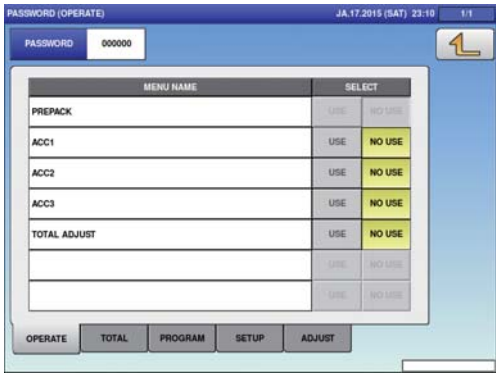
This section describes the method of setting passwords for menu items in each mode.



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

Displays the password (operate) screen.

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



3. Select the setting of each menu item.

USE	NO USE

⚠ CAUTION

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

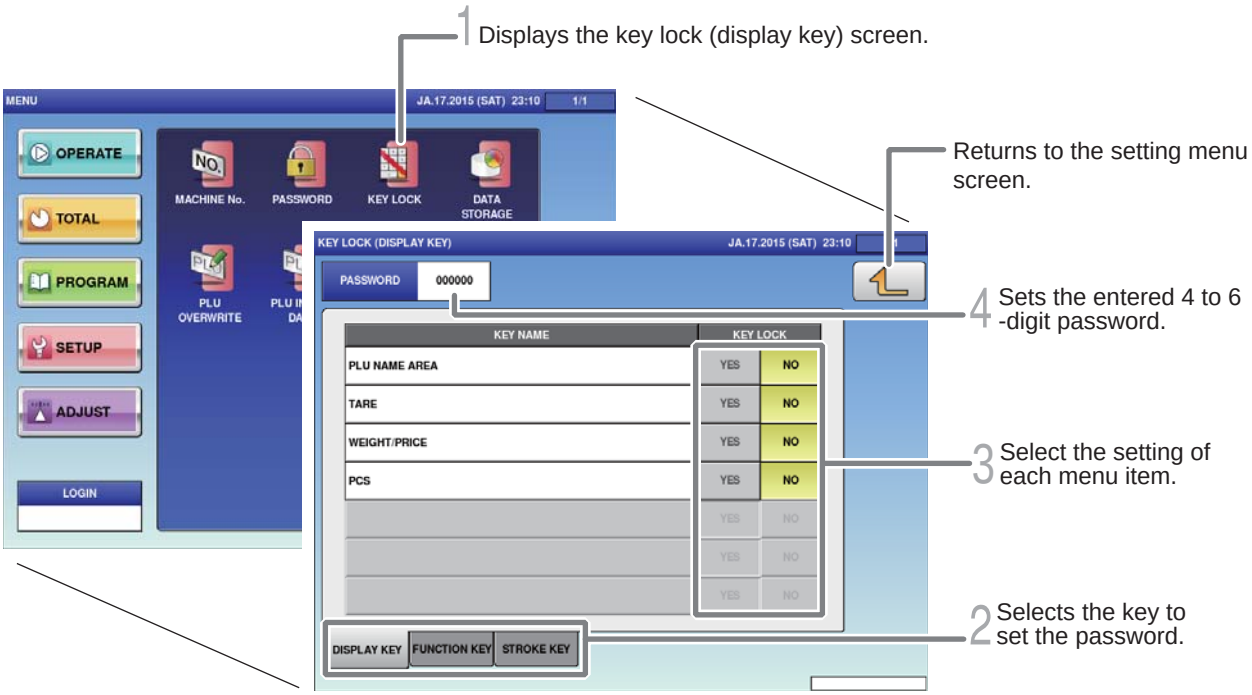
4. Enter the password.

Password (4 to 6-digit)

The entered password is displayed.

7.3 KEY LOCK SETTINGS

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



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

The key lock (display key) screen is displayed.

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

3. Select the setting of each function key.

USE	NO USE

CAUTION

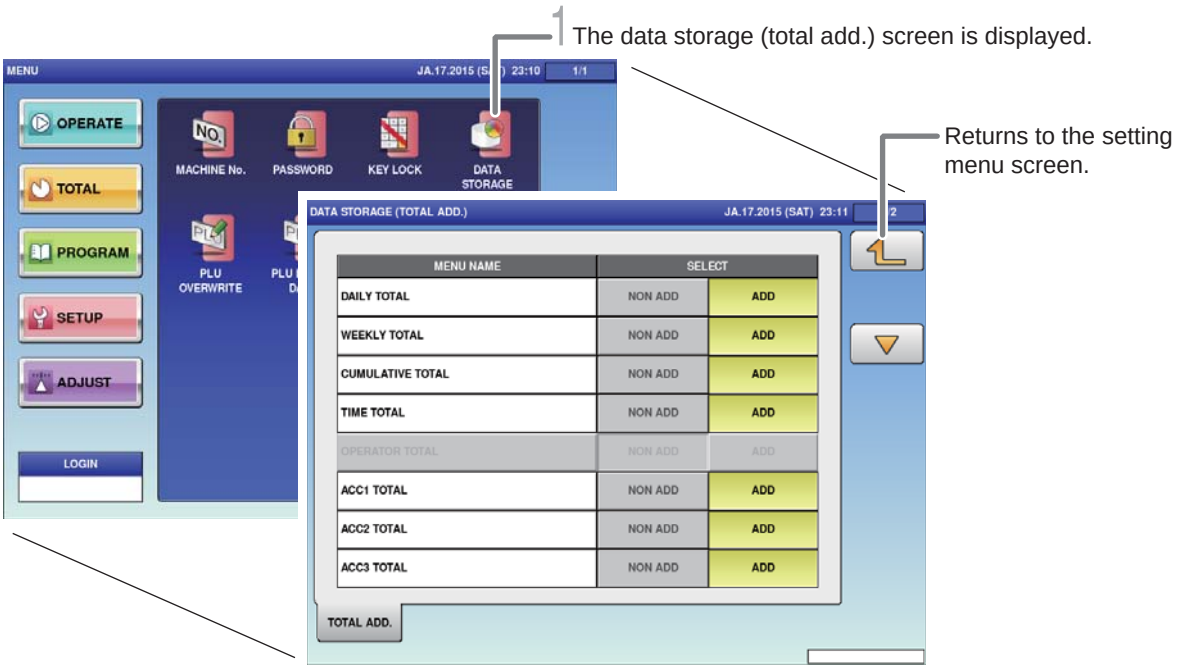
The manager is requested to write down the passwords so as not to forget them.

4. Enter the password.

Password (4 to 6-digit)

The entered password is displayed.

7.4 TOTAL ADDITION SETTINGS



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

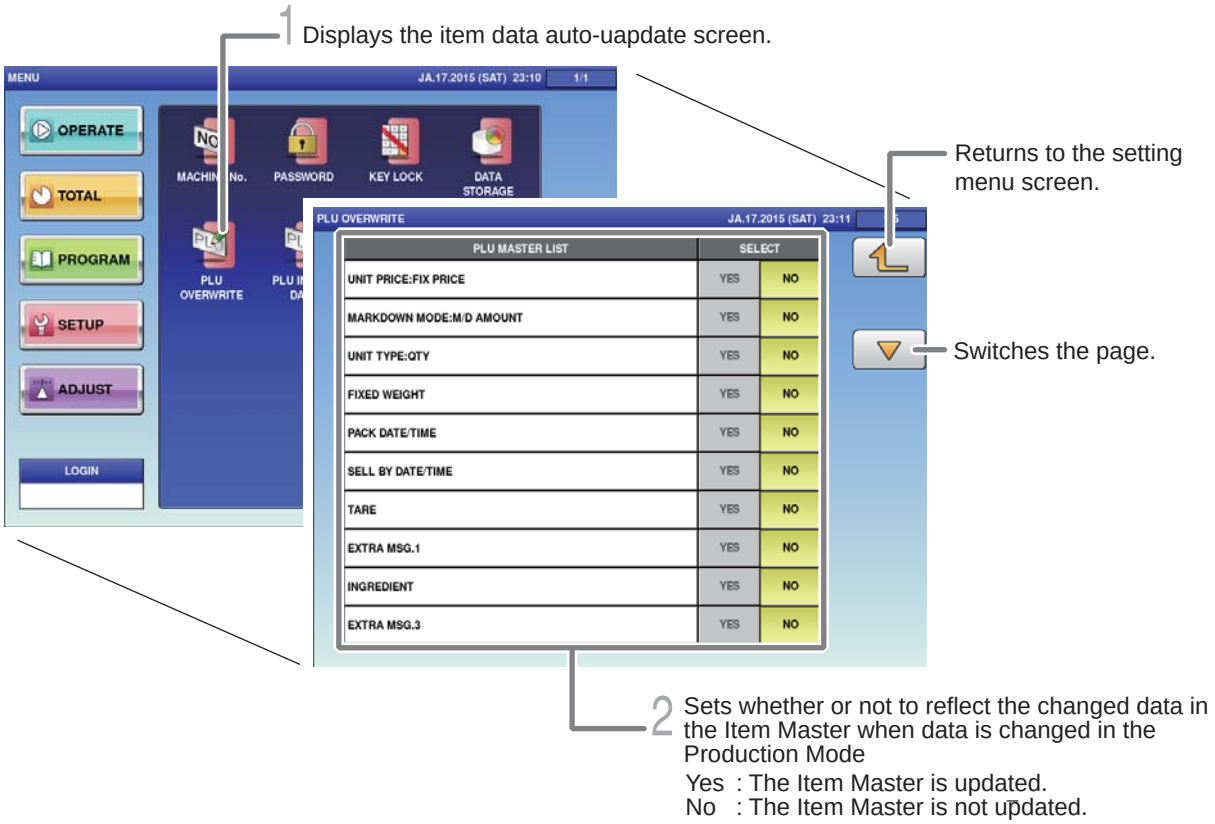
The total addition setting screen is displayed.

2. Set necessary items.

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

7.5 ITEM DATA AUTO-UPDATE SETTINGS

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



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

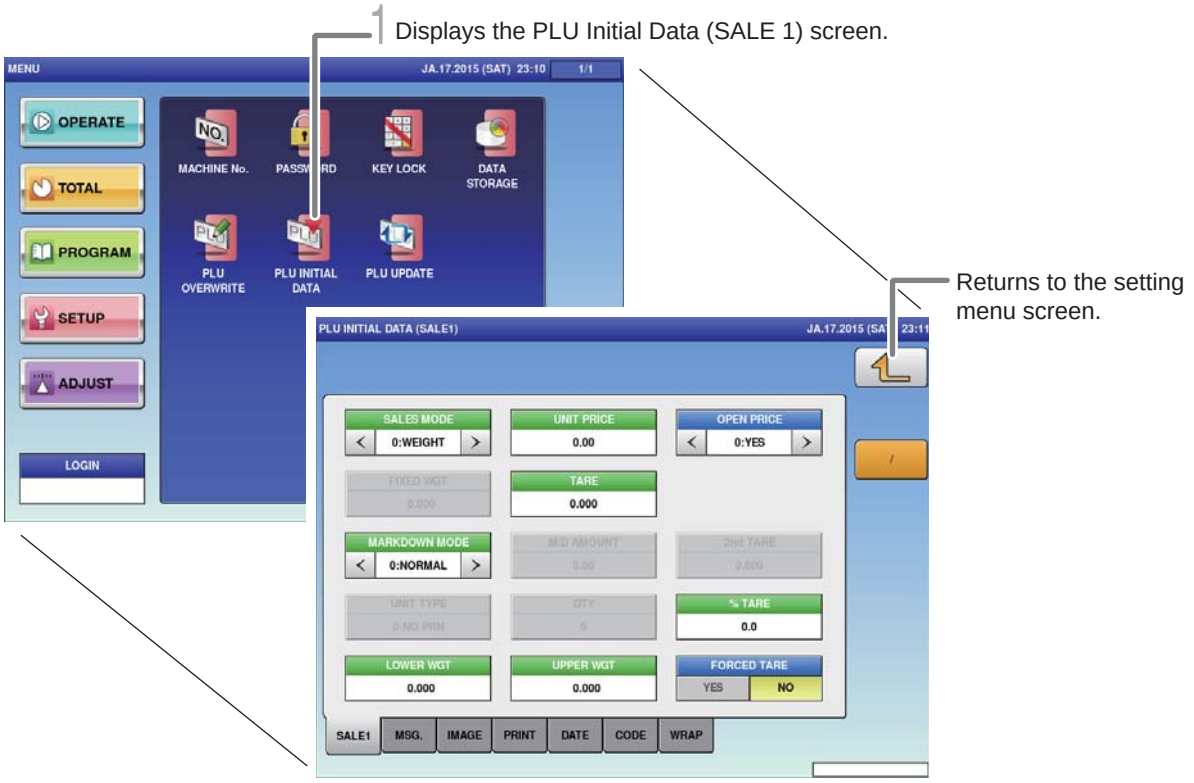
The item data auto-uapdate screen is displayed.

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

YES	NO

7.6 PLU INITIAL DATA SETTINGS

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



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

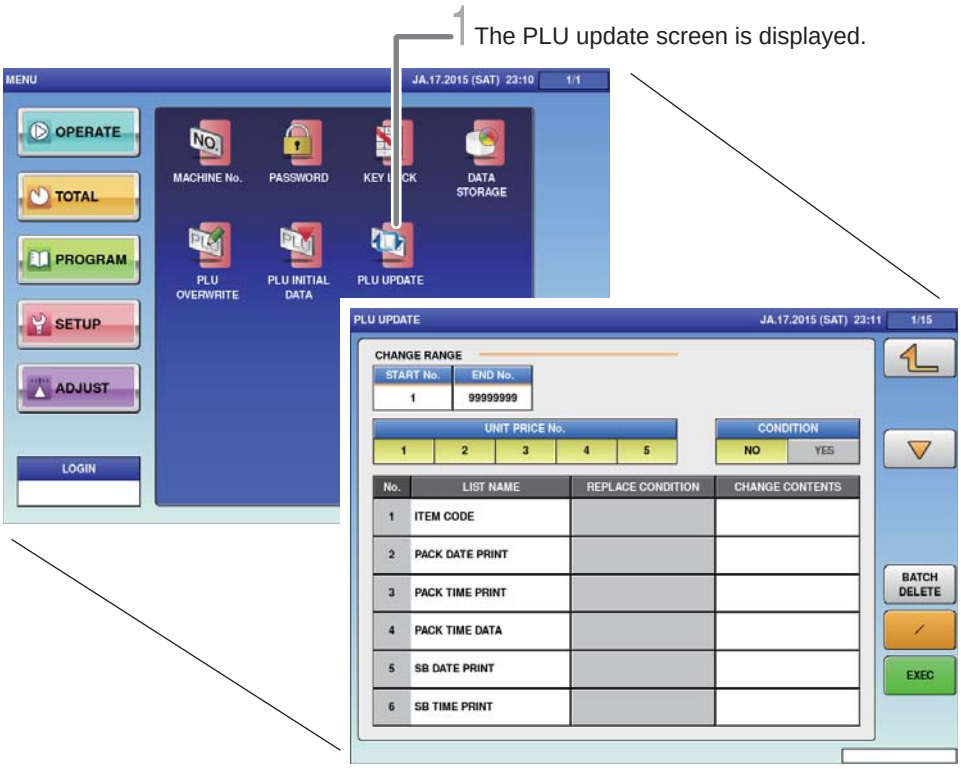
The PLU initial data (SALE1) screen is displayed.

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

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

7.7 ITEM DATA BATCH CHANGE SETTINGS

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



INFORMATION

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

1. Touch [PLU UPDATE] on the setting menu screen.

The PLU update screen is displayed.

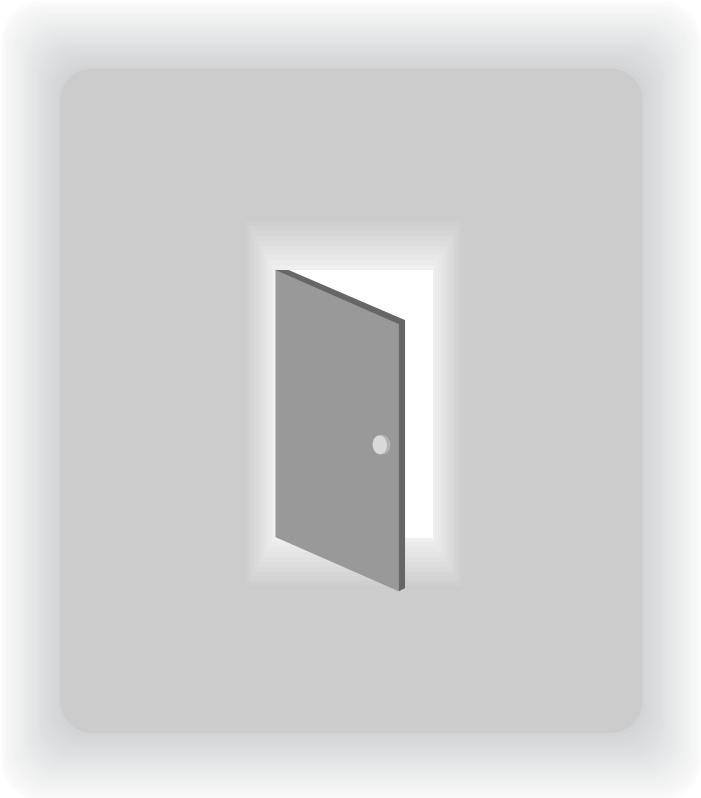
2. Select item names that you want to make a batch change.

3. Enter the content to which the setting is changed.

4. Execute the batch change.

EXEC

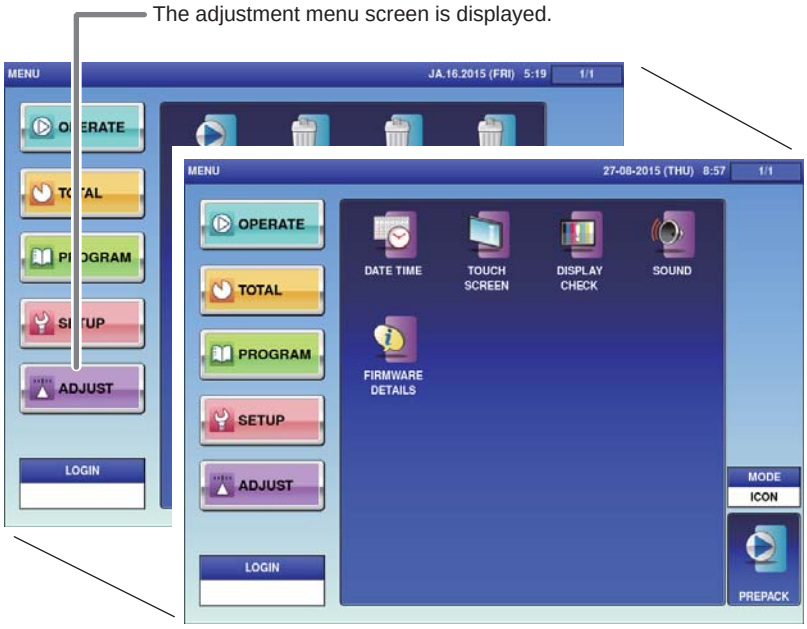
Touch [Execute], and the batch update confirmation screen is displayed.
Touch [Execute] again to start operation.



CHAPTER 8

ADJUSTMENT MODE

8.1 SWITCH TO THE ADJUSTMENT MODE

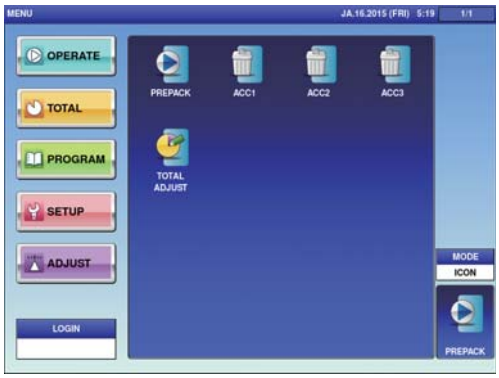


1. **Touch the Return botton on the initial screen in Production Mode.**

The main menu screen is displayed.

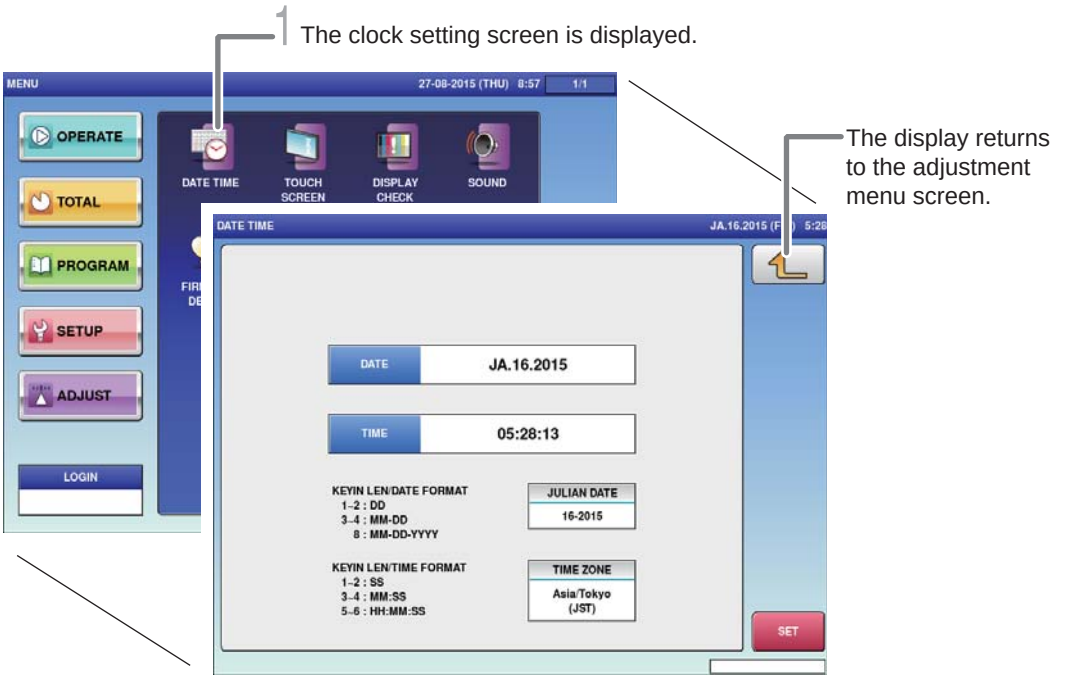
2. **Touch [ADJUST] on the main menu screen.**

The adjustment menu screen is displayed.



8.2 DATE AND TIME ADJUSTMENT

Adjust the date, time and year of the internal clock of the machine.



1. Touch [DATE TIME] on the adjustment menu screen.

The date time setting screen is displayed.

2. Enter the date.

[Example] January 15, 2015

2 0 1 5 0 1 1 5 DATE

3. Enter the time.

[Example] 09:35:00

9 3 5 0 0 TIME

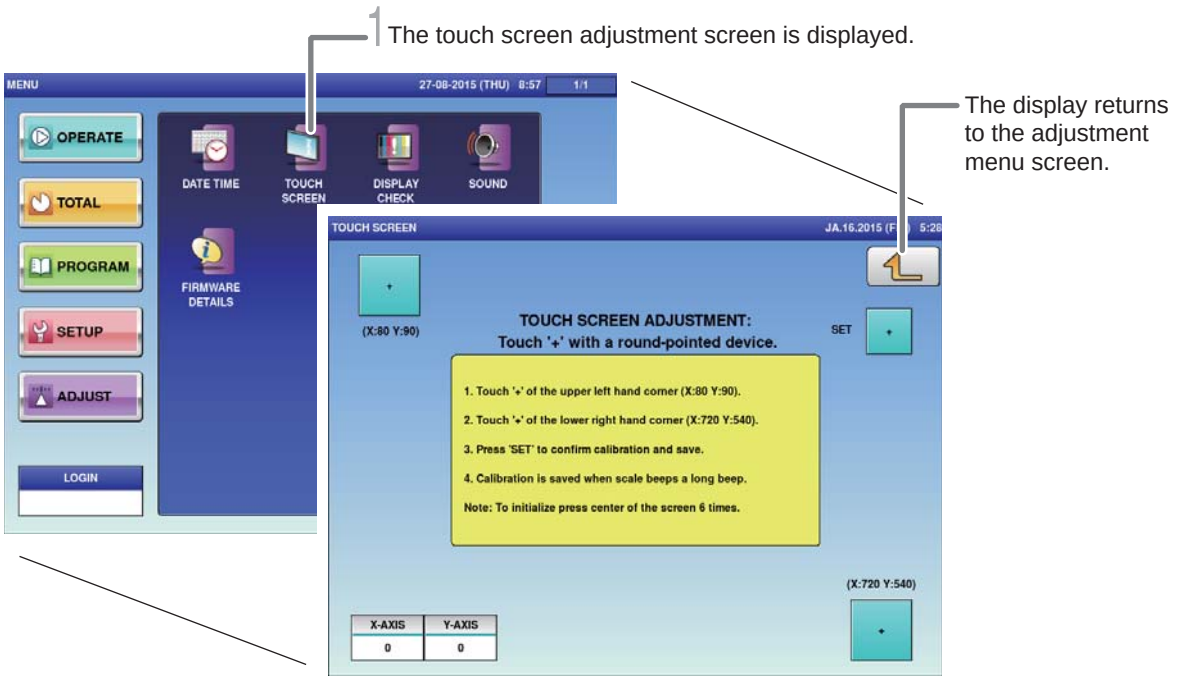
4. Touch [SET].

SET

The adjustment content of each item is set.

8.3 TOUCH SCREEN ADJUSTMENT

Adjust the touch location on the touch panel.



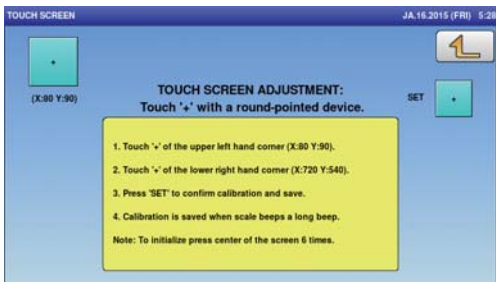
1. Touch [TOUCH SCREEN] on the adjustment screen.

The touch screen adjustment screen is displayed.

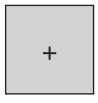
CAUTION

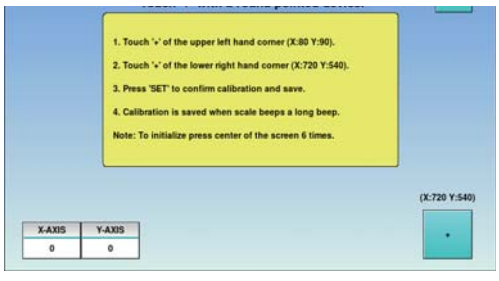
When adjusting the touch location on the touch panel, lightly press the screen.
The touch panel may be damaged if the screen is pressed too strongly.

2. Touch the center of [+] on the upper left of the screen.



3. Touch the center of [+] at the lower right side of the screen.



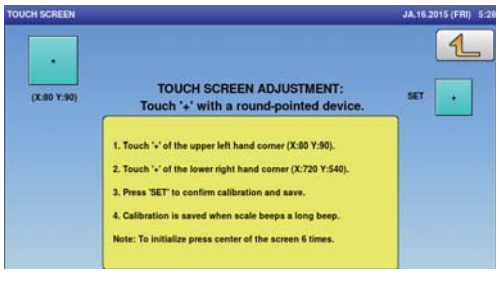


INFORMATION

9 9 9 PLU

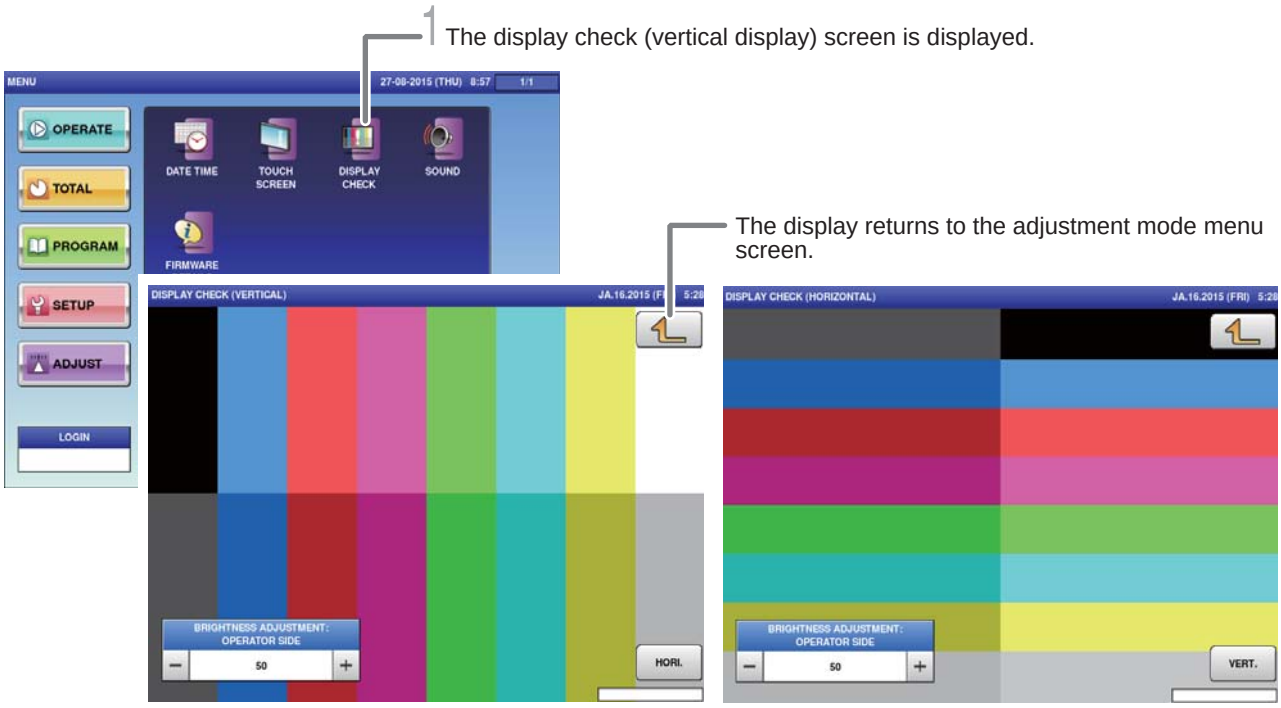
Enter “999” and press [PLU] to initialize the touch locations.

4. Touch the confirmation key [+] on the upper right of the screen.



8.4 SCREEN BRIGHTNESS ADJUSTMENT

The vertical and horizontal display screen brightnesses of the touch screen can be adjusted.



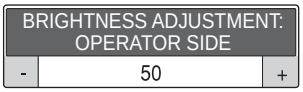
1. Touch [DISPLAY CHECK] on the adjustment menu screen.

The display check (vertical display) screen is displayed.

INFORMATION

The brightness adjustment can also be made by pressing [Brightness Adjust] after entering a numerical value.

2. Adjust the vertical display screen brightness.



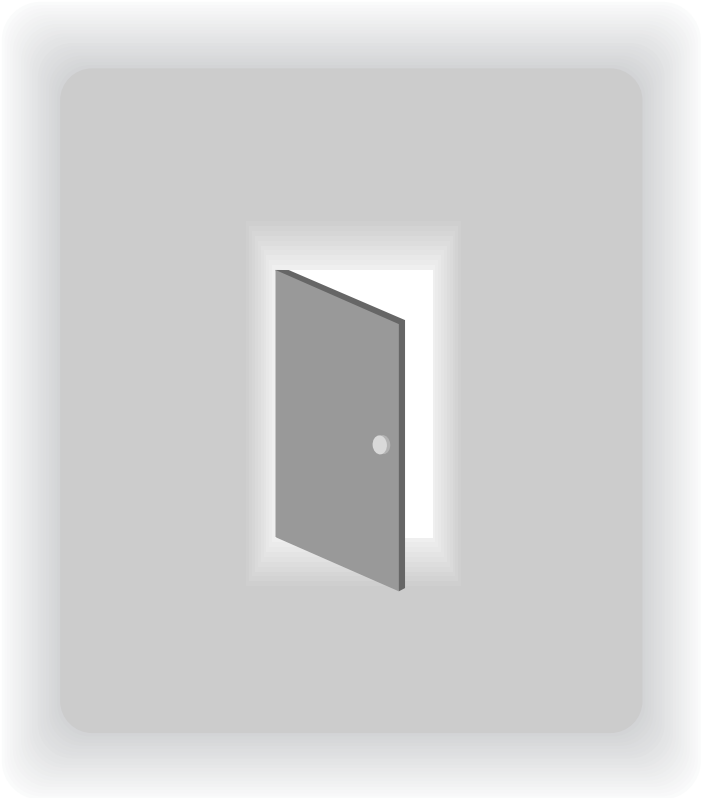
Using the [-] key will cause the screen to darken. Using the [+] key will cause the screen to brighten.

3. Touch [HORI.].

The display check (horizontal display) is displayed.

4. Adjust the horizontal display screen brightness.

Memo



APPENDIX

OTHERS

A-1. SPECIFICATIONS

Model Name	IP-AI	
Weigh Unit	Weighing Capacity *1	0 - 3 kg x 0.001 kg / 3 - 6 kg x 0.002 kg
		0 - 6 kg x 0,002 kg / 6 - 15 kg x 0.005 kg
		0 - 15 lb x 0.005 lb /15 - 30 lb x 0.01 lb
	Weighing Accuracy	1/3000 (Multi Interval)
Controller Unit	Dsplay Console	Backlit 12.1-inch color LCD touch-panel (SVGA: 800×600dots)
	Tactile Keys	19Keys
Printer	Print Head	3inch direct thermal (960dots), 12dots/mm, 80mm wide head
	Printing Speed	150mm/sec
	Print Area	Width: Up to 78mm (3.1inch)
	Label Size	Width: 20 - 80mm (0.8 - 3.1inch)
		Height: 20 - 150mm (0.8 - 5.9 inch)
	Number of Printer	1
	Label Roll Size - Inner Core Diameter	φ76mm (3.0inch)
	- Outer Core Diameter	φ224mm (9.0inch) or less
	Label Storage Capacity	5,000 labels/roll (at 42mm (H) and 2.5mm gap)
Interface	Ethernet	RJ45 x 1, 1000B-T
	Wireless	802.11 b/g *2
	USB	x 4, USB 2.0
	Scanner	via USB interface
Others	Power Supply	Single phase, AC 100 - 240V (+10%/-10%), 50/60Hz
	Power Comsumption	Standby: 40W or less, Maximum: 200W *3
	Memory Capacity	2GB
	Dimensions	Main Body: 302 × 380 × 673 mm (Width x Depth x Height)
		Weigh Unit: 300 × 270 × 88mm (Width x Depth x Height)
	Weight	Main Body: Approx. 19kg
		Weigh Unit: Approx. 6kg
	Operation Environment	Temperature:0℃ - 40℃ , Humidity:20% - 85% (no condensation)
	Standards	UL, UL, EU/NTEP type approval

*1: Factory fitted option

*2: Optional

*3: Power consumption varies dependent on site conditions and machine setup.

Specifications subject to change without notice.

RICE LAKE®
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230 W. Coleman St. • Rice Lake, WI 54868 • USA
U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319

www.ricelake.com

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