T-Scale

Operation Manual

T-Touch Central (TTC)
(PA Series)

15/01/2021

V1.13

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1.Introduction

TTC back office management software could make the updates to T-Touch scales with networking. User-friendly back office software allowing to create customized labels, UI (User Interface), Product updates , promotional video & pictures updates, report management, data import & export etc.

The TTC main screen is separated in to two parts: Function Bar and Main Menu. The Function Bar includes all the functions, including the ones in the Main Menu, and some additional functions. The Main Menu displays the functions that are more often used.

For any Data transfer, the scale(s) and the computer running TTC must be in the same network. Also, the operator must acquire the IP address of the scale(s) in order to setup the connection.

There may be functions disabled in gray if it is not activated for the user.

No data will be updated on the scale(s) unless the user download the data to selected scale(s).

This Manual will be focusing on the back office software for **PA-Series** T-Touch Scales.

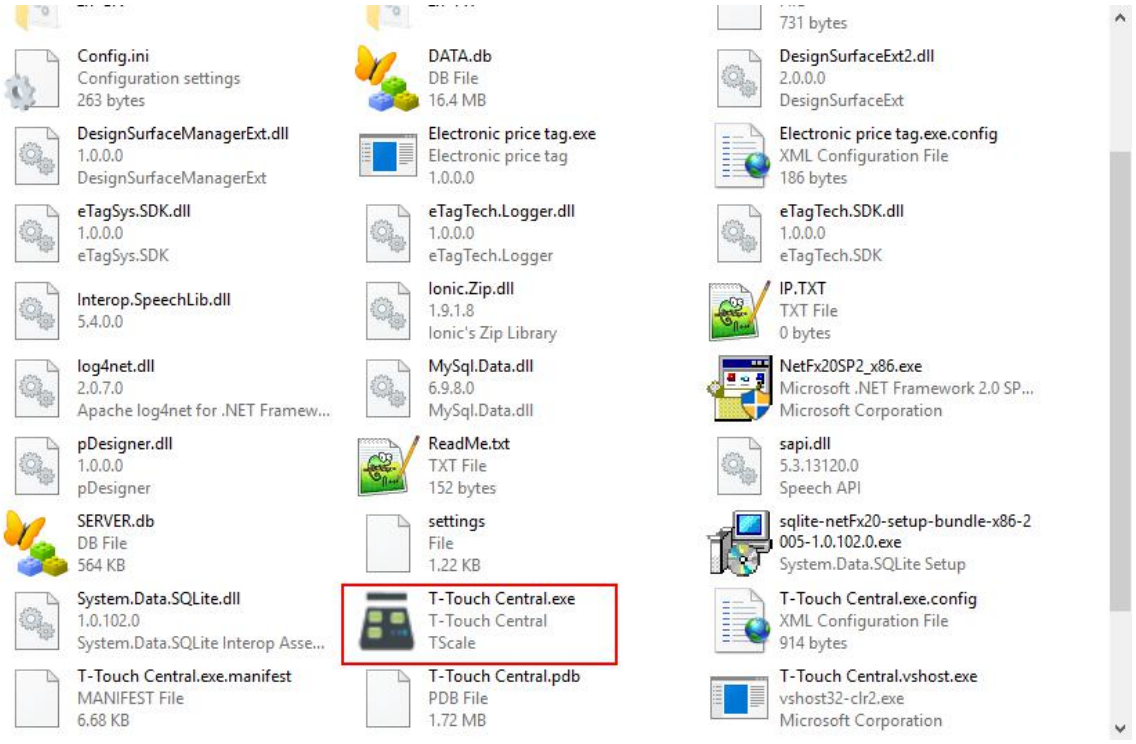
2.System Requirements

Operating System: Windows XP or above.

3.Installation

3.1. Open TTC management file folder.

3.2. Double click T-Touch Central.exe application file



3.3.Login

Login display will be show, please input User name and PassWord,

The default user name and password

For Technician

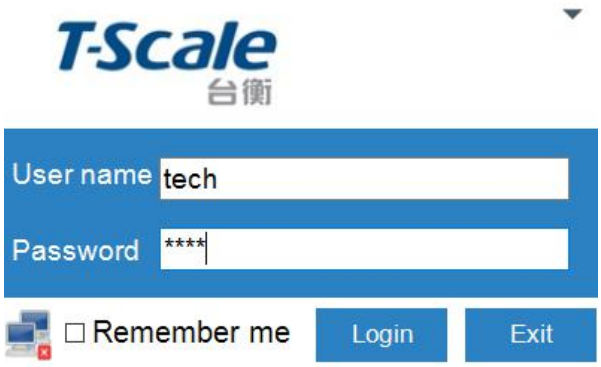
User Name: tech

PassWord: tech

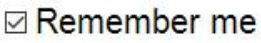
For Admin

User Name: admin

PassWord: admin



For saving the username & password, click the

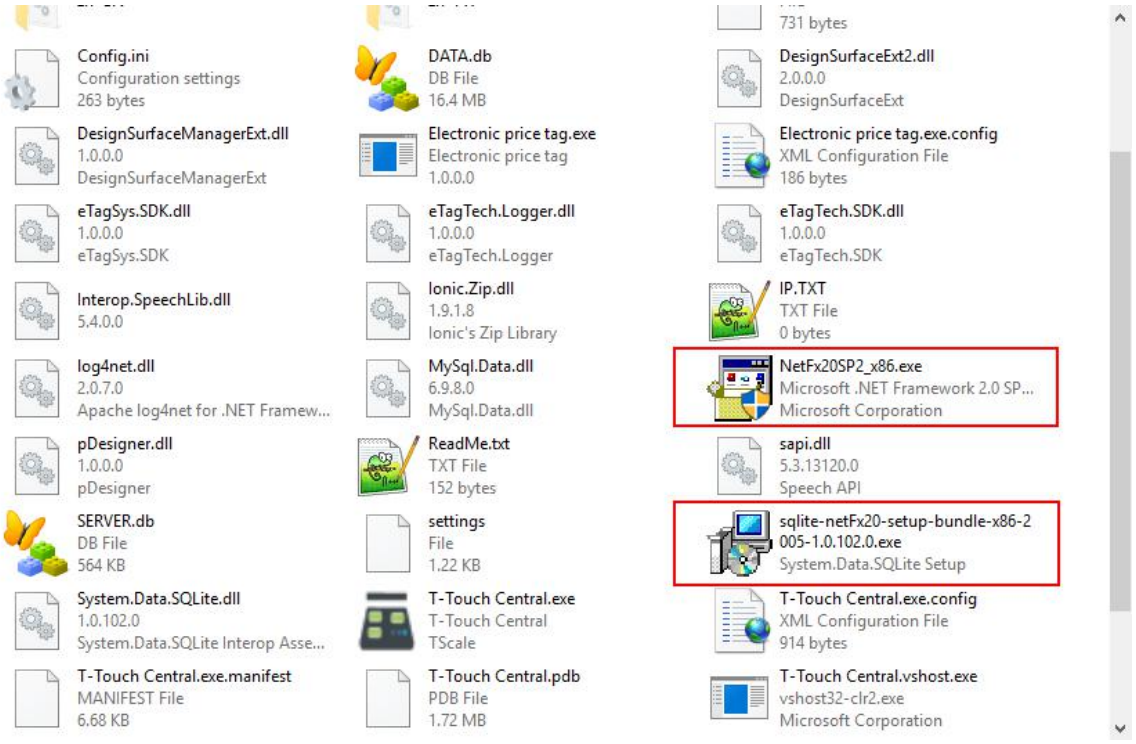


check box

And follow to click

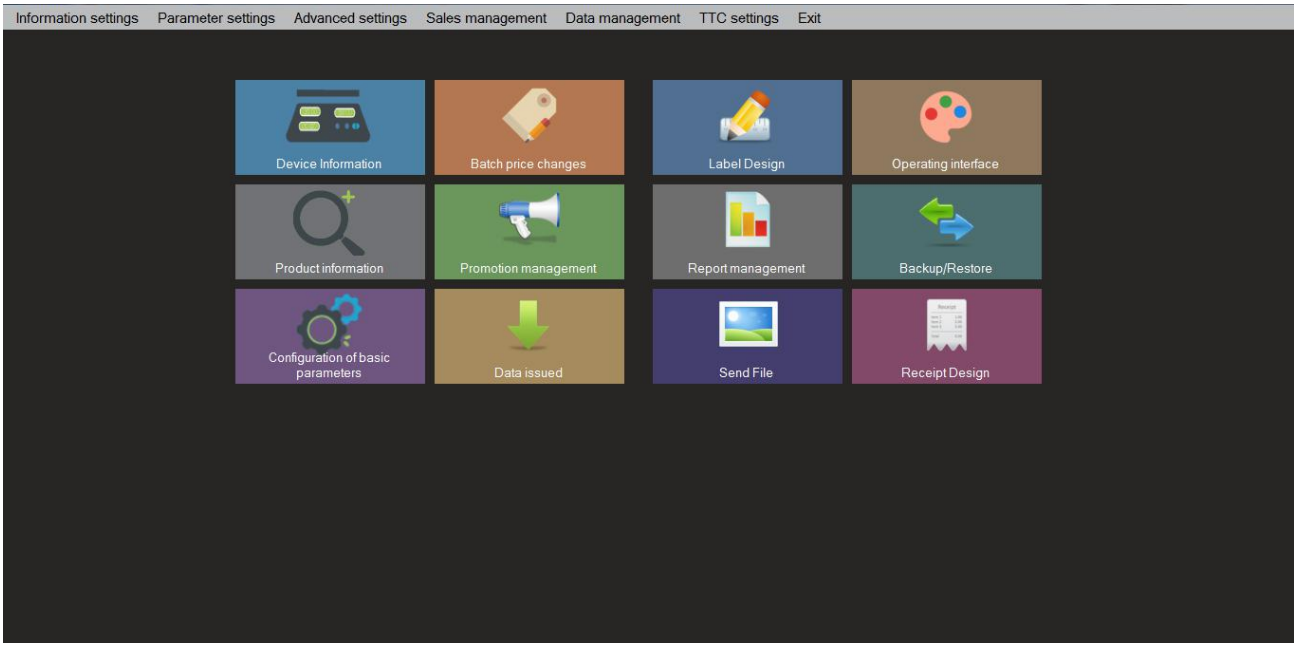
key to login T-Touch Central

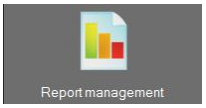
Note： If the TTC back office software doesn't work, please install NetFx20SP2_x86.exe and SQLite Installation files (included in the TTC package, double click to install)

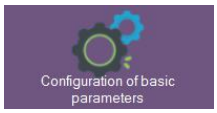
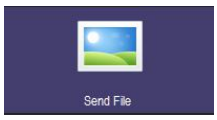

731 bytes
Config.ini
Configuration settings
263 bytes
DATA.db
DB File
16.4 MB
DesignSurfaceExt2.dll
2.0.0.0
DesignSurfaceExt
DesignSurfaceManagerExt.dll
1.0.0.0
DesignSurfaceManagerExt
Electronic price tag.exe
Electronic price tag
1.0.0.0
Electronic price tag.exe.config
XML Configuration File
186 bytes
eTagSys.SDK.dll
1.0.0.0
eTagSys.SDK
eTagTech.Logger.dll
1.0.0.0
eTagTech.Logger
eTagTech.SDK.dll
1.0.0.0
eTagTech.SDK
Interop.SpeechLib.dll
5.4.0.0
Ionic.Zip.dll
1.9.1.8
Ionic's Zip Library
IP.TXT
TXT File
0 bytes
log4net.dll
2.0.7.0
Apache log4net for .NET Framew...
MySql.Data.dll
6.9.8.0
MySql.Data.dll
NetFx20SP2_x86.exe
Microsoft .NET Framework 2.0 SP...
Microsoft Corporation
pDesigner.dll
1.0.0.0
pDesigner
ReadMe.txt
TXT File
152 bytes
sapi.dll
5.3.13120.0
Speech API
SERVER.db
DB File
564 KB
settings
File
1.22 KB
sqlite-netFx20-setup-bundle-x86-2005-1.0.102.0.exe
System.Data.SQLite Setup
System.Data.SQLite.dll
1.0.102.0
System.Data.SQLite Interop Asse...
T-Touch Central.exe
T-Touch Central
TScale
T-Touch Central.exe.config
XML Configuration File
914 bytes
T-Touch Central.exe.manifest
MANIFEST File
6.68 KB
T-Touch Central.pdb
PDB File
1.72 MB
T-Touch Central.vshost.exe
vshost32-clr2.exe
Microsoft Corporation

4.Menu Keys & Functions

Main Screen Layout



Keys	Description
	It allows the user to set the scales information from the back office software.
	It allows the user to perform multiple bulk price transfer.
	It allows the user to design a label format
	It allows the user to design a sale UI
	It allows the user to manage the product information
	Reserved function
	It allows the user to manage the report information

	It allows the user to perform multiple data type transfer.
	It allows the user to configure the company information and basic parameters
	It allows the user to design a receipt format
	It allows the user to send image files to the scale, or send update patch to the scales.
	It allows the user to make backups for a scale, or restore the data onto a scale.

Name	List	Description
Information settings	Device Information	Used to manage the scale information
	Product Information	Used to manage the product information
	Operator Information	Used to manage the operator information
	Category Information	Used to manage the category information
	Department Information	Used to manage the department
	Tax rate Information	Used to manage the tax rate information
Parameter settings	Configuration of basic parameters	Used to configure the company information and basic parameters
	System parameter settings	Used to set system parameter settings
	Operating parameter settings	Used to set operating parameter settings
	Technical parameter settings	Used to set technical parameter settings
Advanced settings	Label design	Used to design a label format
	Receipt design	Used to design a receipt format
	Advertising screen	Used to set client display information
Sales management	Report management	Used to manage report
Data management	Data issued	Used to issue data
	Send file	Used to send image files to the scale, or
TTC settings	Select scale	Used to choose types of T-Touch scales
	Language	Used to choose language from the list

	User information	Used to manage user information for scales
	Change password	It allows the current logged in user to change his/her TTC account password
	System settings	Used to perform system settings
Exit	Exit	Exit the back office software.

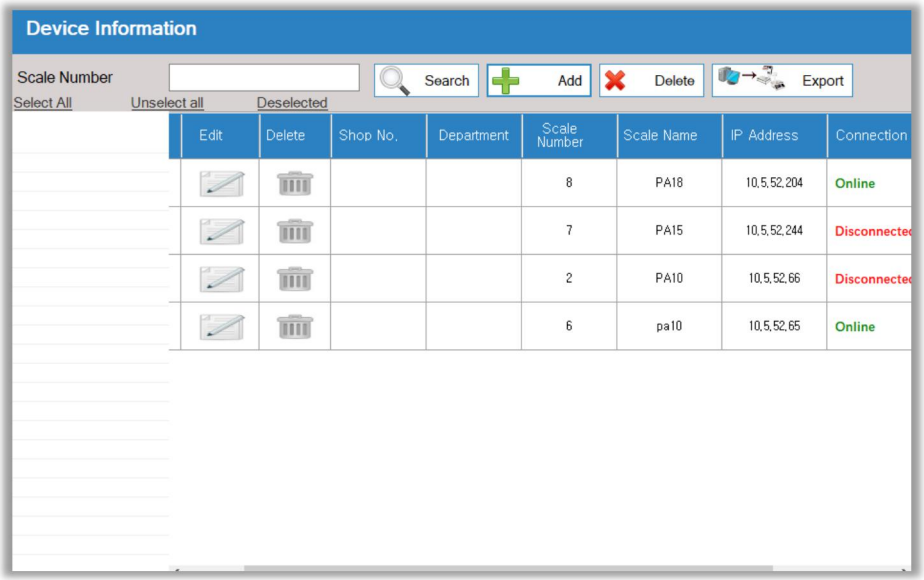
5. Operation

5.1. Device Information

This Function displays the current status of all the scales managed by TTC.
It will continuously update all the scales' connection status automatically.

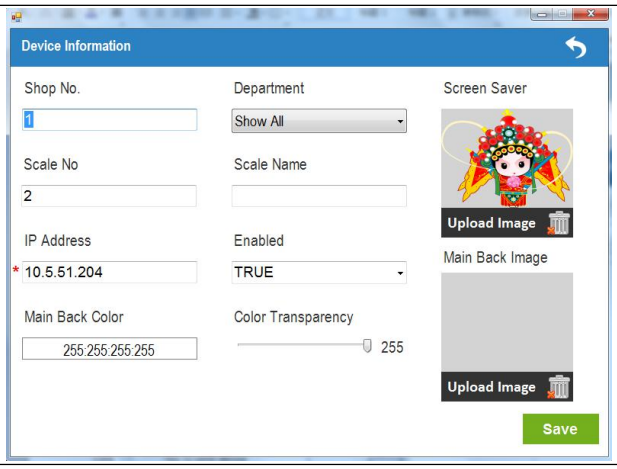
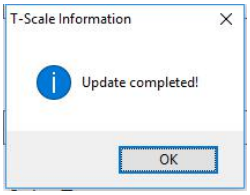
It allows the user to open the device information window by clicking

icon in the main menu or choose from the tool bar, selecting "Information Settings" -> "Device information"

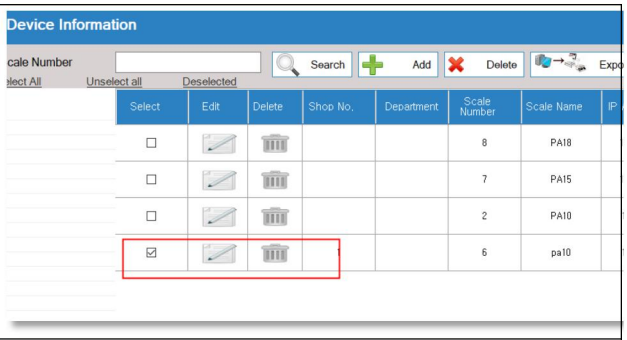
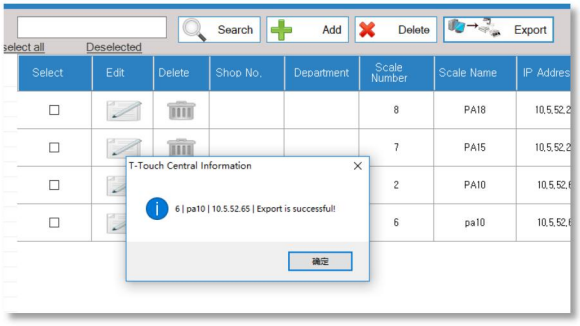


Keys	Description
Blank field	To entered the scale number
Search	Search the scale
Add	Add new scale
Delete	Delete all scale
Export	Export the scale info. From PC to scales
Select All	Select all scale
Unselect all	Unselect all scale
Deselected	Deselect the scale
Edit	Edit scale information
Delete	Delete the single scale information

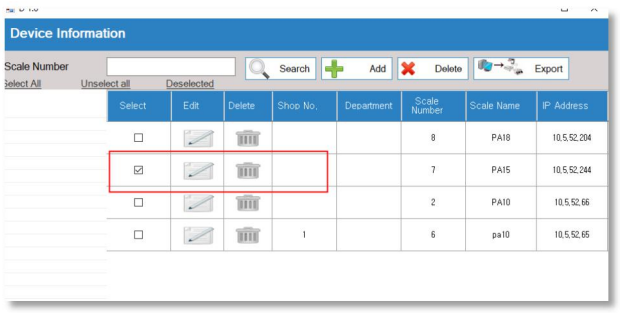
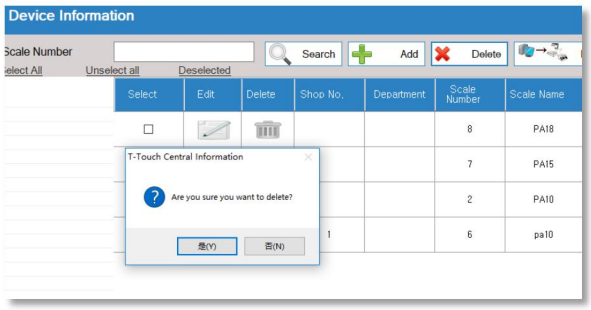
5.1.1. Add device information

Select key to configure your T-Scale devices. The IP Address is the only required field for a newly added device. Each scale must have unique IP Address. Other scale information can also be set here, including scale's identifiers and the image that will be displayed once the scale is in idle mode.	
Click save key to confirm, the display show update completed	

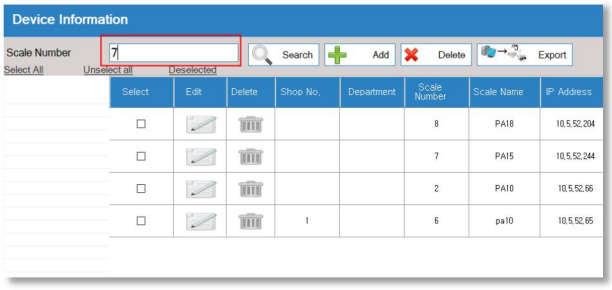
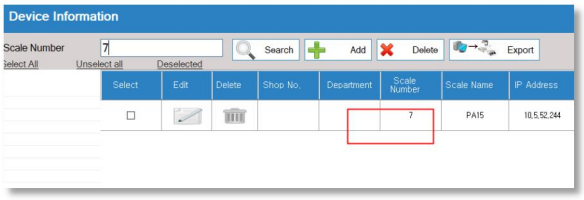
5.1.2. Down device information

Select the corresponding scales to be updated.	
Click key to send device information to scales. The display shows download successful	

5.1.3. Delete device information

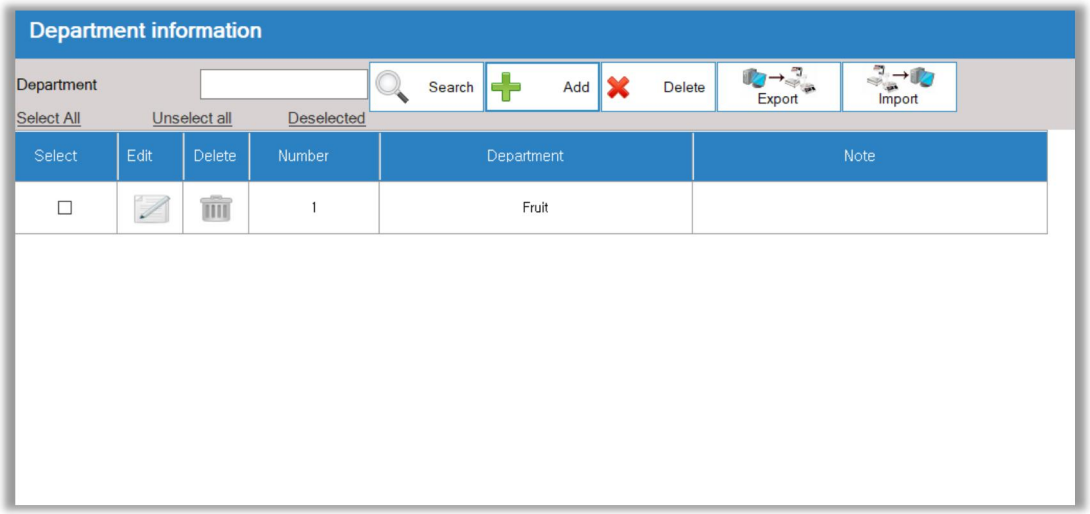
Select the corresponding scales to be updated.	
Click Delete key , click “yes” to confirm	

5.1.4. Search device information

Input scale number in the blank filed	
Click Search key to search the device information	

5.2.Department Information

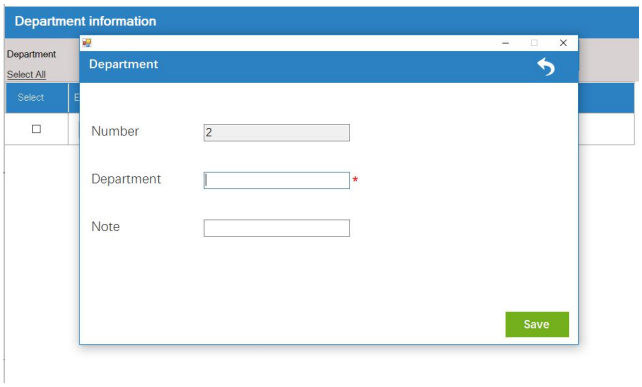
It allows the user to open the department information window by selecting “Information Settings” -> “Department information”



Keys	Description
Blank field	To entered the scale number
Search	Search the scale
Add	Add new scale
Delete	Delete all scale
Export	Export the scale info. From PC to scales
Import	Import the scale info. From scales to PC
Select All	Select all scale
Unselect all	Unselect all scale
Deselected	Deselect the scale
Edit	Edit scale information
Delete	Delete the single scale information

5.2.1 Add department information

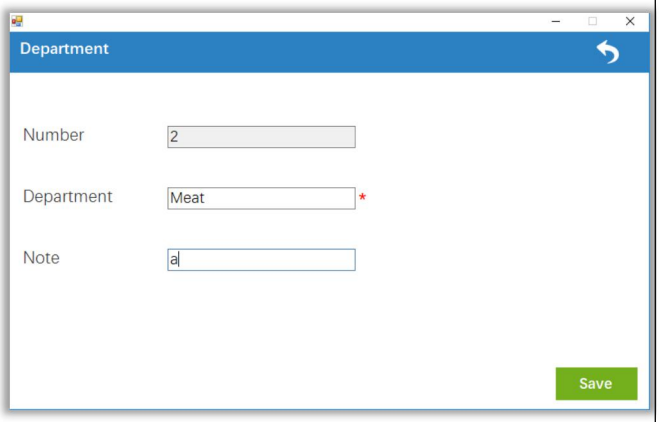
1 Click Add key to configure department information;



2 Entered the department and Note information;

3 Click Save key to confirm;

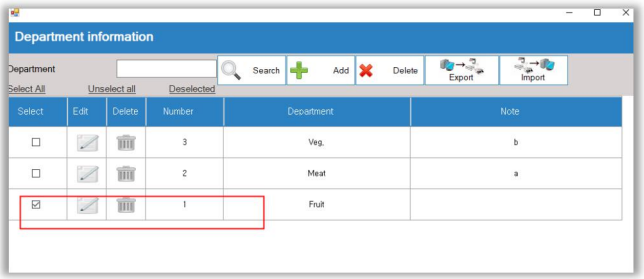
The department is the only required field for a newly added department.



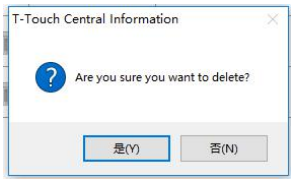
4 The display show update completed

5.2.2 Delete department information

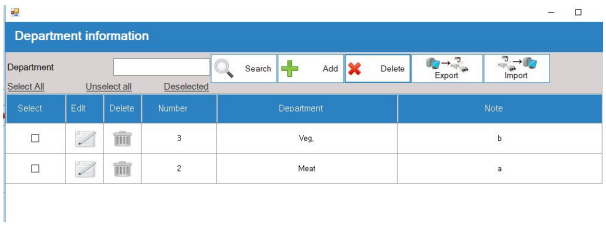
1 Select the department information to be delete;



2 Click Delete key or to delete;



3 Click【YES】to confirm.



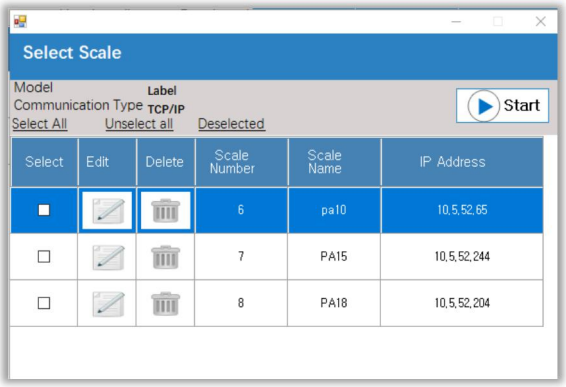
5.2.3 Download department information

1 Select the department information to be downloaded;

2 Click

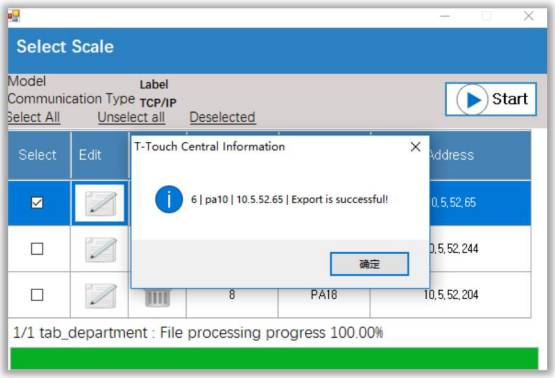
key to send department information to scales.

3 Select the IP address



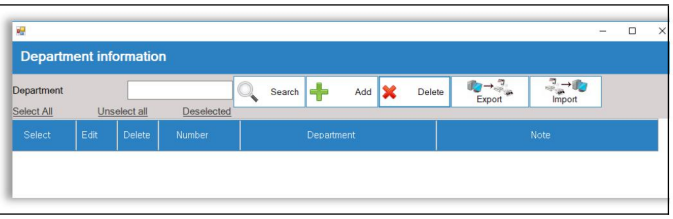
4 Click

key,The display shows download successful



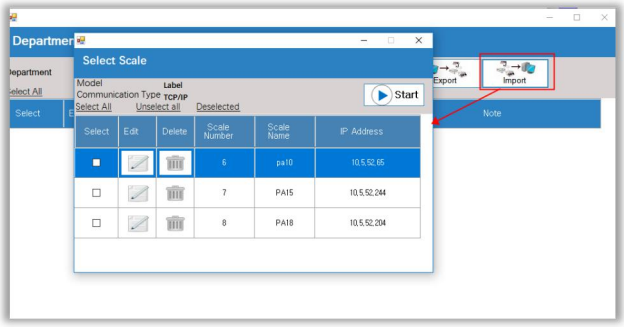
5.2.4 Retrieve department information

1 Select the department information



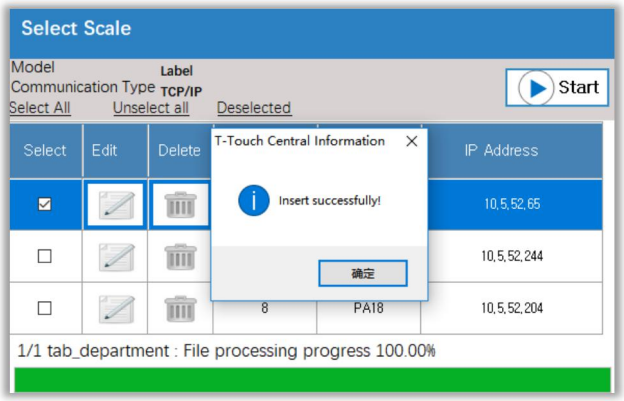
5 Click

key to retrieve department information from scales.



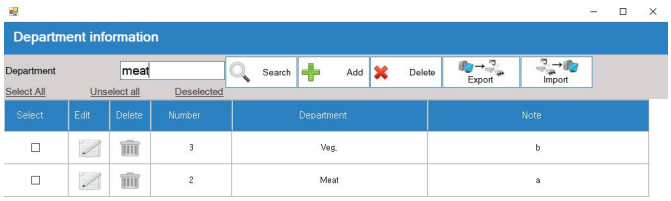
6 Click

key,The display shows download successful



5.2.5 Search department information

1 Entered the department name in the blank field;

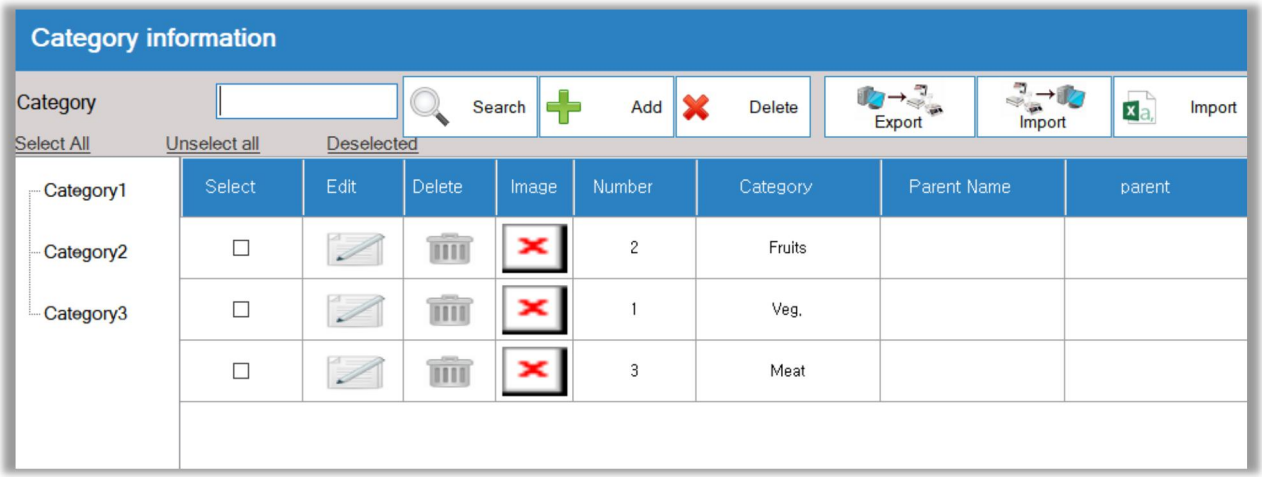


2 Click

key ,the department information to be searched is displayed;

5.3. Category information

It allows the user to open the department information window by selecting “Information Settings” -> “Category information”

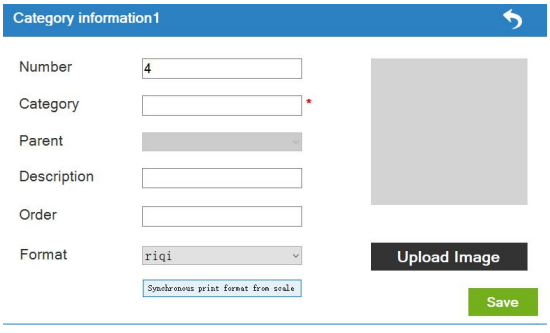


Keys	Description
Blank field	To entered the scale number
Search	Search the scale
Add	Add new scale
Delete	Delete all scale
Export	Download the scale info. From PC to scales
Import	Retrieve the scale info. From scales to PC
Import	Import the scale info.csv files From PC to scales
Select All	Select all scale
Unselect all	Unselect all scale
Deselected	Deselect the scale
Edit	Edit category information
Delete	Delete the single category information

5.3.1 Add category information

1 Click

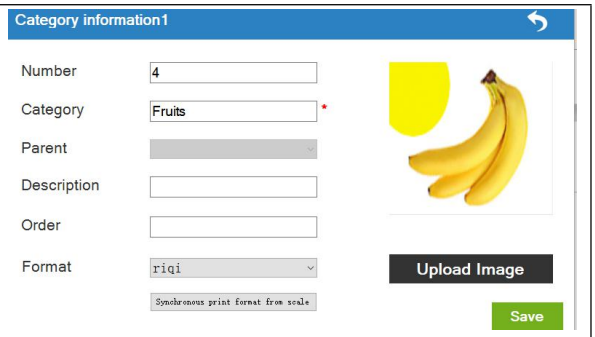
key，category 1 window will be pop up；



2 Entered the category and order information;

3 Click Save key to confirm；

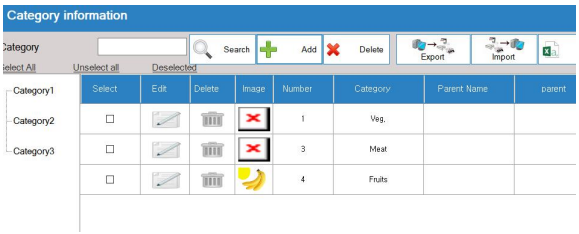
The category is the only required field for a newly added department.



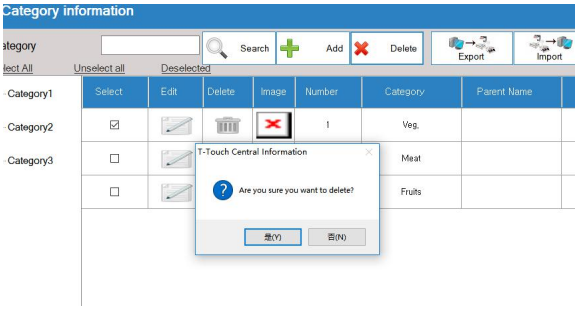
4 The display show update completed

5.3.2 Delete category information

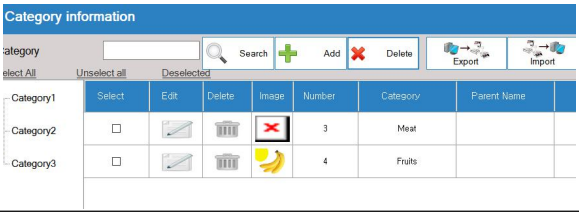
1 Select a category



2 click Delete or key

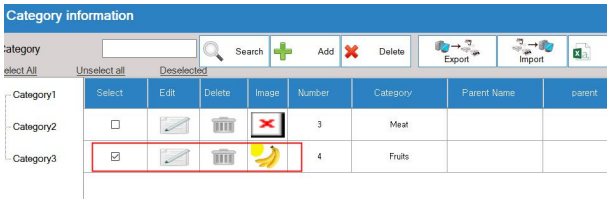


3 click “yes” to confirm



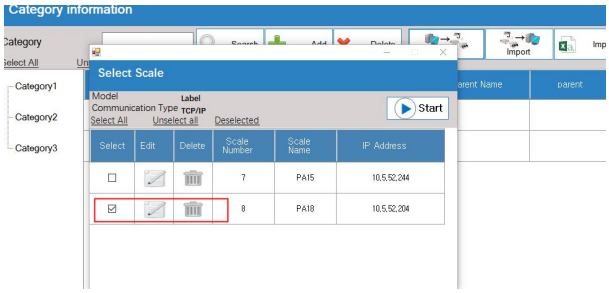
5.3.3 Download category information

1 Select a category



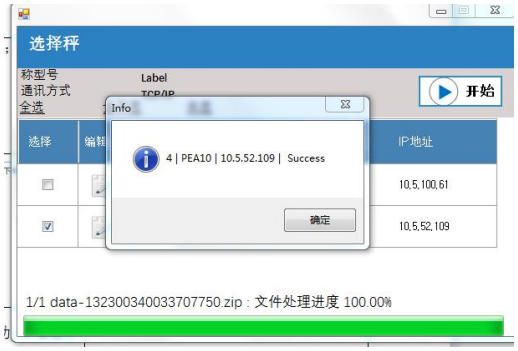
2 Click

key to send category information to scales



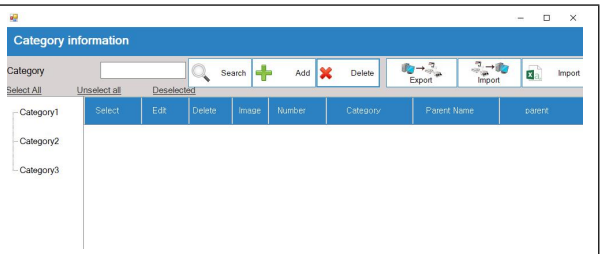
3 Click

key to continue the transfer process.



5.3.4 Retrieve category information

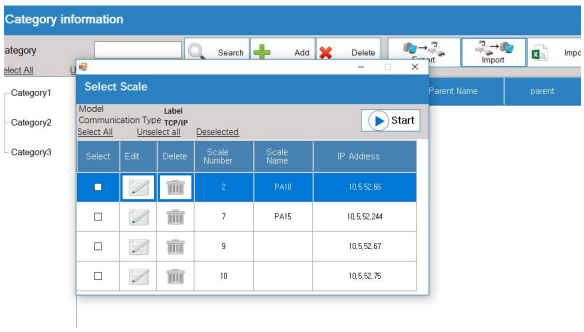
1 It allows the user to retrieve product information from selected scales.



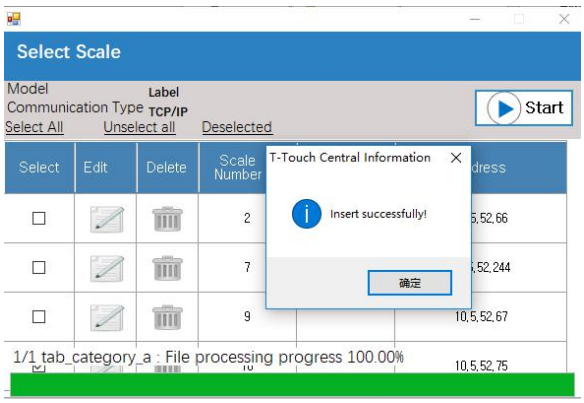
2 Click

key to retrieve

3 The connected scales will be displayed for selection.

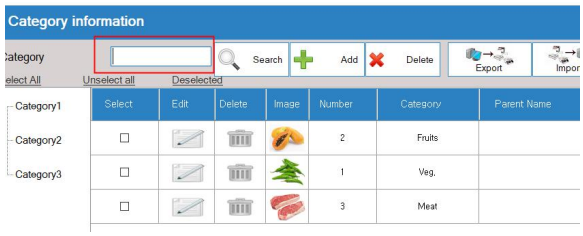


4 Click key to continue the transfer process.

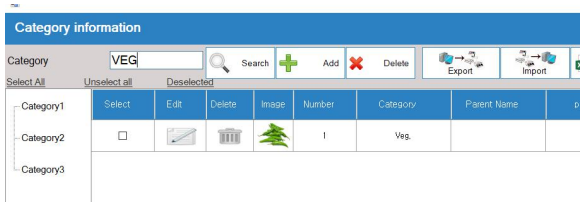


5.3.5 Search Category Information

1 Entered the category NAME in the blank field as you desired



2 Click 【search】 key to search the category information



5.3.6 Import Category Information

The category csv.file should be configured in scale_data folder

category a
category b
category c

Parent column should be blank in the category a file.

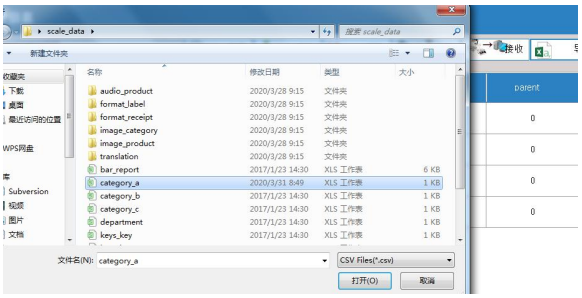
Parent column in Category b and category c need to enter number as per the serial number listed in category a

The image column should be entered picture name with alphanumeric and end with .png format.

The pictures should be stored in Backup>image category folder.

shop_id	branch_ic	pos_no	category	category_parent	describ	image
1			1 水果	2		Fruit_Top.png
1			2 蔬菜	1		Veggies_Top.png
1			3 肉类	1		
1			4 水产	1		Seafood_Top.png

1 Once configured the category a file, Click 【import】key to import the file from PC to scale.

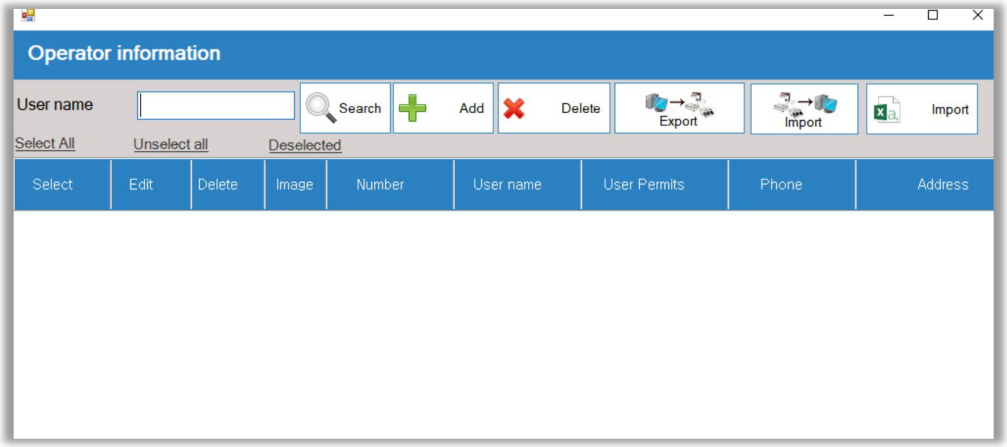


2 Click 【open】to import.

选择	编辑	删除	图片	序号	类别名称	Parent Name
				2	水果	
				1	蔬菜	
				3	海鲜	
				4	肉类	

5.4. Operator information

From the tool bar, select “Information Settings” -> “Operator information”, and then the Operator information will open as a new window.



Keys	Description
Blank field	To entered the user name
Search	Search operator
Add	Add new operator
Delete	Delete all operators
Export	Download the operator info. From PC to scales
Import	Retrieve the operator info. From scales to PC
Import	Import the operator info csv files. From PC to scales
Select All	Select all scale
Unselect all	Unselect all scale
Deselected	Deselect the scale
Edit	Edit category information
Delete	Delete the single category information

Operator Types

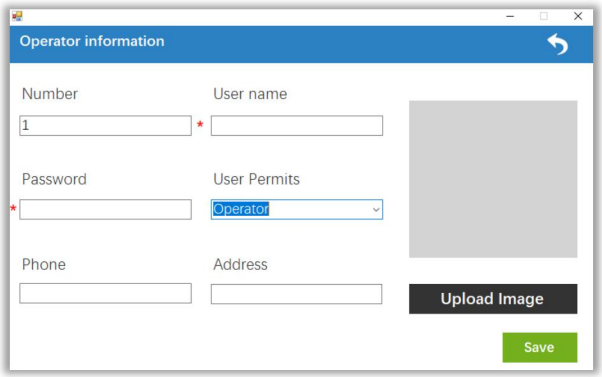
a) Administrator: The administrator can manage the scale accounts. These accounts will not be able to change the technician password on the scale(s).

b) Operator: Normal users. These users may have limited access to scale functionalities, and their account will be managed by the technician or administrator accounts.

5.4.1. Add user information

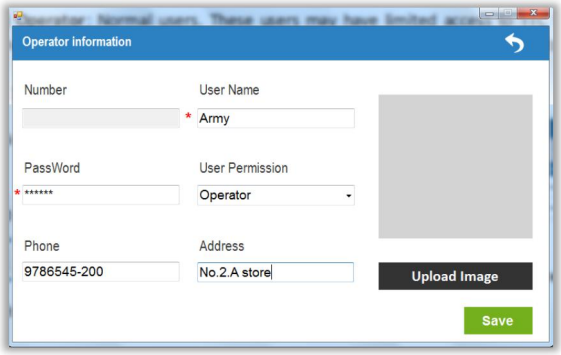
1 Click

key ,it offers the user to input number、user name and password ect.information



1 The user name and password are required field to be entered
2 Select the user permission as operator or administrator;
3 The image should be named with alphanumeric and be in png format ;
4 Click

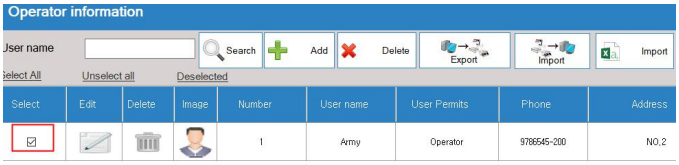
to key confirm;



5 The display shows insert successful

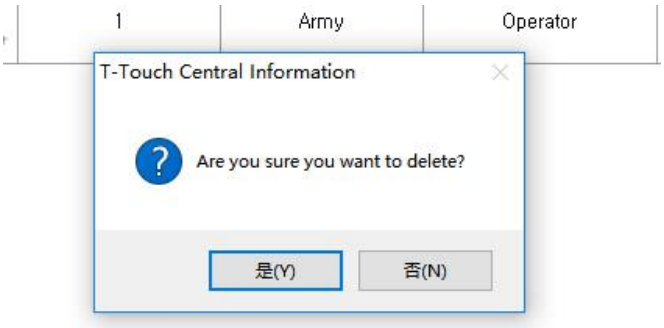
5.4.2 Delete User Information

1 Select the user info.to be delete;

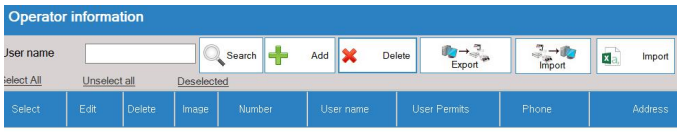


2 Click

or
button,it will pop up a window;

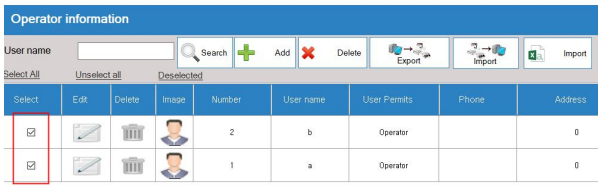


3 Click【YES】to confirm and delete the user information.



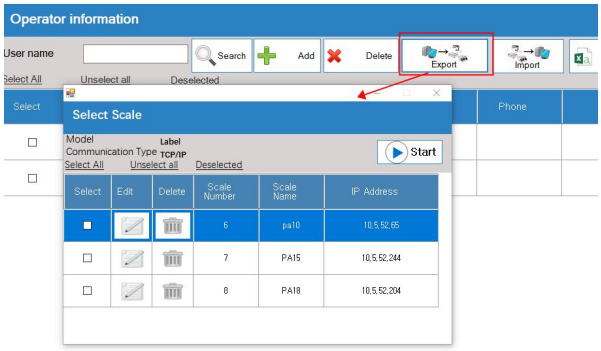
5.4.3 Download User Information

1 Select the user info.to be download；

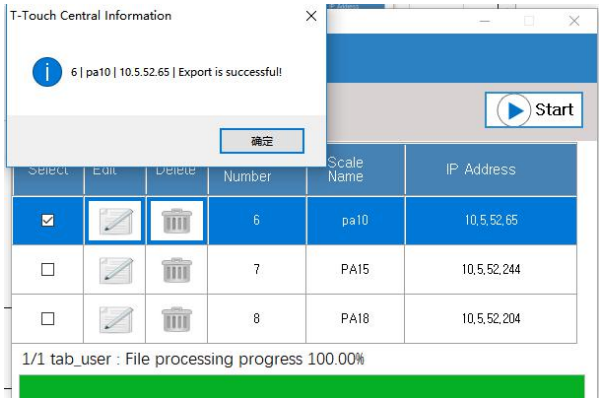


2 Click key to send department information to scales.

3 Select the IP address



4 Click key,The display shows download successful

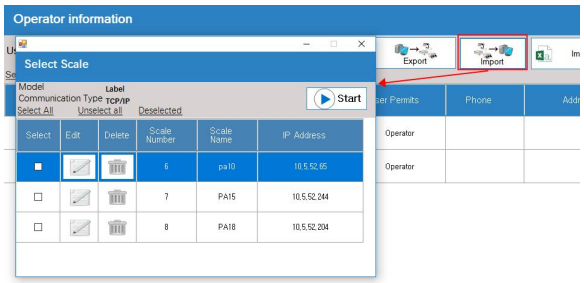


5.4.4 Retrieve User Information

1 Select user information

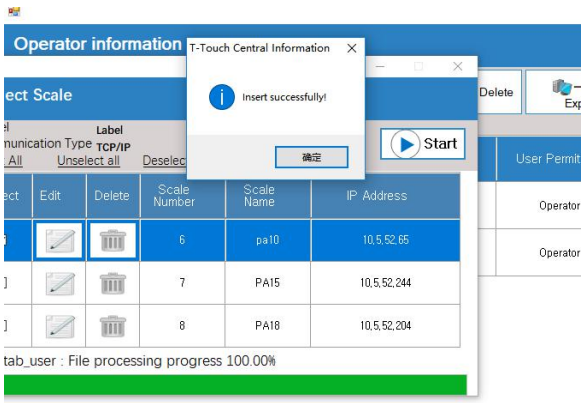
2 Click

key to retrieve operator information from scales.



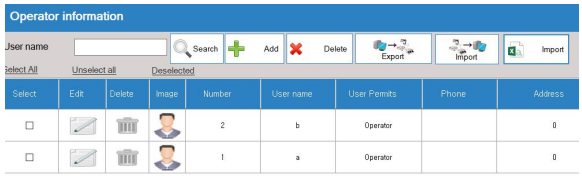
3 Select the IP address to be retrieved and Click

key,The display shows download successful



5.4.5 Search User Information

1 Entered the user name in the blank field;



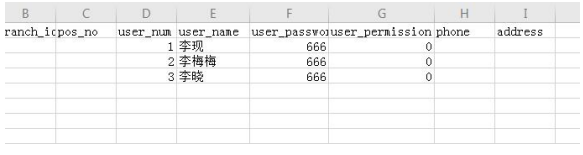
2 Click

key ,the user information to be searched is displayed;

5.4.6 Import User Information

1 Configure the csv file named operator ,including user name _ user password and user permission.

2 Default permission: 0= operator ,

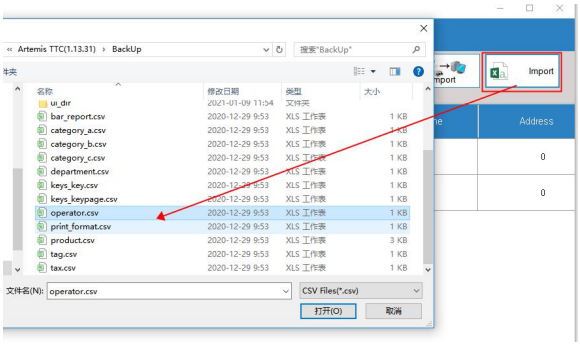


B	C	D	E	F	G	H	I
ranch_id	pos_no	user_num	user_name	user_passwo	user_permission	phone	address
		1	李现	666	0		
		2	李梅梅	666	0		
		3	李晓	666	0		

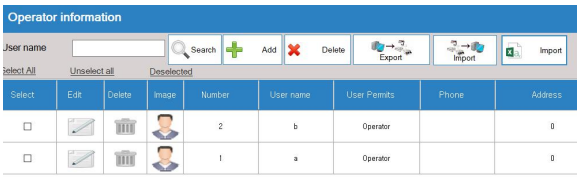
1=administrator

3 Click

key to import the operator csv.file

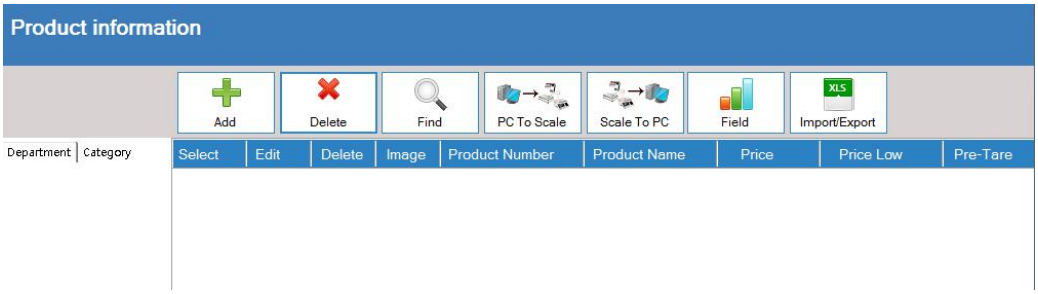


4 Click “OPEN” key, the user information will be displayed



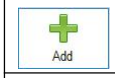
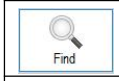
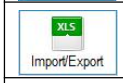
5.5. Product information

It allows the user to manage the product information in the TTC back office software, This Function displays the PLU/product data stored in the back office. This data can be transferred to the scales.



In order to open the product information window by clicking

icon in the main menu or choose from the tool bar, selecting “Information Settings” -> “Product information”

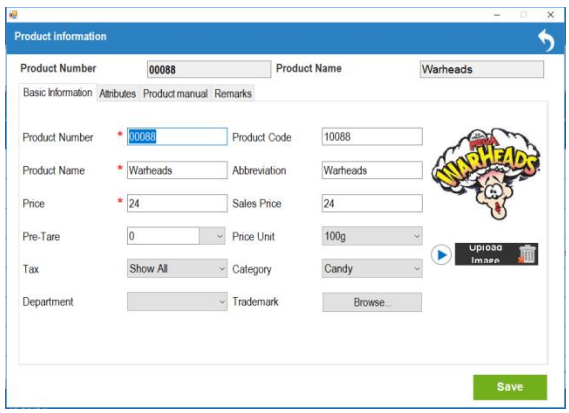
Keys	Description
	Add product information
	Delete product information
	Search for a specific product information.
	Transfer the product information to the scales.
	Retrieve product information from selected scales.
	Configure the fields display in the product section.
	Import or Export Product information from excel sheets to back office software or from back office software to excel sheets.
	Edit specific product information.
	Remove specific product information.

5.5.1. Add product information

Click

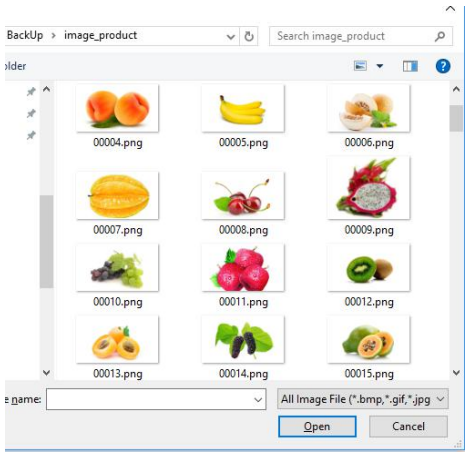
key to add product information

Basic information: The product number, product name and price are required fields for a newly added product, other product information can also be set here，including the product image that will be displayed in sale mode



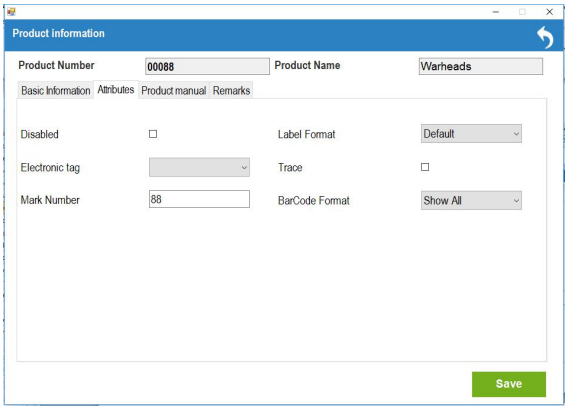
Click Upload key to add product image from computer,

Note: The image need to be stored in a folder named image_product", that could be easier to manage.

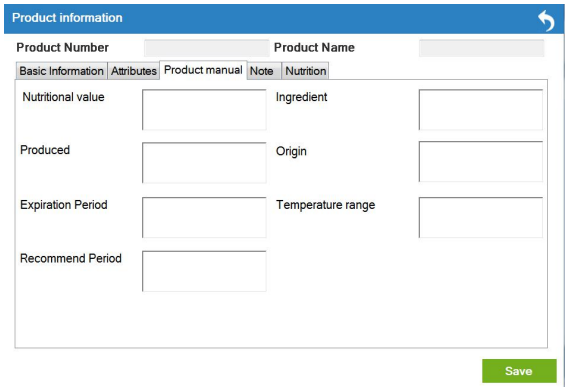


Then click " open" key to add

Attributes: Select the product Attributes information

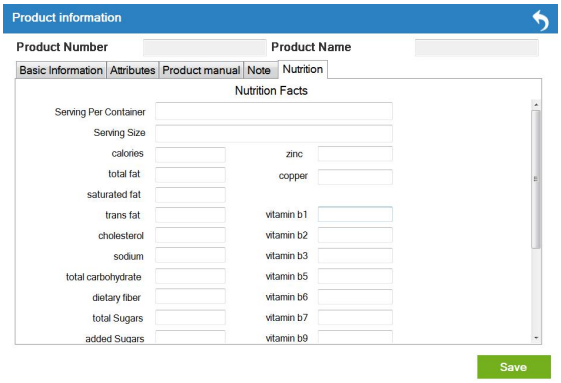


Product manual and Note information can be set here

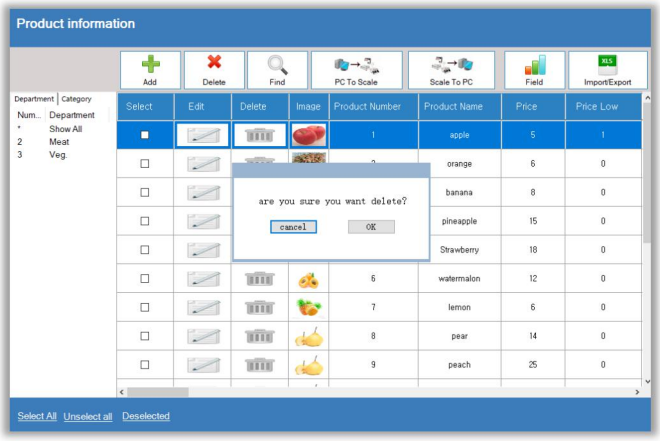


Click Save key to confirm

Nutrition:Used to set the nutritional value of the product.



5.5.2. Delete product information



1 Select a product

2 click

or key ,click “OK” to confirm

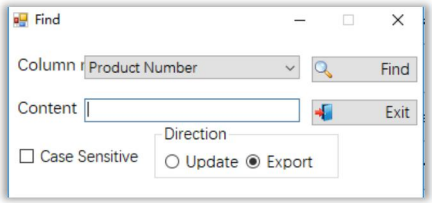
5.5.3. Find product information

It allows the user to find product information according to product number 、 product name、 product code、 category, the number or name should be required to input in the content blank field

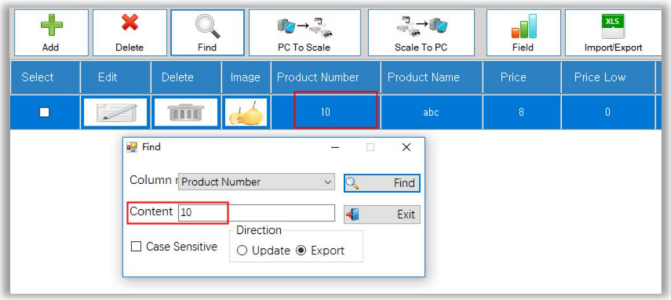
click

key, search product from column list,
click

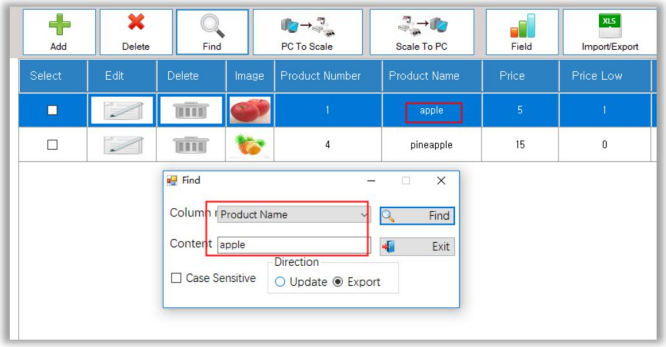
key



Selected product information according to product number



Selected product information according to product name



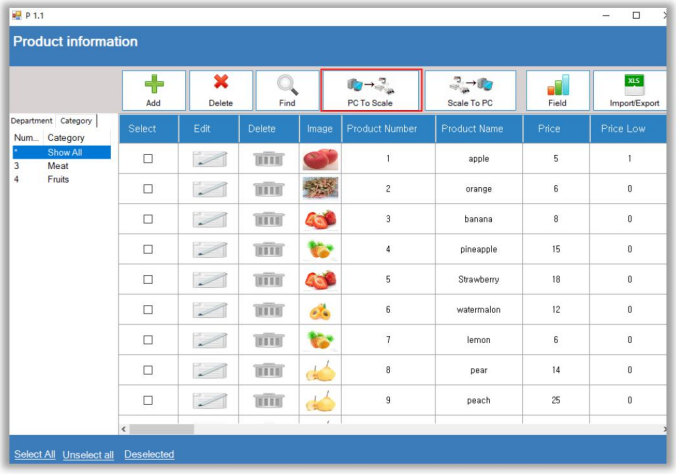
5.5.4. Downloading product information to scales

It allows the user to down product information to scales from the back office software

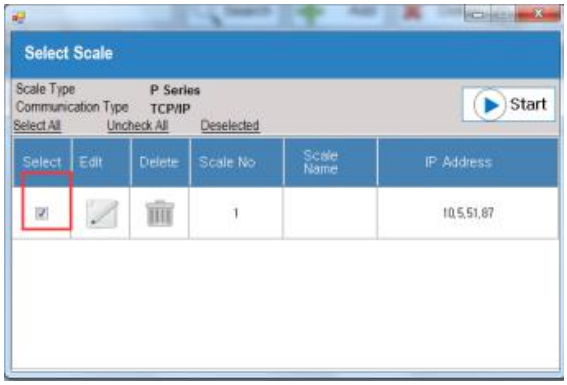
1 Select the product to be updated.

2 Click

key to send product information to scales

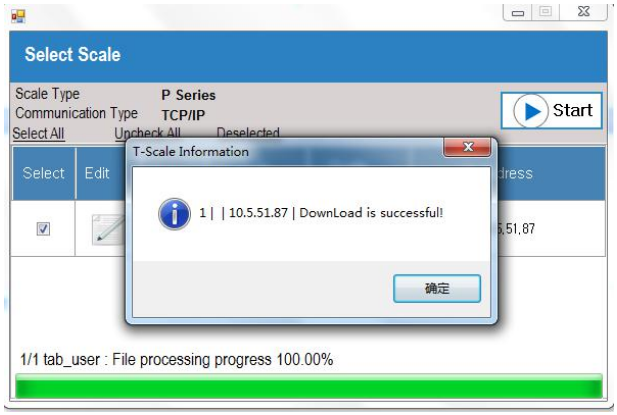


3 The connected scales will be displayed for selection.



4 Then click

key to continue the transfer process.



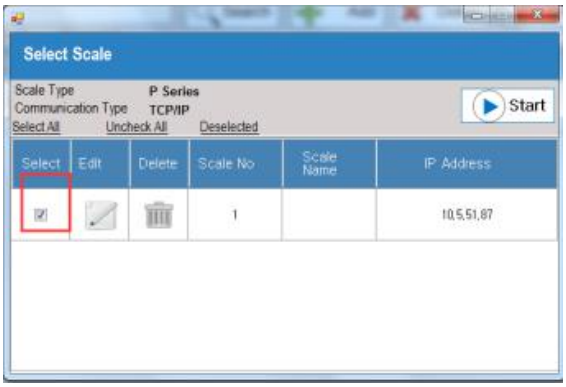
5.5.5. Retrieve product information from scales

It allows the user to retrieve product information from selected scales.

1 Click

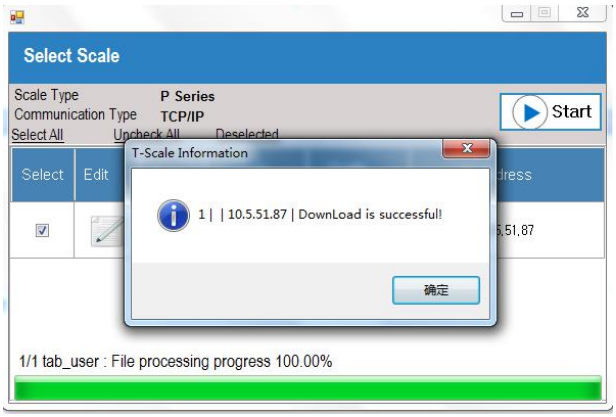
key to retrieve

2 The connected scales will be displayed for selection.



3 Then click

key to continue the transfer process.

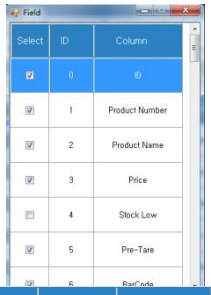


5.5.6. Field

This function allows the user to configure the fields display in the product section.

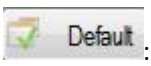
Click

key ,the field interface will open as a new window.

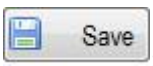


Selected field will be displayed in the product section, usually show in the first line

:Click the key to select all field



:Click the key to set default field configuration

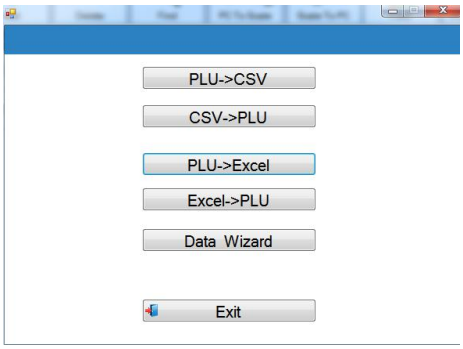


:Click the key to save updated field information

:Click the key to exit this function

5.5.7. Import/Export Product information

This function allows the user to Import or Export Product information from excel sheets to back office software or from back office software to excel sheets.



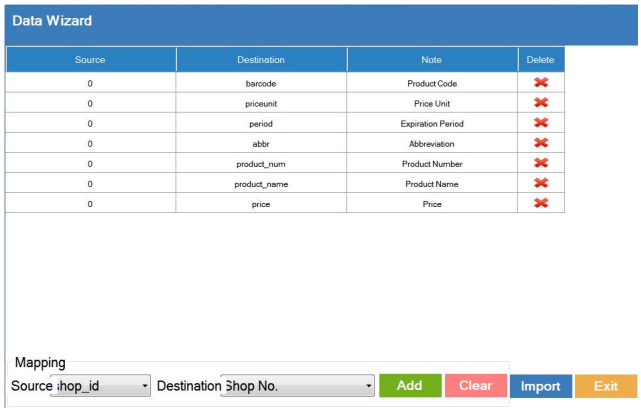
Click PLU->CSV key, the product information will be exported from back office software to excel sheets.

Click CSV->PLU key, the product information will be imported from .csv file to back office software.

Click PLU->Excel key, the product information will be exported from back office software to excel sheets.

Click Excel->PLU key, the product information will be imported from excel sheets to back office software.

Click Data Wizard key, the product information excel could be imported for mapping to add from excel sheets to back office software.



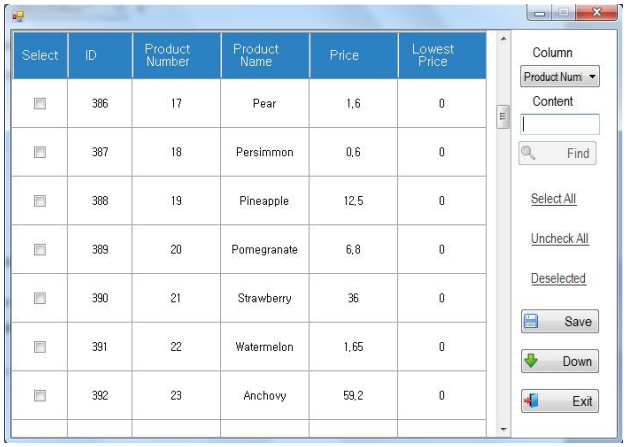
5.6. Batch price Changes

This function allows the user to perform multiple bulk price transfer.

Batch price changes window can be opened by clicking

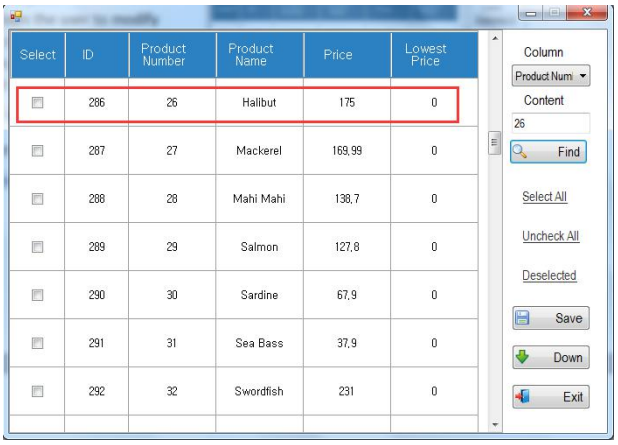
icon in the main menu.

This function allows the user to modify product price, it could be modify according to product name, number etc.,

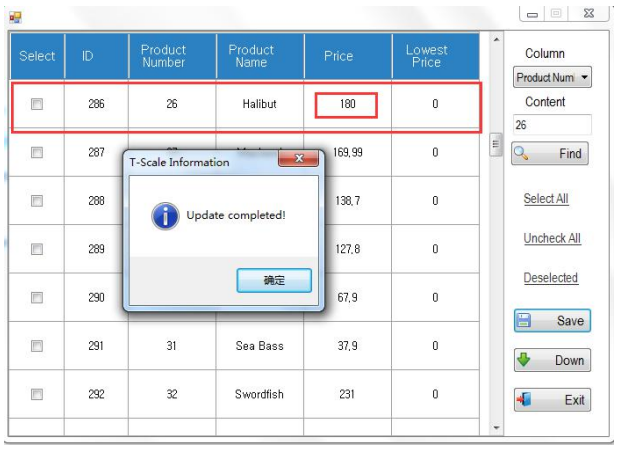


Select from the column list, input contents in the blank field, click Find key

Eg: Input product number “26” in the blank field click Find key, the product item will be show in the first line

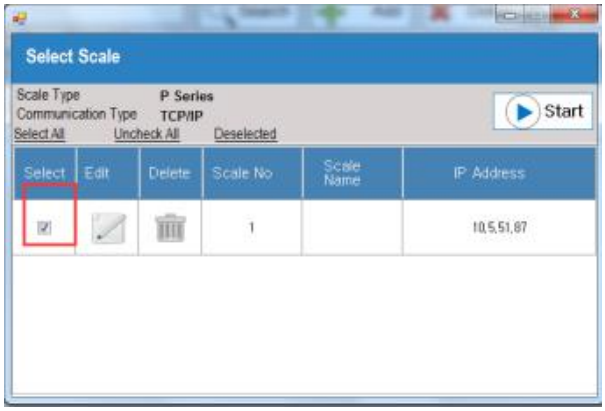


Select the price value to change other value, click Save key to confirm

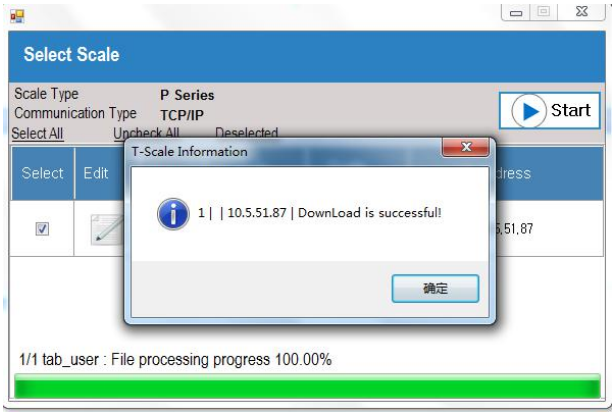


Select the product and price data type ,click Down key to start data transfer

The connected scales will be displayed for selection.



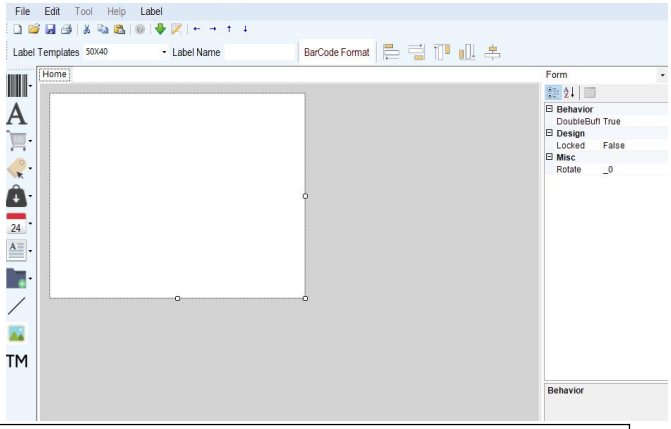
Then click Start key to continue the transfer process.



5.7. Label Design

Label Deign offers the user to design a label format and transfer the format to the scales.

Label design window can be opened by clicking the icon in the main menu or choose from the tool bar,selecting “Advanced Settings” -> “Label Design”



5.7.1. Button Introduction

Icon	Description
	Barcode/ QR Code components.
	Fixed text components. These can be custom texts on the label.
	Product Variables. The label will display the product information corresponding to the selected product while using the scale.
	Price Variables. The label will display the price information corresponding to the selected product and the weighed value while using the scale.
	Weight Variables. The label will display the weight information corresponding to the weighed value while using the scale. The “Net Value” will display the net weight or the quantity of the item based on the item’s information.
	Date Variables. The label will print the date and time information corresponding to the time the label is printed and the selected product’s expiration information while using the scale.
	Text Box Variable. The label will display the header/footer information corresponding to the product selected while using the scale. This information can be set with the “Basic Parameter Settings” tab.
	Remark Variable. The label will display the remark information corresponding to the product selected while using the scale. The remarks are reserved for the product information. Users can use these when the products require more fields.
	Straight Line. Drag across the label design to create a line on the label.
	Image. The label will display the image added onto the label design. Find “image” on the right bar on the label design to select the image from your computer. It is recommended to have a lower quality black and white image.

TM	Trade mark. The label will display the trade mark added onto the label design. Find “image” on the right bar on the label design to select the image from your computer. It is recommended to have a lower quality black and white image.

5.7.2. Create a New Label Format

Each label will require a label name and label size. The label name will determine the name the user sees on the scale when they select a label, or when they assign a label to a product. The label size must match as closely to the actual label as possible.

Label Name

Each label consists of two identifiers: 1. Label Name 2. Format File Name.

1. The label name can be inputted in the following field:

This field is optional. If it is left empty, The Label name will be generated from the format file name. For example, if the label is saved as “example.fmt” the label name will be generated as “example”.

2. The format file name is required when saving the label format for the first time. It is the .fmt file name that will be stored on your local machine. For example, “example.fmt” is a valid format file name.

Note: The label name and format file name must only contain English letters, numbers, spaces, and underscores.

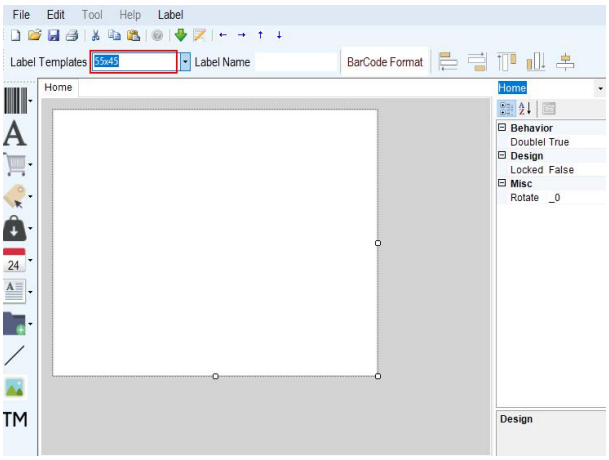
Label Size

A label size is required to be set for each label format. It must match as closely to the actual label that will be used.

A label size consists of label width and label height. For example, it is default to 50x40, which means the label should be 50 mm wide and 40mm tall.

You may select a preset label template drop down:

Or you can click on the white area and input customized mm values; eg: 55x45



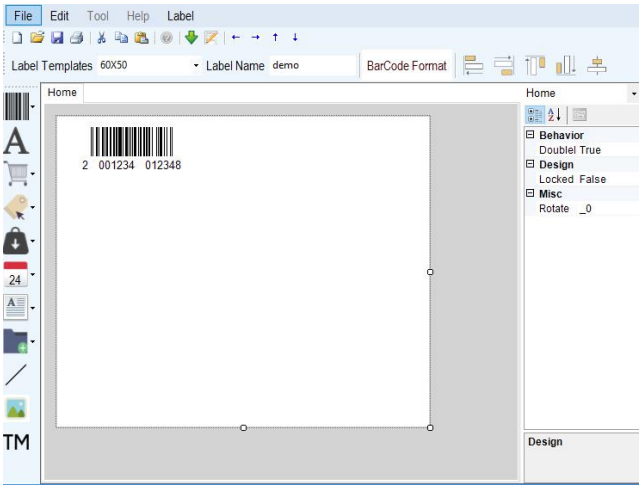
Create New Label and Save:

Open the Label Designer and select the correct label template as marked:

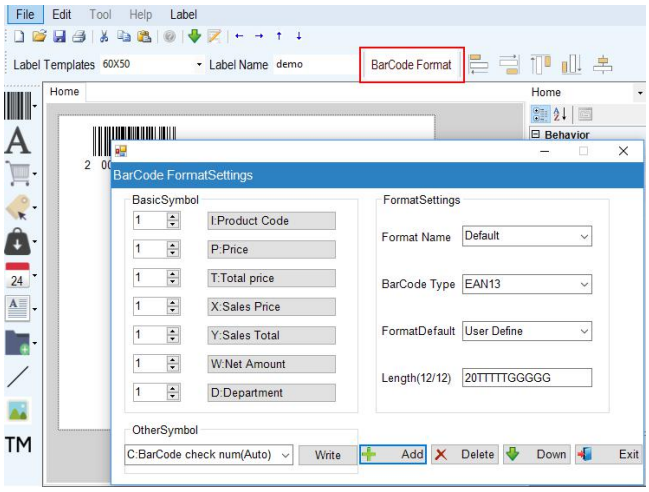
Save the Label by pressing. Name the format file as “demo.fmt”.

5.7.3. Add Barcode

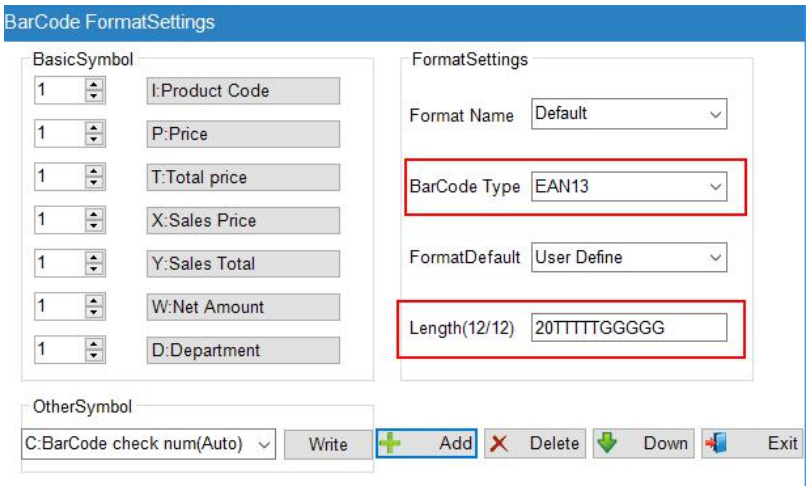
Currently, the supported barcode types are 1-dimension barcodes: EAN8, EAN13, Code 128 etc.
Select “Barcode” and click the Barcode tab, then a barcode image will appear on the label editor.



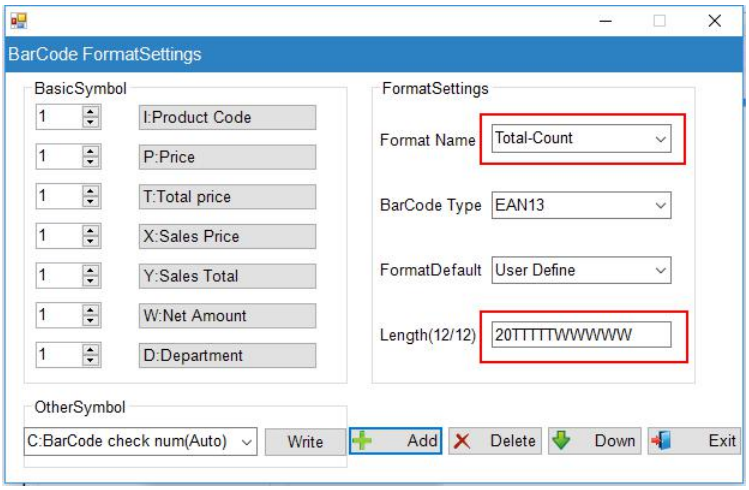
A barcode format can be edit, click the “Barcode Format” after selecting the barcode component: Then, a barcode editor will pop up. Shown as picture:



The marked area is the barcode format. The variables are explained on the left hand side of the barcode editor. You may click on the buttons under “Basic symbol” to add the variables to the barcode format, or you can look for more symbols in the “Other symbol” dropdown, then click write.



Note: A variable can only be added when the barcode format did not exceed the maximum length.
Note: The barcode format must follow its rules. For example, and EAN13 format must end with a ‘C’, or “Barcode checksum”.

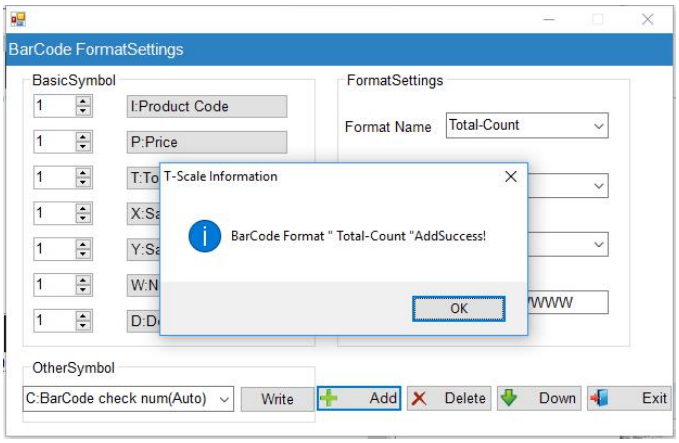


5.7.3.1. Add a barcode format to the label editor

Open the barcode editor and set to the below settings:
The barcode will now display:
2-digit fixed number, 5-digit product code, 5-digit Net Amount,
Add “Format Name” Eg: Total Count

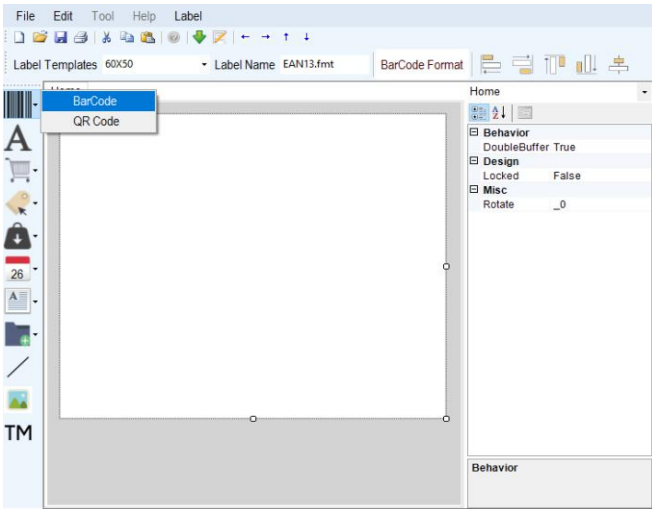
When finished, click

to confirm.

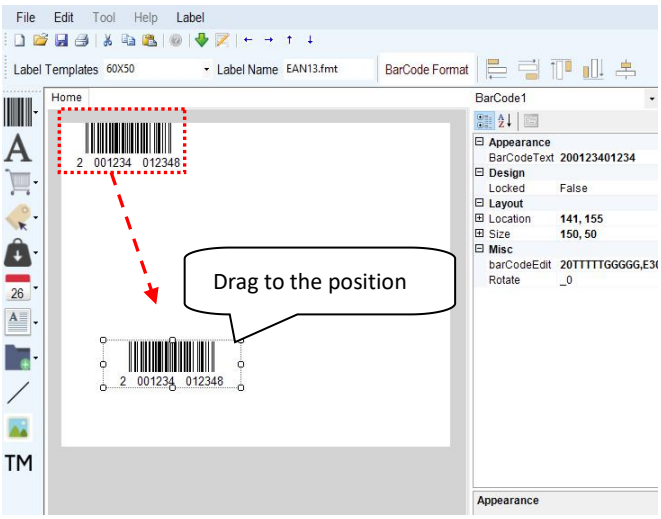


5.7.3.2. Choose barcode format to the label

Click the barcode tab for adding a barcode:

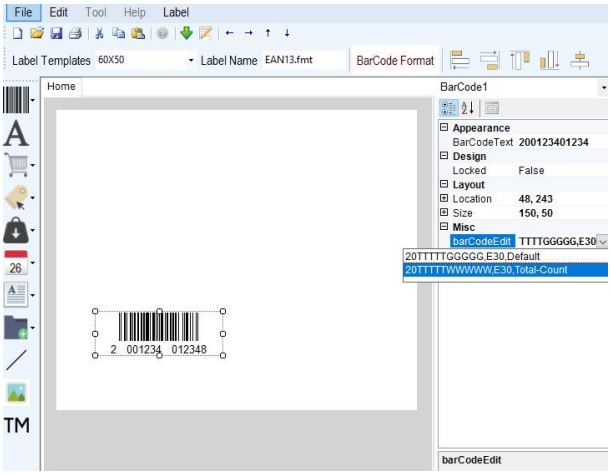


Drag it to the positioning

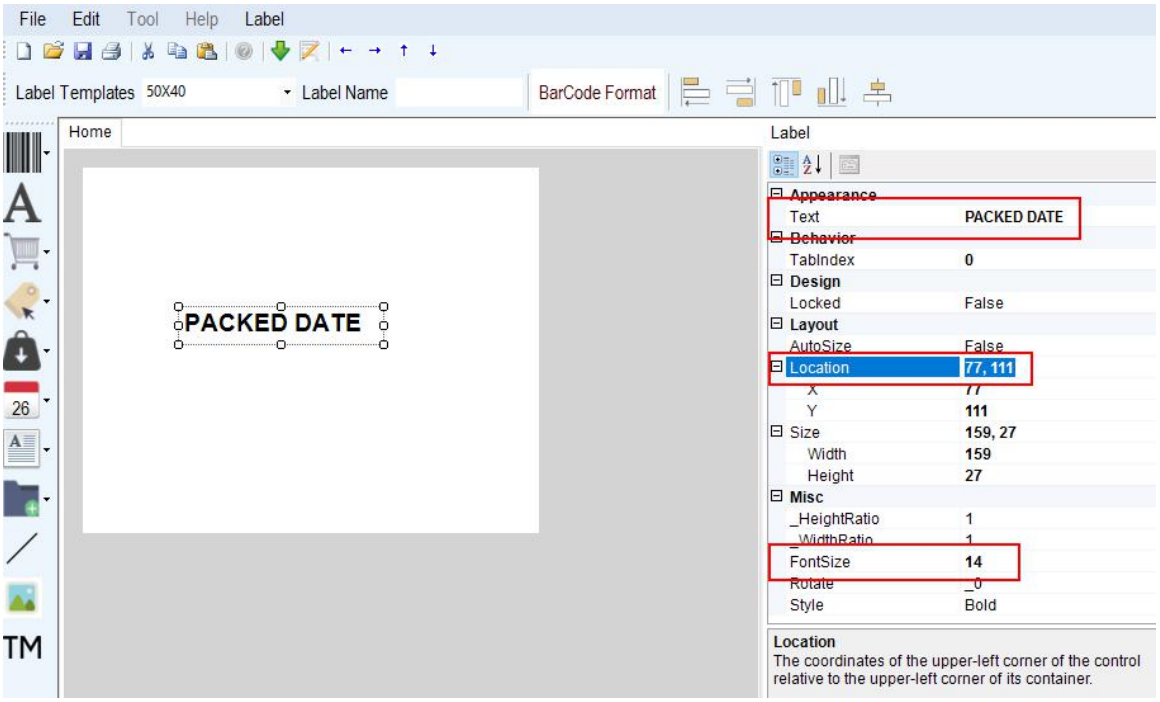


The barcode type/formats can be select as per below
Click the “barCodeEdit” field for enable function

Click the dropdown list for choosing format



5.7.4. Fixed Texts

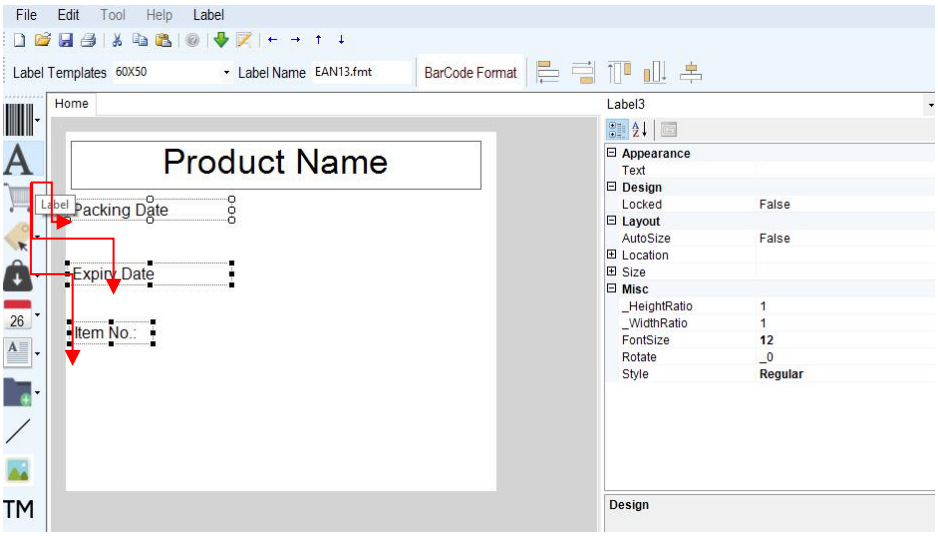


A fixed text is preset to the value the label designer wants it to be. It will be fixed for all the labels using the label format, and will not be changed based on the product being weighted.
The available configurations and constraints on the right side bar for a fixed text are:
1. Font size: Minimum 10.
2. Text: Any text.
3. Location: Must be non negative values.
4. Size: Must be big enough to show the full text.
5. Height Ratio: Must be an integer.
6. Style: Regular or Bold.

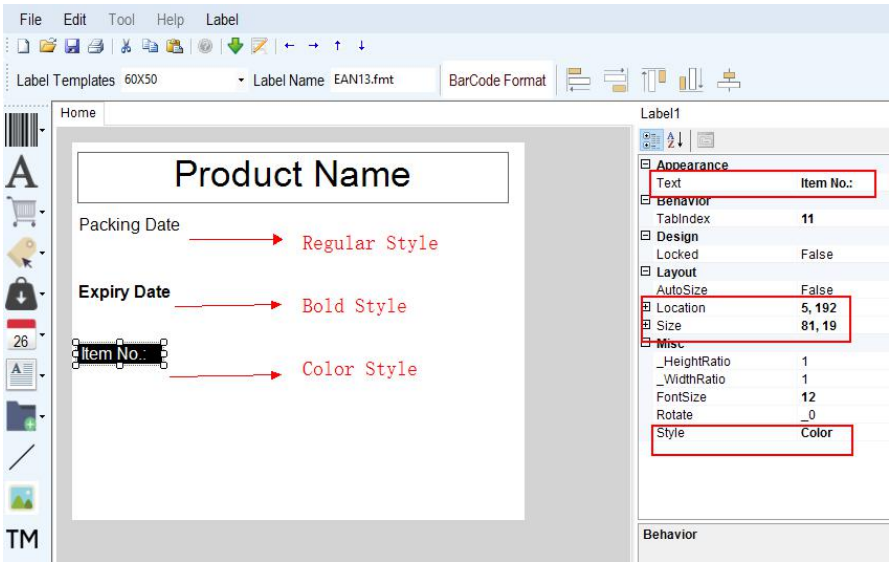
Data Variables

A data variable will display different values on the printed labels base on the real situation.
The available configurations and constraints on the right side bar for a data variable are:
1. Font size: Minimum 10.
2. Location: Must be non negative values.
3. Size: Must be big enough to show the full text.
4. Height Ratio: Must be an integer.
5. Alignment: Left, Center, or Right.
6. Style: Regular or Bold.

Fix Layout and Fixed Texts:
Add three fixed text (labels) as shown below:
1. Packing Date, 2. Expiry Date, 3. Item No

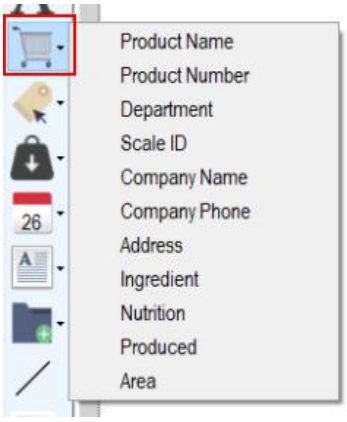


The Texts and font sizes can be configured as below:



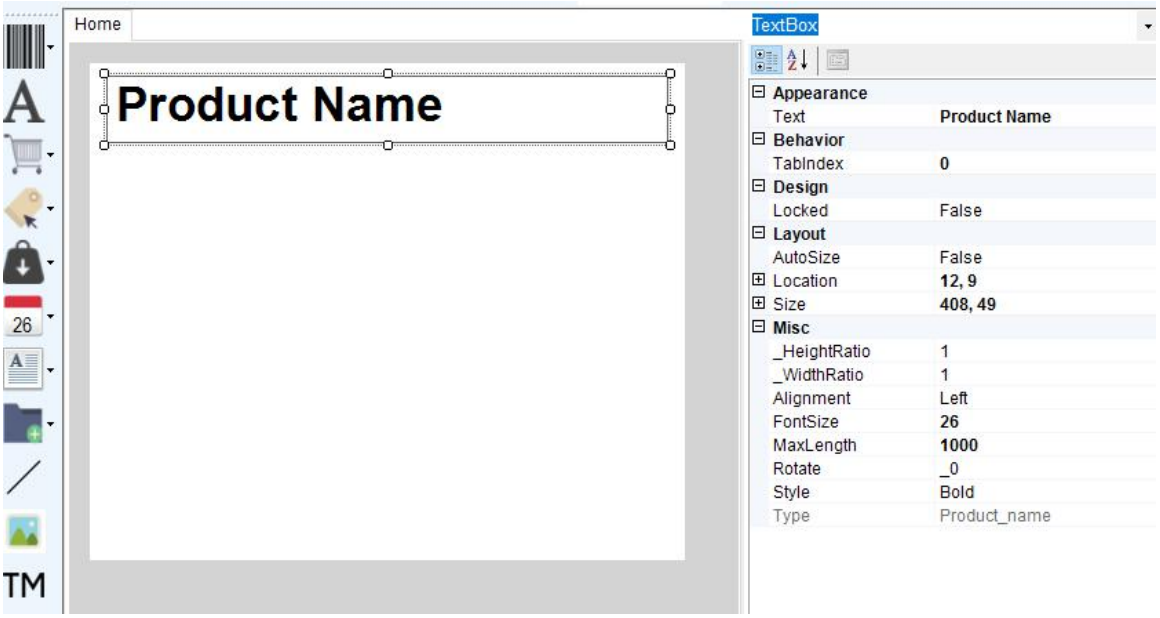
5.7.5. Add Product Name

Product Information

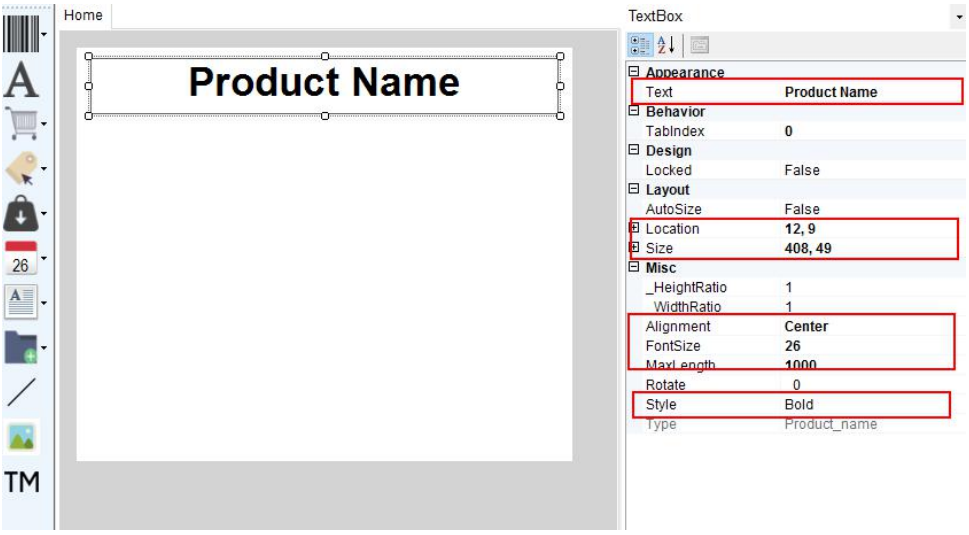


Name of the Product – Set in Product Information
Product Number / PLU Number – Set in "Product Information"
Department (Usually a 2-digit number) – Set in "Scale Information"
Scale ID (Usually a 2-digit number) – Set in "Scale Information"
Company Name – Set in "Basic Parameter Settings"
Company Phone – Set in " basic Parameter Settings"
Address – Set in "Basic Parameter Settings"
Ingredients – Set in Product Information
Nutrition – Set in Product Information
Produced – Set in Product Information
Area- Set in Product information "Origin"

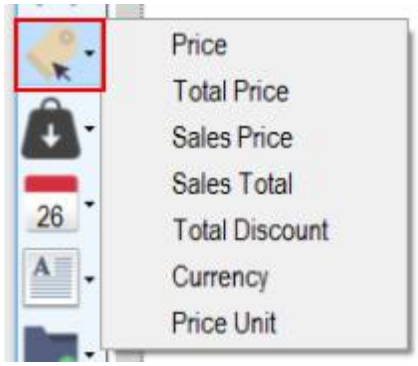
Add a data field “Product name” to the label editor.



Changed the following values in the right hand bar:
Text Name (if required), Location, Size, Alignment, FontSize, Style as below:



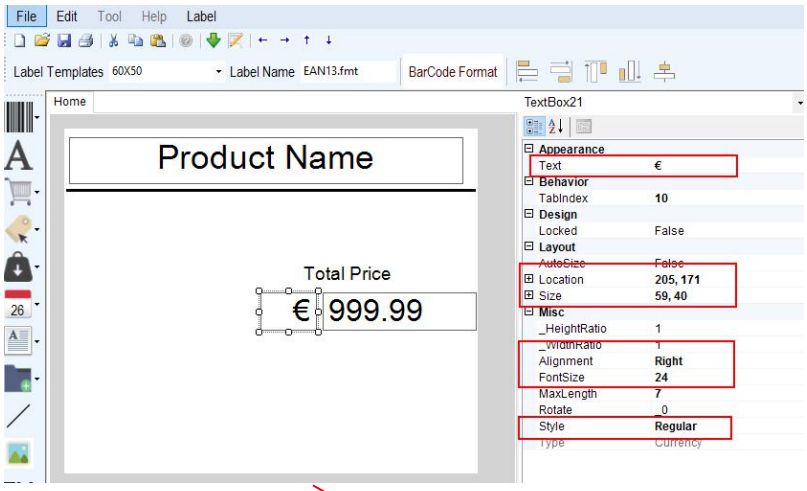
5.7.6. Add Sales Price and Sales Total



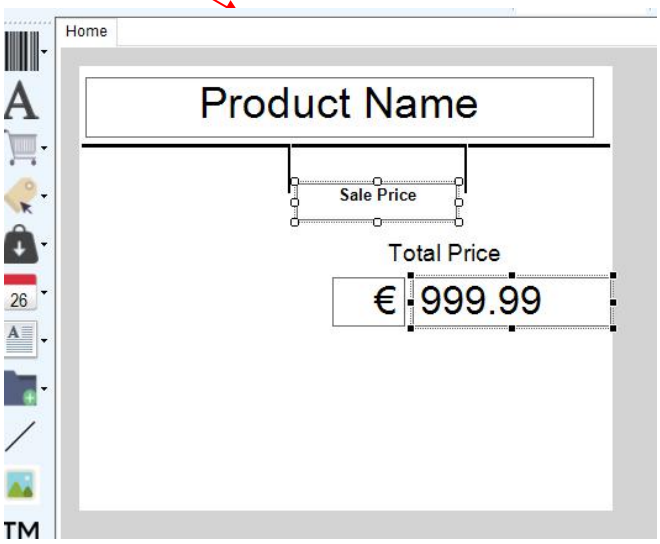
Price: Unit Price of the product
Total Price: Total Price of the product
Sales Total: Sales Unit Price
Total Price after sales
Total Discount = Total Price - Total Sales
Currency: The unit of the price selected on the scale, e.g. $
Price Unit: Price per weight, e.g. $/kg

Add currency variable:

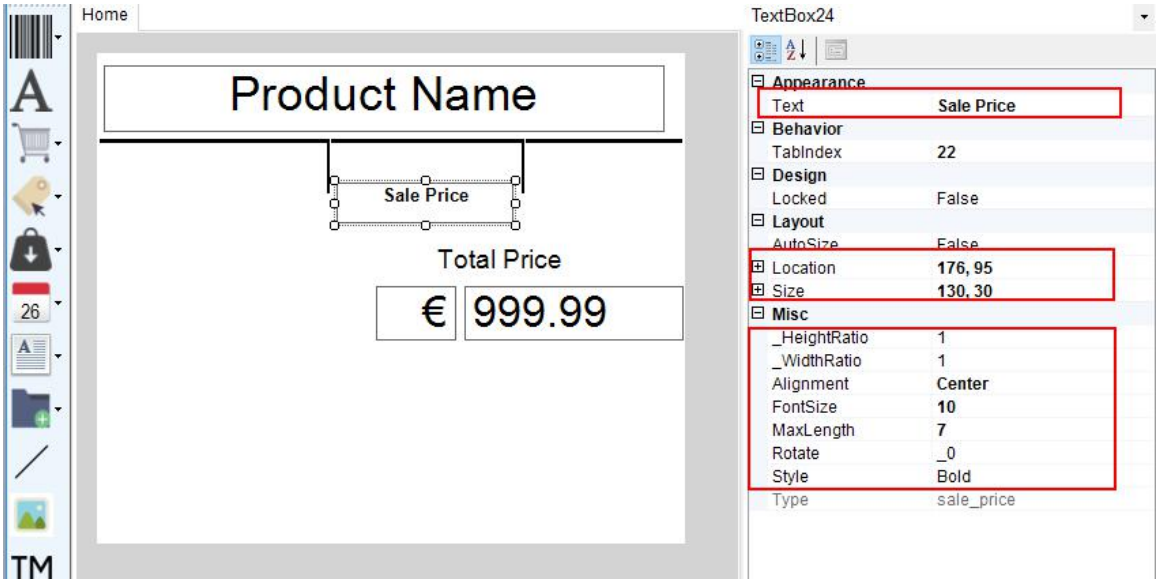
displayed text (Eg: €, This only affects the text in the label editor) Adjust the font size, alignment and style.



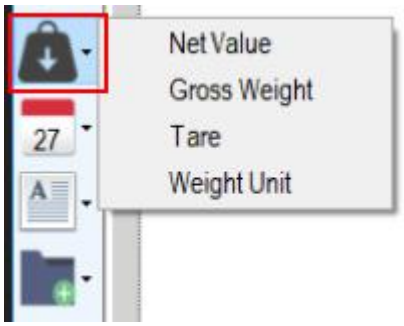
Add two prices to the label.
Sale Price & Sale Total



Adjust the location, alignment, _HeightRatio, font size and style as below:



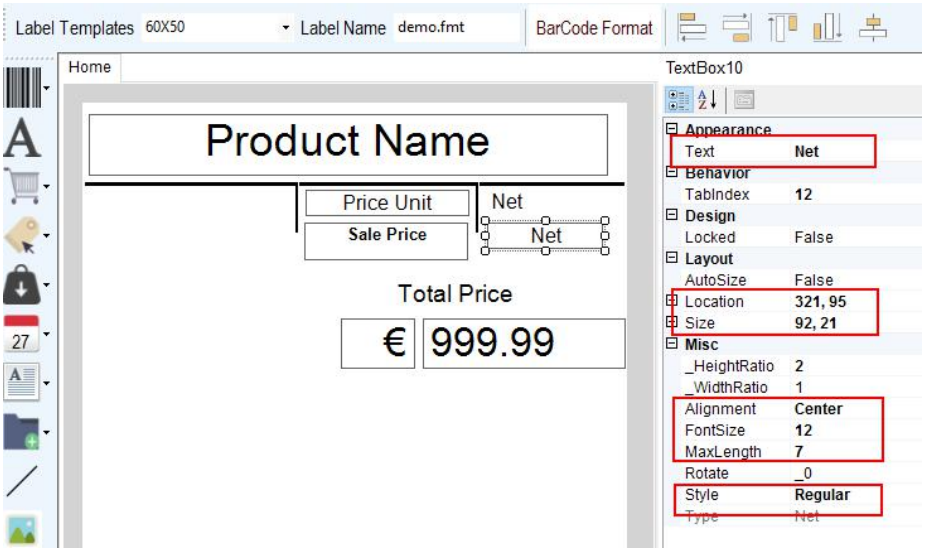
5.7.7. Add weight



Net Value – Weight if weighted product & Count if piece counting product
Gross Weight of the weighted product
The Tare value used for the product
Unit of the weight, e.g. kg

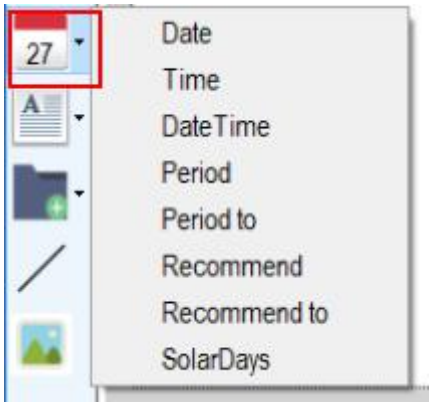
Add weight variable:

Adjust the font size, displayed text (This only affects the text in the label editor), and alignment.



5.7.8. Printed Date and Time

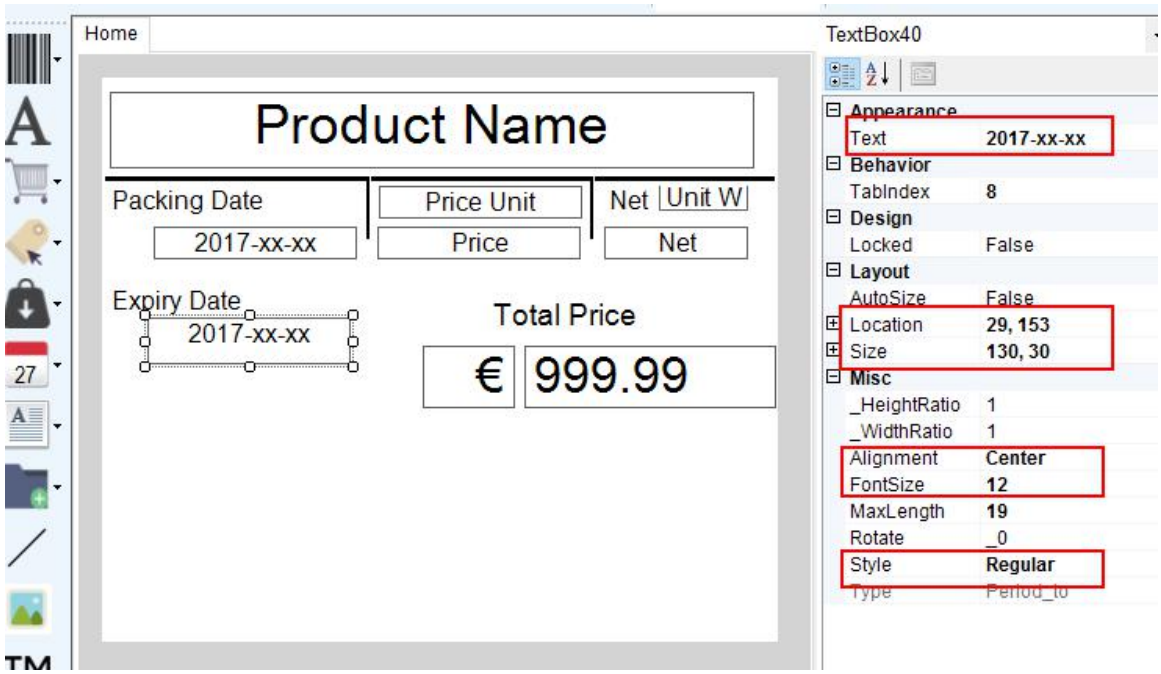
Date and Time



Date – Date of the label printed. Date format can be set in "System Settings"
Time – Time of the label printed.
Date Time – Date and time combined
Period – Printed Date + "Period" number of days set in product information
Period to: The date from print date + Period (Days to Expire)
Recommend:The date from the print date+ "Recommend" number of days set in product information
Recommend to:The date from print date + Recommend
SolarDays:Number of Days past in current year

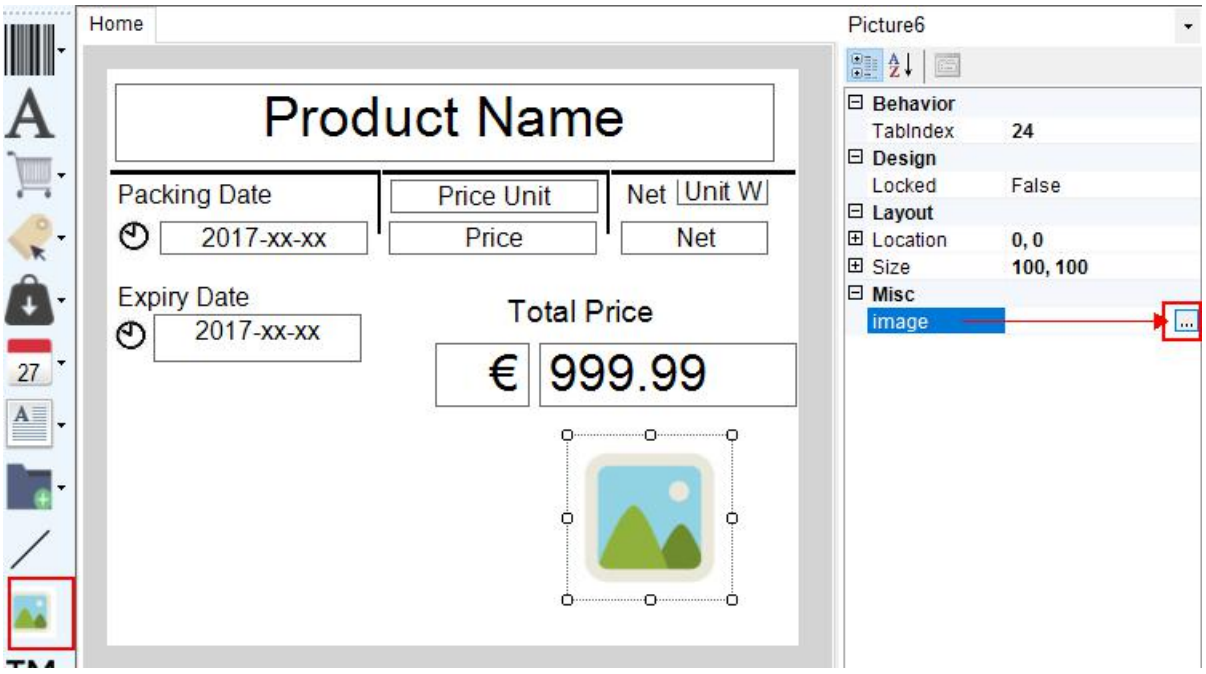
Grab Date and Time from the left hand bar:

Adjust the text, location, alignment, font size and style of the date and time.

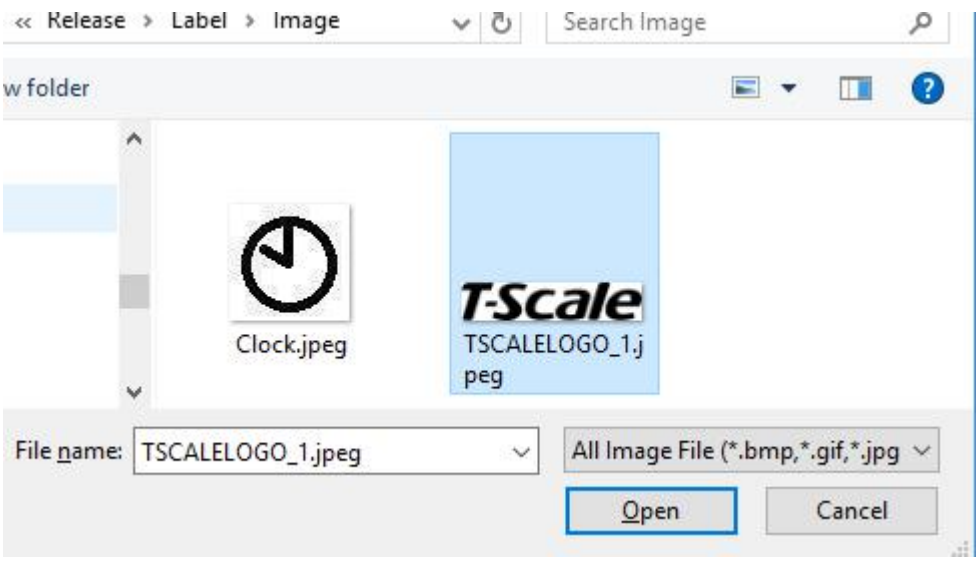


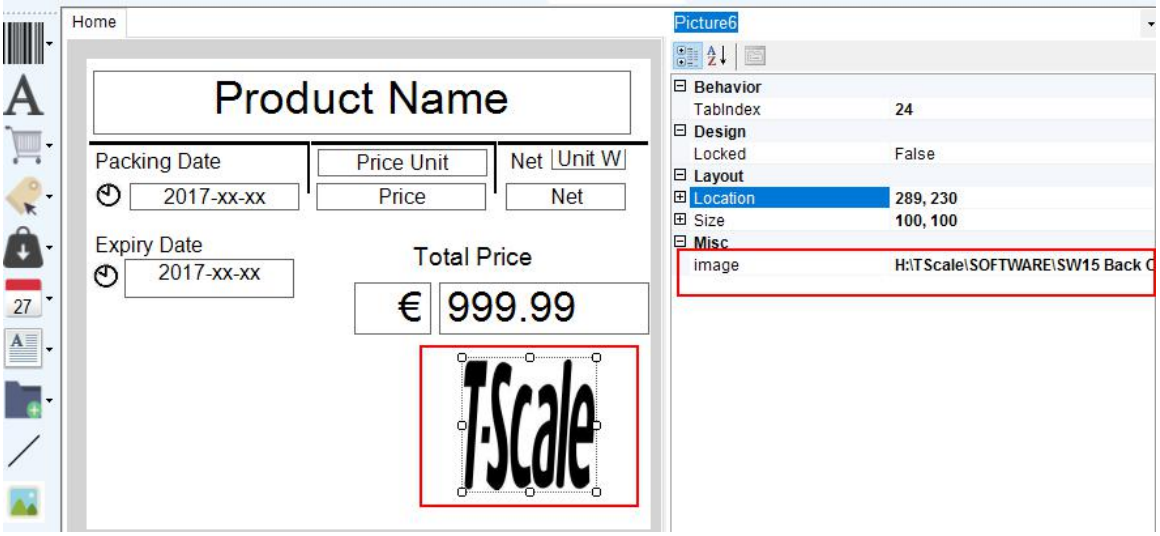
5.7.9. Add Image

Add an image from the left hand bar. Select the image and select the image setting in the right hand bar. Shown as below:

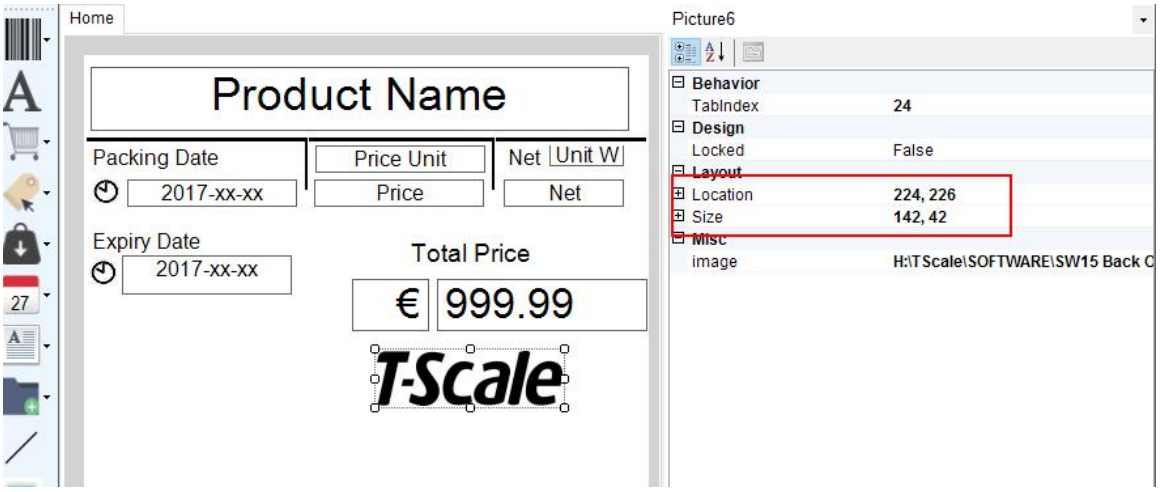


Click on the button and choose a black and white only image. Example, TSCALE LOGO.jpeg





Adjust the location and size, now the image will be show as per below

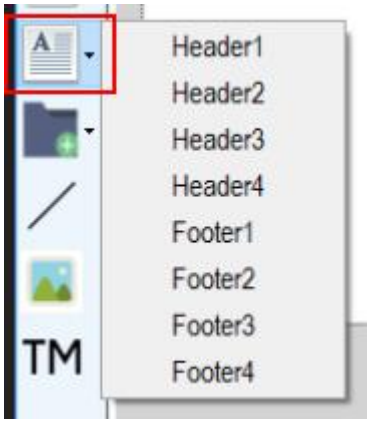


Image

1. Location: Must be non-negative values.
2. Size: Must be non-negative values.
3. Image: select button and choose the image path and file name of your image on the

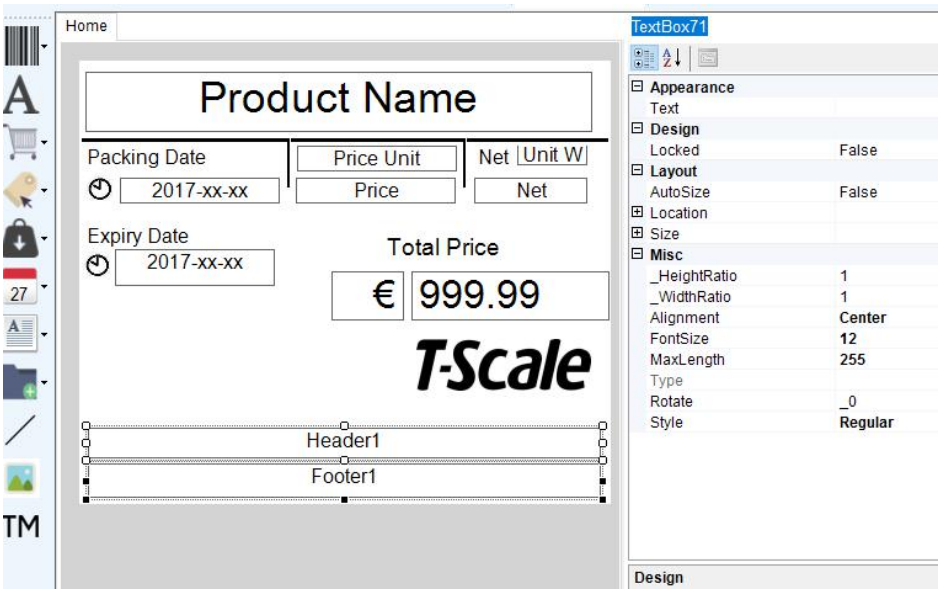
computer. The image must be black and white only.
4. Format: jpeg/png, black & white pictures.

5.7.10. Add Headers and Footers

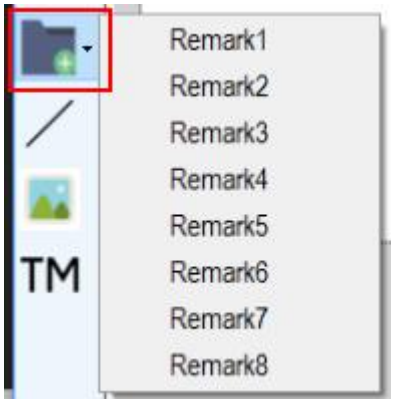


4 Headers can be set in “Basic Paramter Settings”
4 Footers can be set in “Basic Paramter Settings”

Add headers to the label,Adjust the font size and _HeightRatio

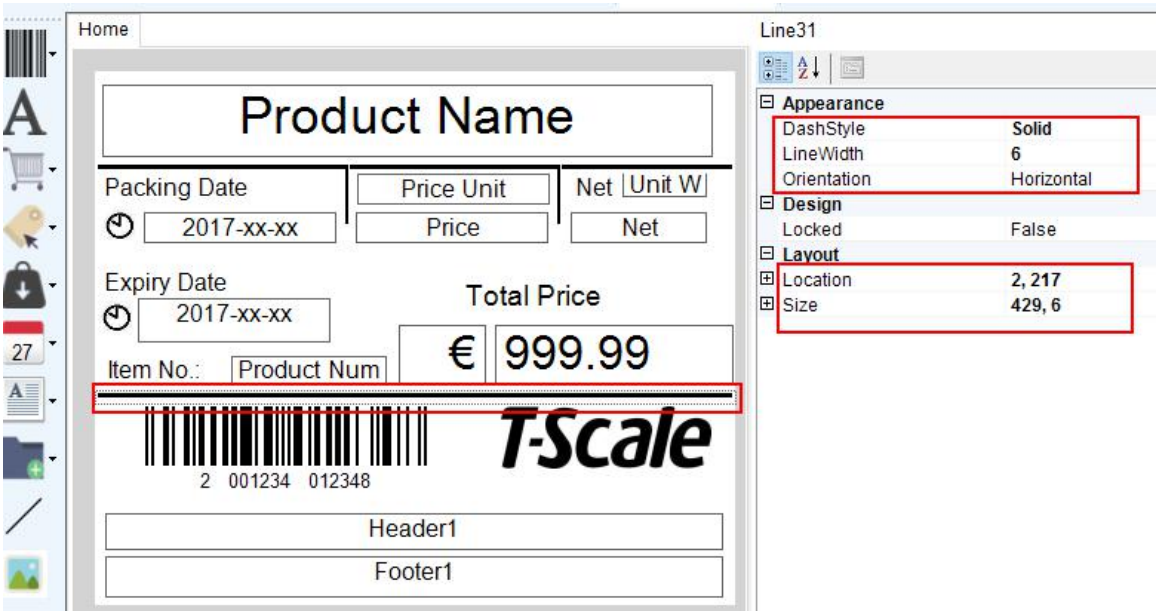


5.7.11. Add Remarks



Remarks can be set in the “Product Information”
They are freely designed fields.
Remark1-4: 1500 characters
Remark5-8: 500 characters

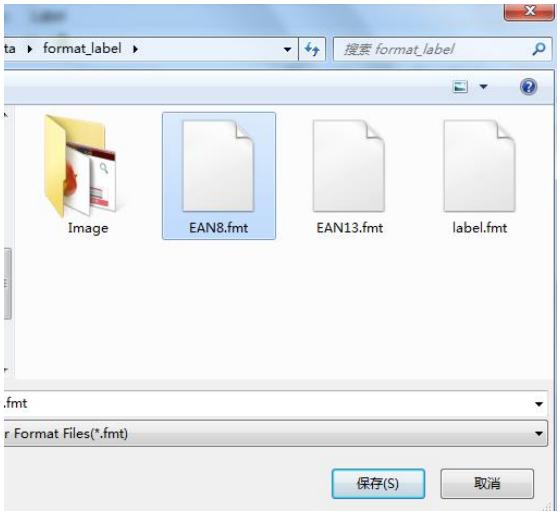
5.7.12. Add Straight Line
1. DashStyle: can be choose the line style option from drop down list
2. LineWidth: can be enter line thickness
3. Orientation: Horizontal or Vertical



NOTE:
All components can be deleted, cut, copied, or pasted.
Select the components you wish to act upon.
1. Delete: Ctrl + Del
2. Cut: Ctrl + X
3. Copy: Ctrl + C
4. Paste: Ctrl + V
You may also perform these functions with right clicking on the selected component.

5.7.13. Saving a Label

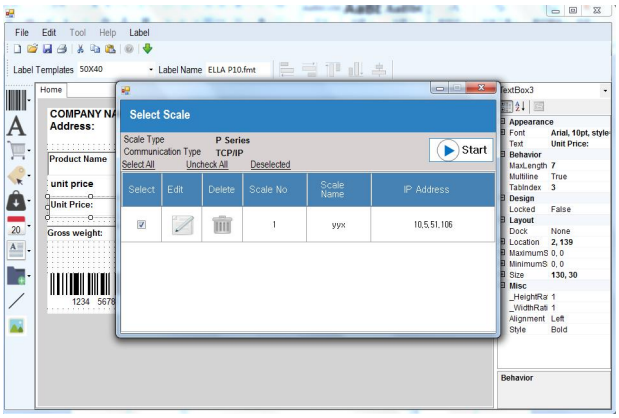
Saving
To save a label, it works similar to most window software. You may go to:
1. “File”->”Save” or select which will ask you where you want to store the new label files if the label is created for the first time, or save the file in the previously selected location.
2. “File”-> “Save As” which will allow the user to save the label files in a different location.
Image and “.fmt” Files
Once the label files are saved, two items will be created on your windows machine:
1. .fmt file. This file contains the information of the



label format.
2. Image folder. This folder contains all the images used in the label format.
Note: It is recommended to the user to save all the label formats under the same folder, so it can be easier to manage. The Image folder must also be in the same path as the according .fmt file.

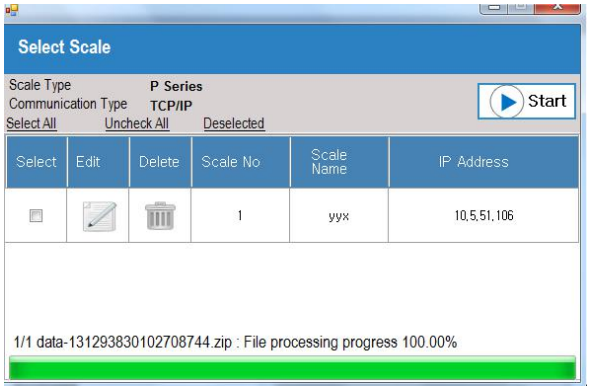
5.7.14. Transferring a Label Format

1. Save the label format in your windows machine before transferring the label format to scale.
2. Make sure the targeted scales are in the same network as your windows machine.
3. Click on button, then after a while, a list of available scale devices will pop up.

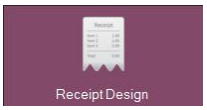


4. Select the targeted scales, and press Start

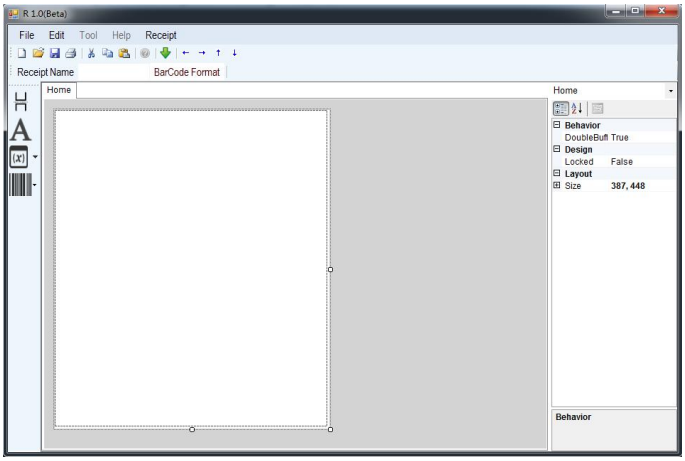
The label format will now be downloaded.



5.8. Receipt Design

Receipt design allows the user to design a receipt format from the back office software and transfer to the scales. Receipt design window can be opened by clicking the 

icon in the main menu or choose from the tool bar, selecting “Advanced Settings” -> “Receipt design ”

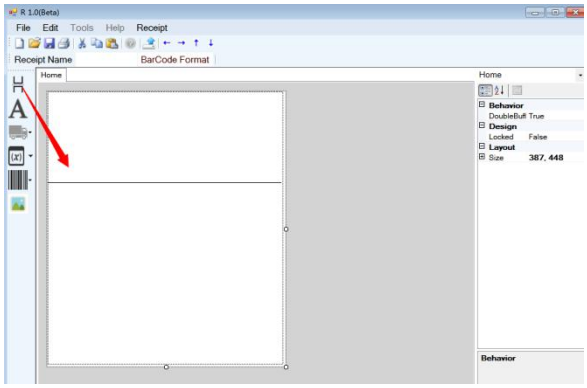


5.8.1. Button Introduction

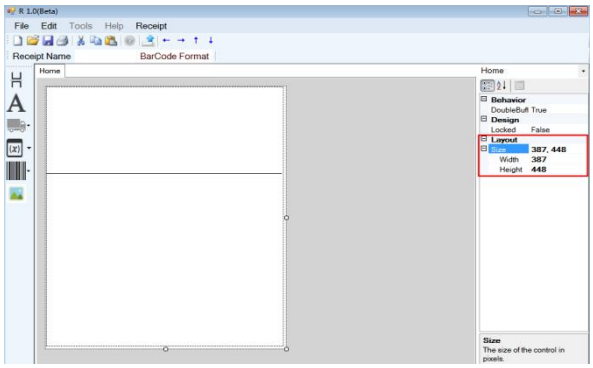
Icon	Description
	Page break,used to insert the page break in the receipt editor
	Fixed text components. These can be custom texts on the label.
	All of Product information Variables used in the scales. The label will display the product information corresponding to the selected product while using the scale.
	Bar code Code for product components.

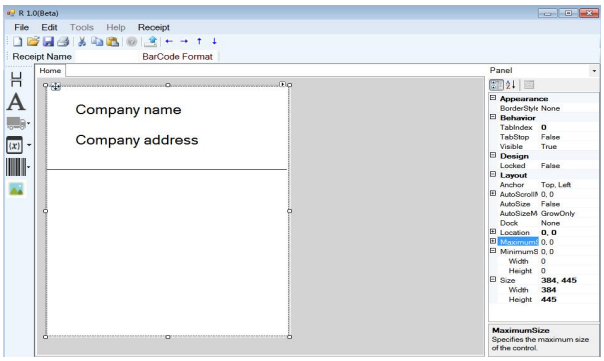
5.8.2 Add Paging Characters

Click button to add pagination to the receipt design interface.



Selected page characters are adjusted to the appropriate position in the right area. Linewidth, line type and placement direction can be selected.

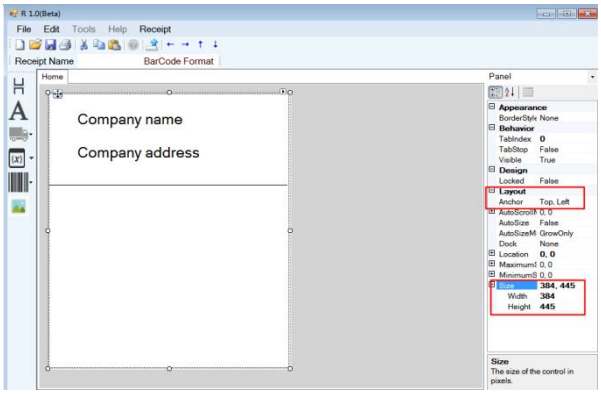




5.8.3Add text information

Click button to insert relevant text information into the receipt design interface.

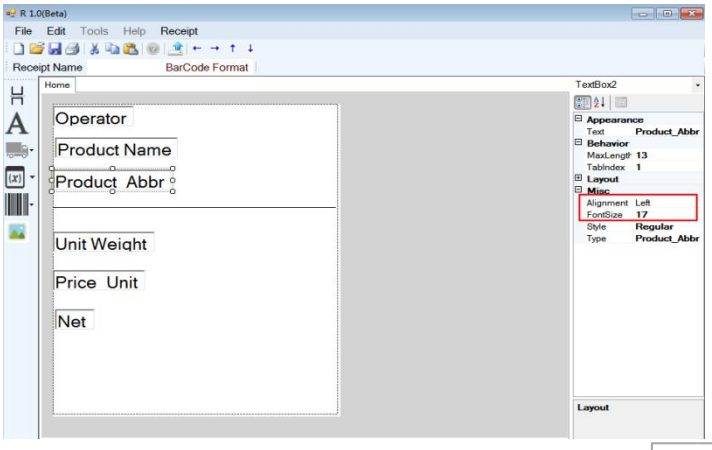
Select the text information, adjust the target parameters in the right column, and set the font, size, alignment and so on.



5.8.4 Adding variable information

Click button to insert relevant variables such as products, customers and so on into the receipt design interface.

Select the variable information, adjust the target parameters in the right column, and set the font, size, alignment and so on.



5.8.5 Adding Barcode Information

Click on the button to insert a bar code into the receipt design interface

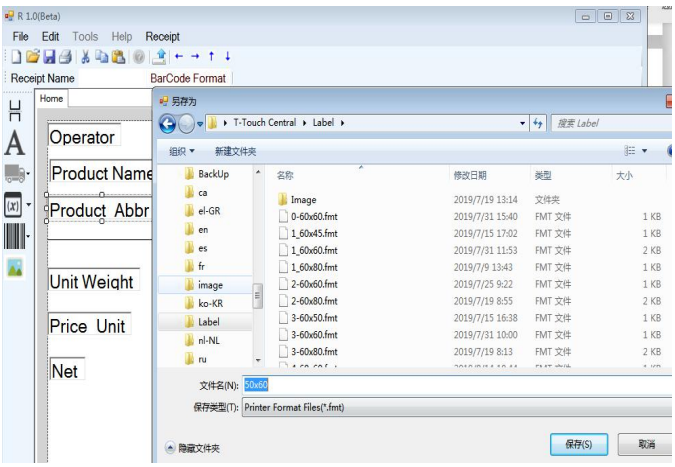
Bar Code Information Specific Operation Settings Reference 5.6.4 Add Bar Code

5.8.6 Save receipt format

Click the Save button to enter the name of the format file

Click

Save Files.



Save in the same way as most Windows software:

1. "File" - > Save"or press, if it is the first time to save, the system will prompt access path options. Backstage > label

If the format has been saved, the previously saved path is automatically saved.

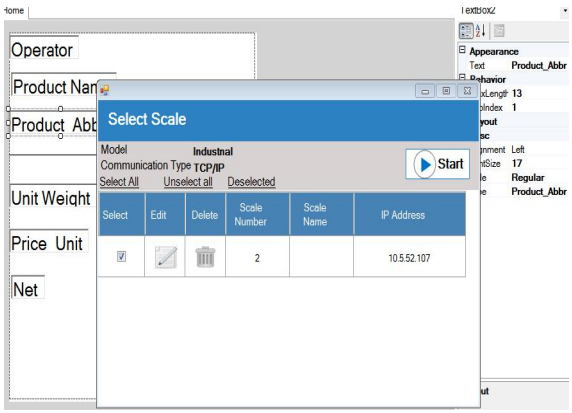
2. "File - > Save As" allows users to re-save the label format in another path.

Image folder and ".fmt" file

When the tag format is successfully saved, two documents are generated:

1. FMT file - This file contains tag format information.

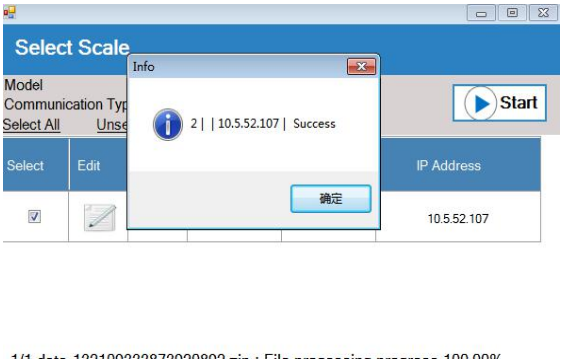
2. Image folder - This folder contains the images used in the tag format.



5.8.7 Format for issuing receipts

Click the button, send the receipt format to the target scale, select the target scale, click the button for transmission.

Successful synchronization of interface prompts



Note: All the above items can be deleted, cut, duplicate and paste. You can press the corresponding shortcut key on the keyboard.

1. Delete: Ctrl + Del
2. Shear: Ctrl + X
3. Replication: Ctrl + C
4. Paste: Ctrl + V

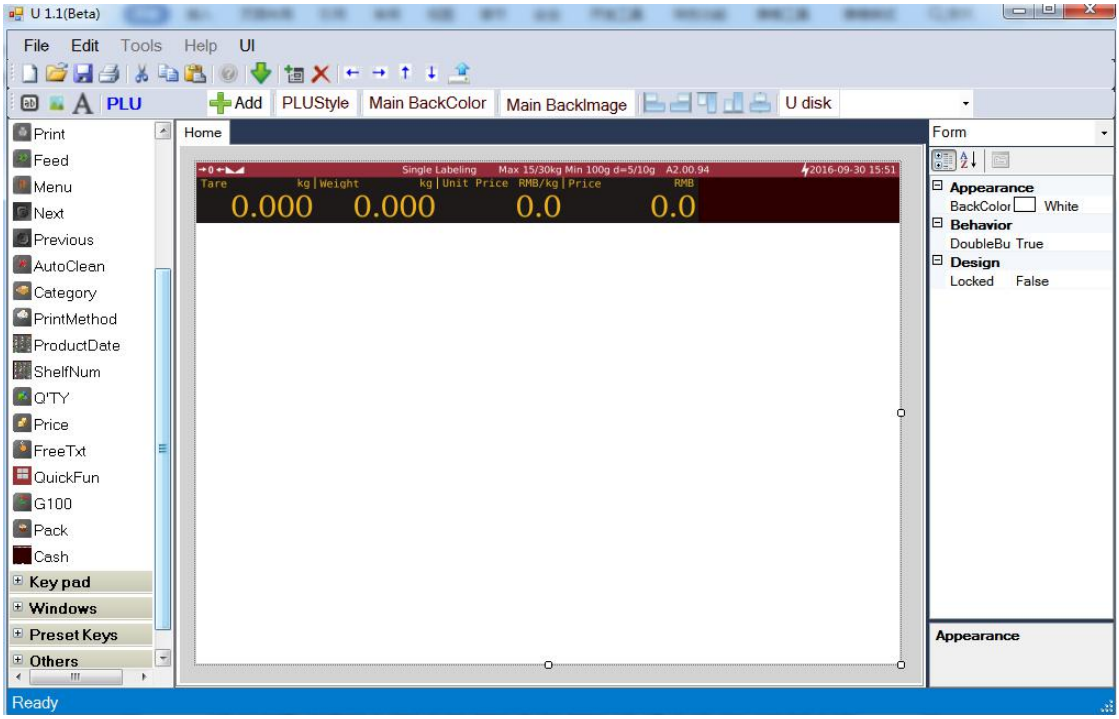
You can also do the above by right-clicking the selected object. The target object can be moved left, right, up and down.

5.9. Operation Interface

Operation interface allows the user to design a sales interface from the back office software and transfer to the scales.

Operation Interface window can be opened by clicking the

icon in the main menu.



The UI Design template is fixed to 640 pixels by 400 pixels. The top of the User Interface is the weighing information, and it cannot be covered. The components on the scales will match identically to UI designed with TTC.

5.9.1. Button instruction

Icon	Description
	These icons are windows' default. Use these to create new UI Design, open an existing UI Design with .ui file extension, or save the UI Design.
	The download button is used to transfer the UI design to the scales. Once the UI design is saved, it can be transferred to any existing and connected scales. Once the UI is transferred to the scale, it will automatically be applied to the sales screen. Then click start to continue the transfer process.
	Operation page component. Add a page in the UI. It can contain different categories of products, or different categories.
	Button Component. Create a button on the page. Its functionality can be set in the properties section. It can be used as a page switcher by adding a "destination" variable to the button component, or can be set to a functional button by setting its function type.
	Image Component. The UI will display the image added onto the UI design. The image can be set in the properties section. The image format must have a .png file extension.
	Text Component. The UI will display the inserted text field. The text can be set in the properties section.

PLU Add	PLU/Product Component. By selecting a product, the product icon will be added onto the UI. Note that the product must be inserted into the back office's database using the "PLU Information."
PLUStyle	PLU Style Component. Create PLU back ground/style. It could be adjust PLU keys font size, font color, back ground color and transparency. Note that the customized PLU's style only adjustable. Fixed or default keys are not applicable
Button	Basic buttons with pre-configured functionality
Key Pad	Grouped templates of buttons.
Windows	Pre-configured displays or layouts
Preset Keys	Vendor icons and tare layers
Others	Media displays.

a) Page Layout Section
This section displays the page layout of the current UI Design. Right or left click a page to add or delete a page. Double click to show the page for editing.

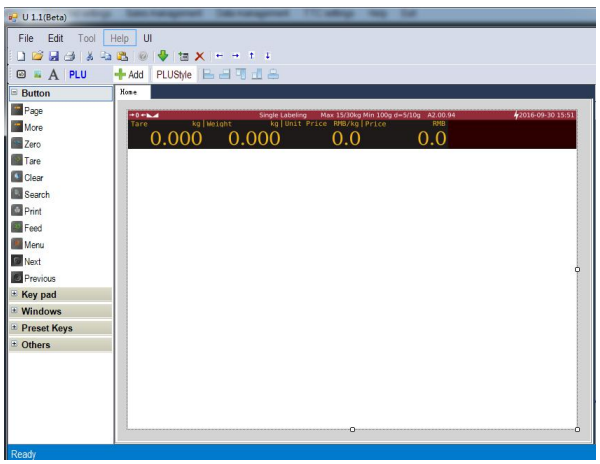
b) Properties Section
This section offers the user to perform detailed configuration on the selected UI component. The below chart shows the currently supported properties against each component:

Component / Property	Button	Picture	Label	PLU	Function button
Location	√	√	√	√	√
Size	√	√	√	√	√
Text	√	√	√	√	√
Background Image	√	×	√	×	√
Image	×	√	√	×	×
Destination	√	×	×	×	×

5.9.2. Add page

Click button to add a page

If set more category,the page should be added correspondingly

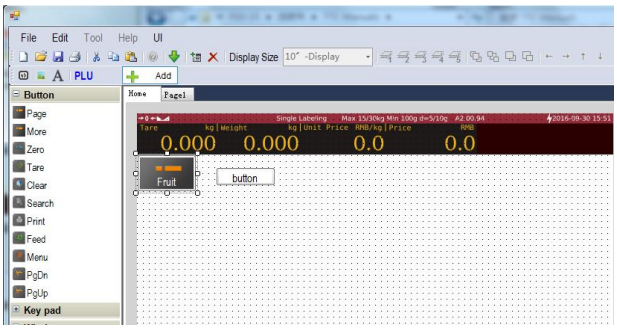


5.9.3. Add button

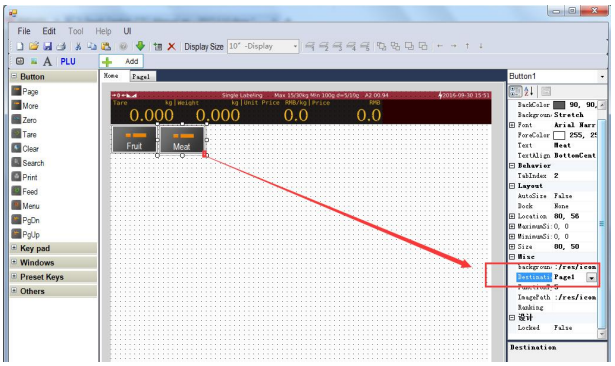
Double click a button from the left bar,

or click icon to creat a button ,

drag the variable to proper area

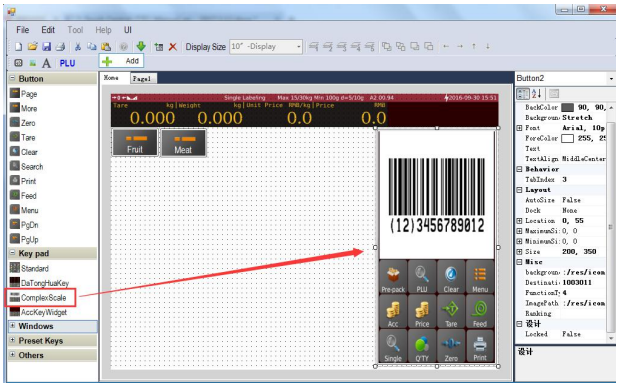


Set Its functionality in the right properties section. It can be used as a page switcher by adding a “destination” variable to the button component, or can be set to a functional button by setting its function type.



5.9.4. Add key pad

Select Key pad option,double click one Key pad named complex scale,drag the key pad to proper field



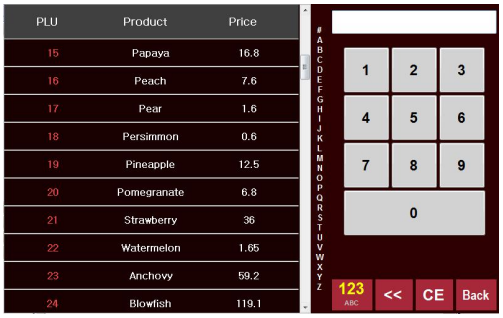
5.9.5. Add PLU

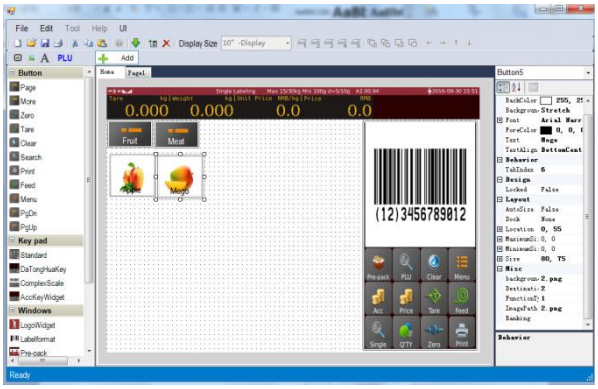
It allows the user to add PLU in the page one by one,

click

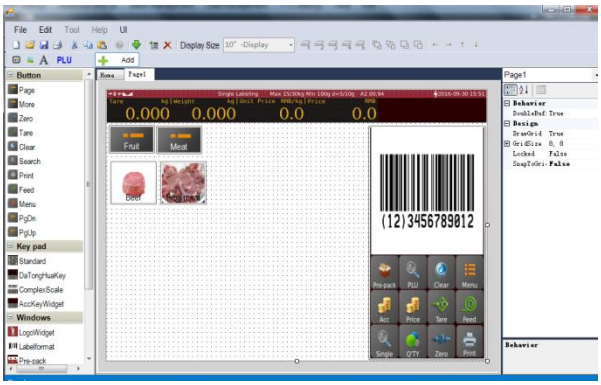
key, the display show PLU Interface

Select PLU to add in the home page



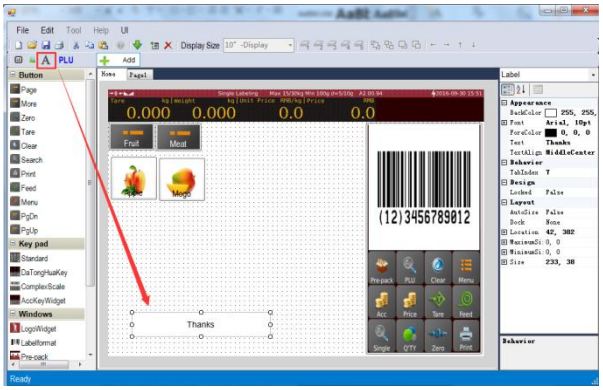


Select PLU to add in the page1
Set Its functionality in the right properties section



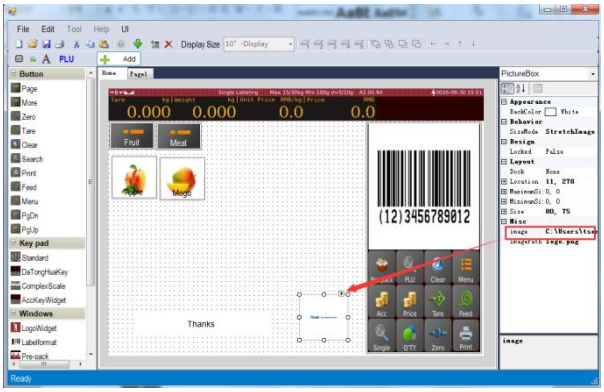
5.9.6. Add text

It allows to add text in the blank field,
set content in the right properties section



5.9.7. Add image

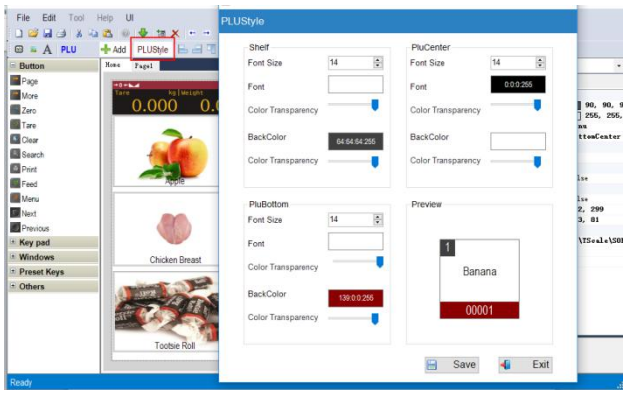
It allows to add image in the blank field, click key to add a blank image, add a logo in the right properties section, shown as the right picture



5.9.8. PLU Style

By clicking

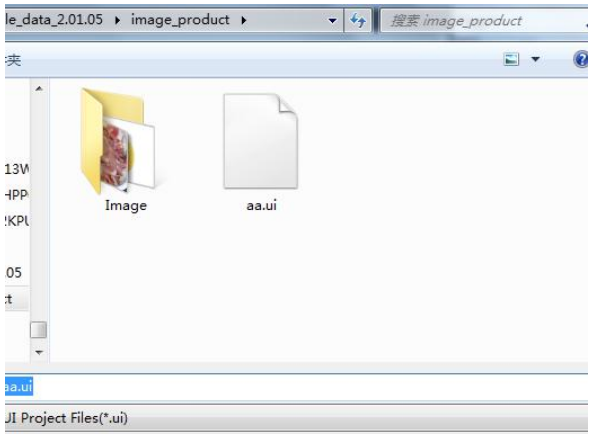
tab, it will pop up a PLUStyle window for configuring font size, font color, back ground color, and transparency.



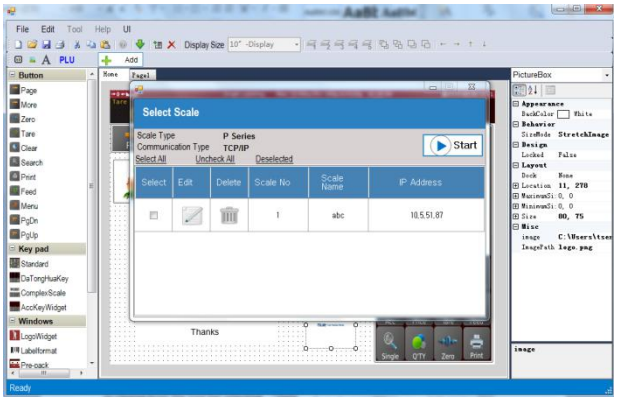
NOTE:
All components can be deleted, cut, copied, or pasted.
Select the components you wish to act upon.
1. Delete: Ctrl + Del
2. Cut: Ctrl + X
3. Copy: Ctrl + C
4. Paste: Ctrl + V
You may also perform these functions with right clicking on the selected component.

5.9.9. Saving a UI

Saving
To save a label, it works similar to most window software. You may go to:
1. “File”->”Save” or select which will ask you where you want to store the new UI files if the UI is created for the first time, or save the file in the previously selected location.
2. “File”-> “Save As” which will allow the user to save the UI in a different location.
Image and “.ui” Files

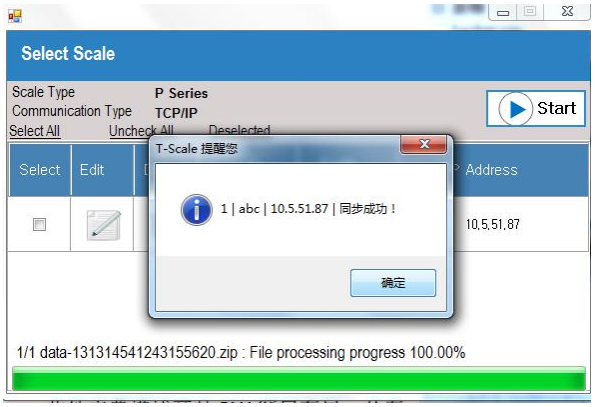


5.9.10. Down UI
1. Save the UI in your windows machine before transferring the UI to scale.
2. Make sure the targeted scales are in the same network as your windows machine.
3. Click on button, then after a while, a list of available scale devices will pop up.



4. Select the targeted scales, and press

. The label format will now be downloaded.



5.10. Data Issued

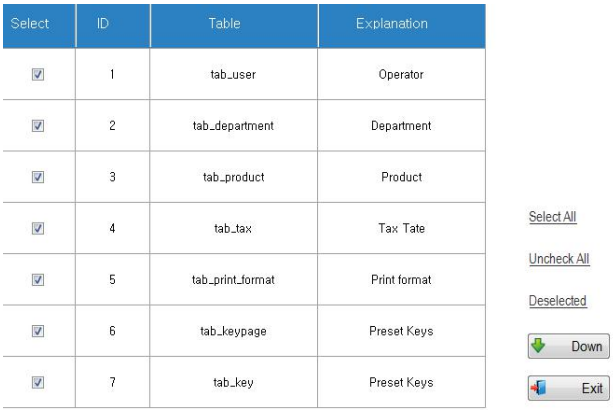
This function allows the user to perform multiple data type transfer

Data issued window can be opened by clicking the

icon in the main menu or choose from the tool bar,selecting “Data management” -> “Data issued ”

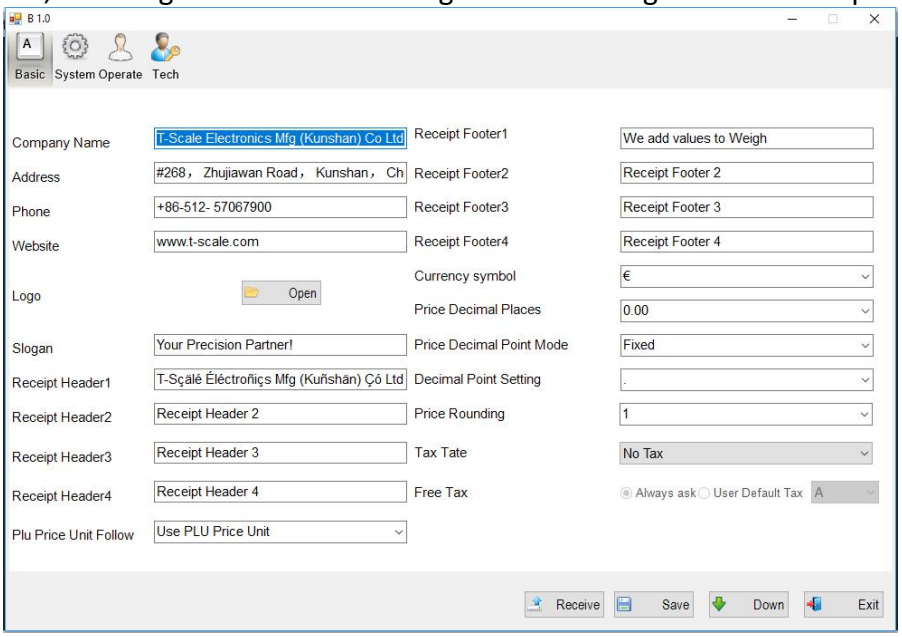
Select the targeted data type then click

to start the data transfer.

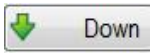


5.11. Basic Parameter Setting

This function allows the user to configure the company information transfer the company basic information to the scales, This information will be used in the label format. basic parameter setting window can be opened by clicking the icon in the main menu or choose from the tool bar, selecting “Parameter setting” -> “Configuration of basic parameters ”



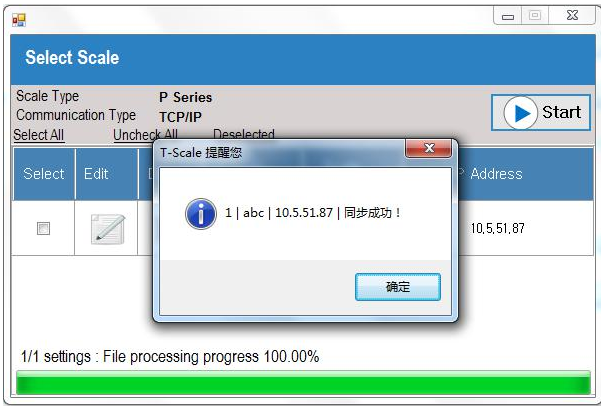
Currently,it allows to configure basic /system/operate parameter/ Technical setting,

Click the 

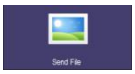
button to transfer, or click the

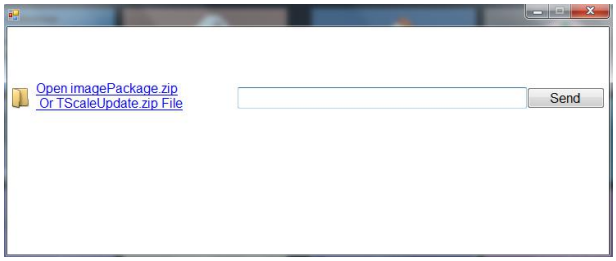
button to download, then click

key to start data transfer



5.12. Send File

This function allows the user to send image files to the scale, or send update patch to the scales. Send file window can be opened by clicking the  icon in the main menu or choose from the tool bar, selecting “Data management” -> “Send file ”



Click on the OpenimagePackage.zip orTScaleUpdate.zip File button then select the matching .zip file.

a) imagePackage.zip Format:
   Compress all the image/video folders directly (with no parent directory).
   - imagePackage.zip
     - image_product
     - media

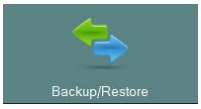
b) TScaleUpdate.zip Format:
   Compress the update file T-Touch and the library folder TscaleLib.
   - TScaleUpdate.zip
     - T-Touch
     - Back
     - TscaleLib

c) If an image zip file is sent to the scale, the images will be stored in the scale and can be used as product image displays.

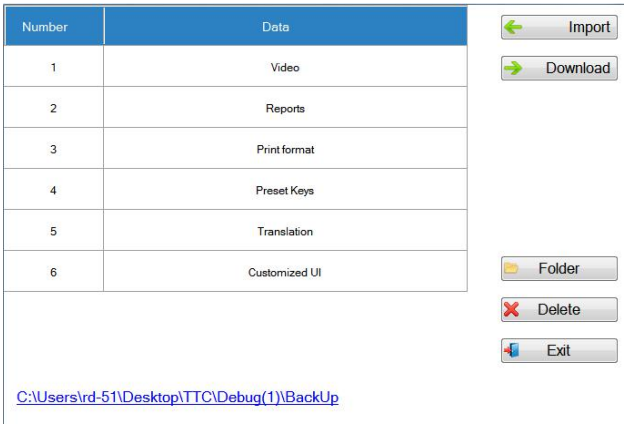
d) If an update zip file is sent to the scale, the scale will prompt the user for software update.

5.13. Backup/Restore Scale Data

This function allows the user to make backups for a scale, or restore the data onto a scale.

Backup/Restore scale data window can be opened by clicking the 

icon in the main menu or choose from the tool bar, selecting “Data management” -> “Backup/Restore scale data ”



Import(I) : Backup a scale’s data to the selected path.

Export(E) : Restore a scale’s data using the backup files in the selected path.

Folder(F) : The folder where the backup files will be saved to data files will be used as the data recovery files. It is defaulted to a Backup folder in the back office software root directory.

Delete(D) : Delete all the backup files in the selected path.

a) List of import/export data files:

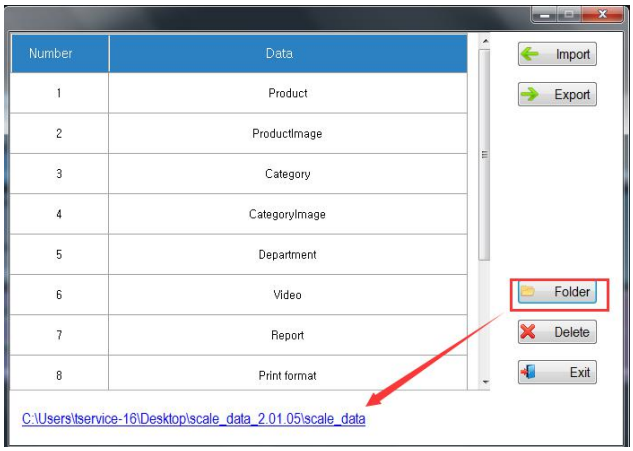
Name	Type	Information
format_label	Folder	All Label Formats (.fmt) files stored in the scale.
image_product	Folder	All the product images stored in the scale.
media	Folder	Customer display image and Video files stored in the scale.
bar_report.csv	CSV File	Label printing transaction record.
category_a.csv	CSV File	Category A information.
category_b.csv	CSV File	Category B information.
category_c.csv	CSV File	Category C information.
department.csv	CSV File	Department information.
keys_key.csv	CSV File	Keys information in the current Sales User Interface
keys_keypage.csv	CSV File	Page information in the current Sales User Interface
operator.csv	CSV File	User Account information.
print_format.csv	CSV File	Print formats that are added to the selection page.
product.csv	CSV File	Product information.
tag.csv	CSV File	Electronic Tag information (For future use).
tax.csv	CSV File	Tax information.

b)

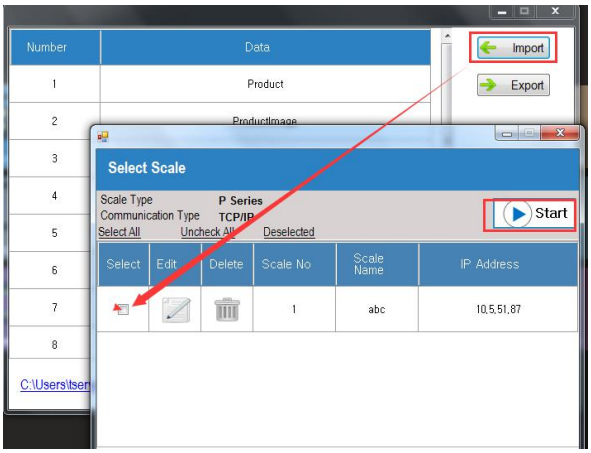
:

1) Select

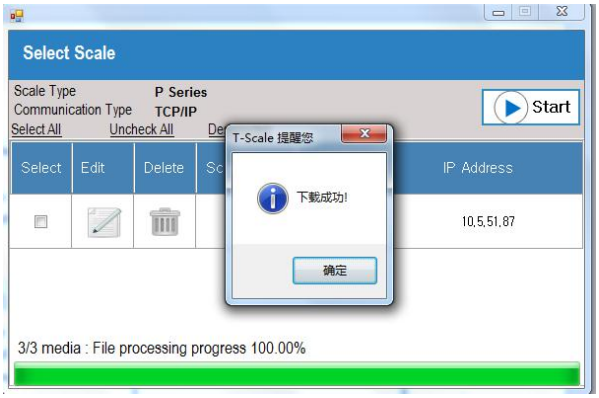
to choose the path where you want the data files to be saved to. The default path set to the path of the back office software.



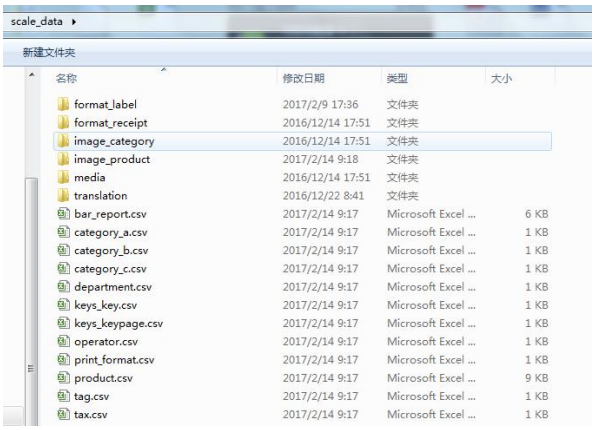
2) Select Import and select the target device (Only one) which will be backed Up.



3) Click start to begin the process. This process will take a couple minutes depends on the size of the data.

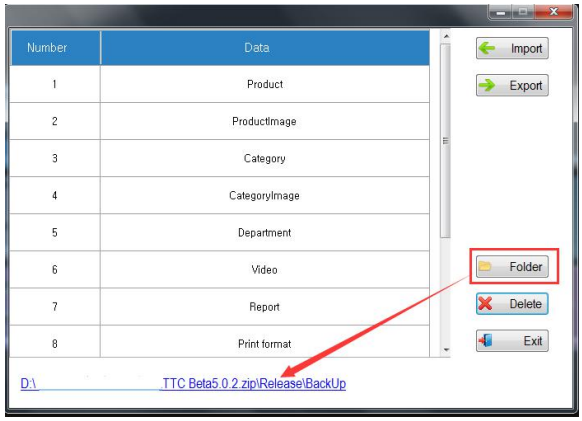


4) After the transfer is finished, all the backed up data files (Listed in part a) will be stored under the path selected in step 1.

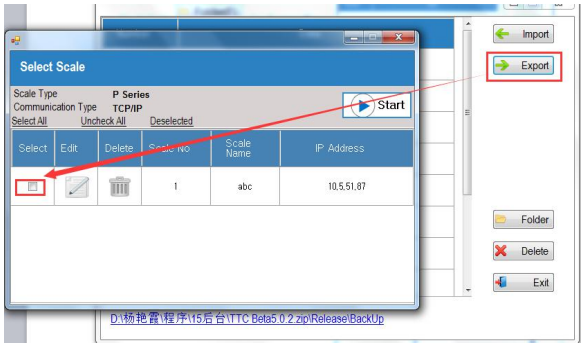


c) Export(E) :

1) Select Folder(F) to choose the path of the data that will be exported. The listed folders/files in part a will be compressed into a compressed data file.

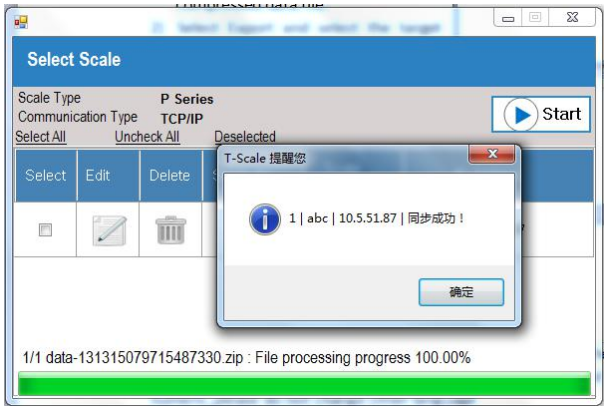


2) Select Export and select the target device.



3) Click

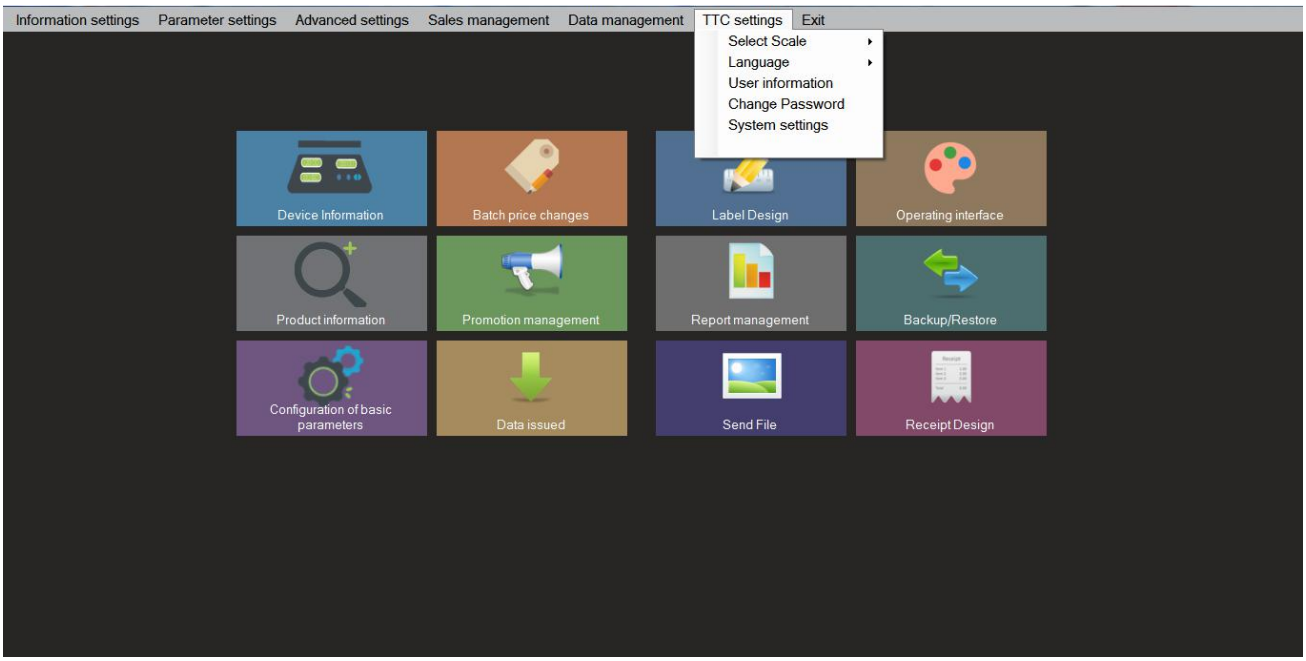
to begin the process. This process will take a couple minutes depends on the size of the data.



Note: All of the file name of the data must only contain English letters, numbers, spaces, and underscores.

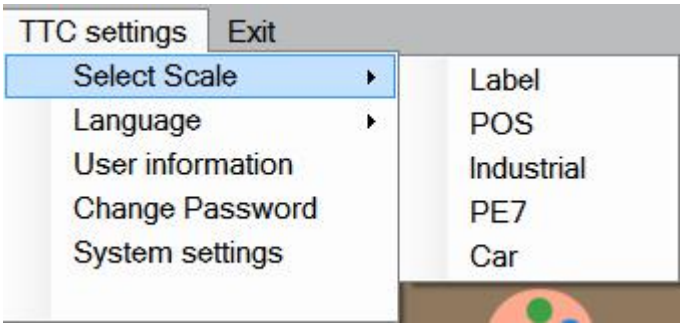
5.14. TTC Settings

It allows the user to manage the TTC back office software, for choosing scale/product type, Language, TTC User Information, Changing Password and System Settings



5.14.1 Select Scale

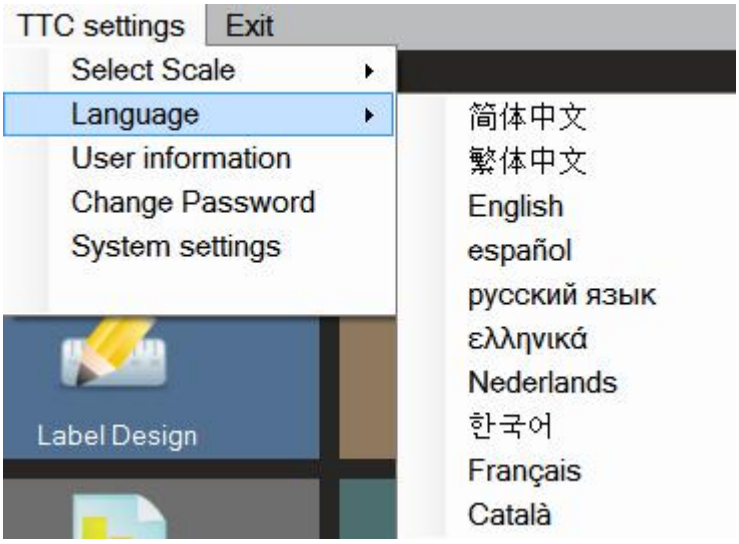
It allows the user to configure TTC back office software for managing the scale/device.



Label: SW15 Label Printing Application Scales
POS: SW12 POS Receipt printing Application Scales
Industrial: SW40 Industrial Application Scales
PE7: PE7 Application scales
Car: Truck Application scales

5.14.2 Language

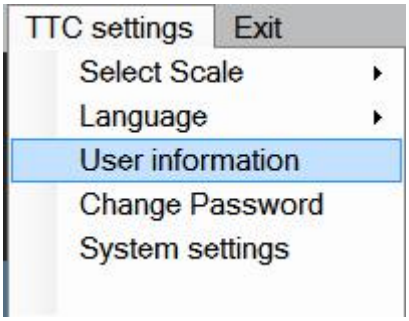
It allows the user to configure TTC back office software's language.

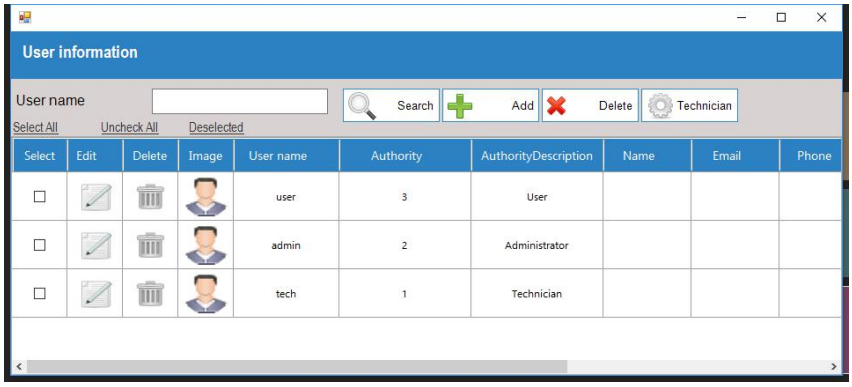


Currently supported
- Simplified Chinese
- Traditional Chinese
- English
- Spanish
- Russian
- .etc

5.14.3 User Information (TTC Back Office Software)

It allows configuring TTC back office software's user accounts





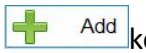
TTC User Types

a) Technician: The super user of TTC software. There can only be one Technician account. The technician has all access to TTC, and can also set the Technician password on T-Touch Scales.

b) Administrator: The administrator can manage the accounts on TTC. These accounts will not be able to change the technician password on the scale(s). Administrator may have limited access to TTC compare to Technician.

c) Operator: Normal users. These users may have limited access to TTC functionalities, and their account will be managed by the technician or administrator accounts.

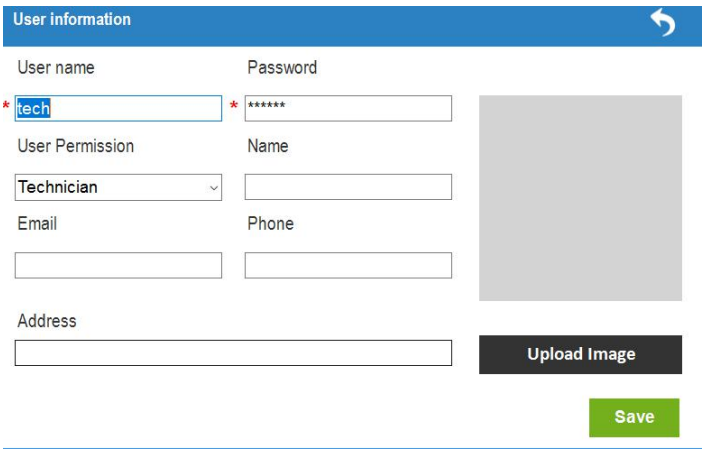
5.14.3.1. Add user information

Click 

key, it offers the user to input number, user name and password etc. information.

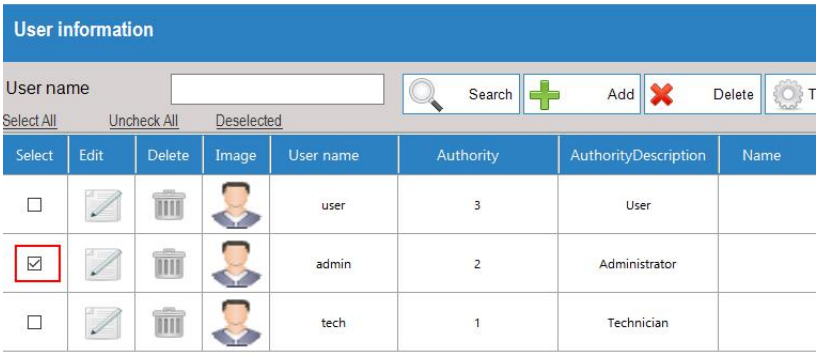
Then click

key to save information



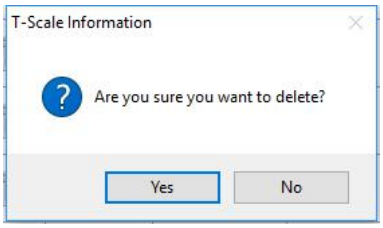
5.14.3.2. Delete user information

Select the corresponding scales



then click

key ,click “yes” to confirm

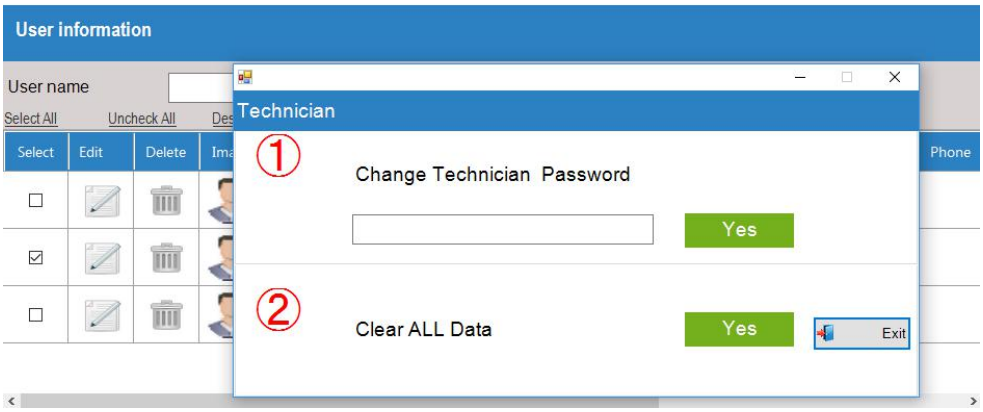


5.14.3.3. Technician Settings

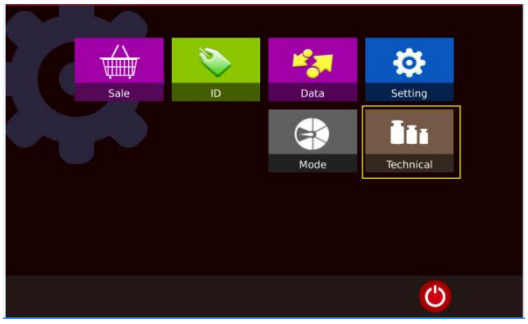
It’s allows to configuring Labeling Scale’s (SW15 Application) “Technician” password and deleting all data’s of the scale.

Click the

key, it will pop up a window.



1) **Change Technician Password:** it’s allows to change the scale “Technical” settings accessing password
Labeling Scale “Technical” menu settings
Scale “Technical” Default Password is 999999999

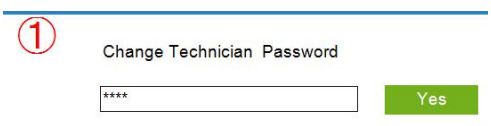


Download to the scale

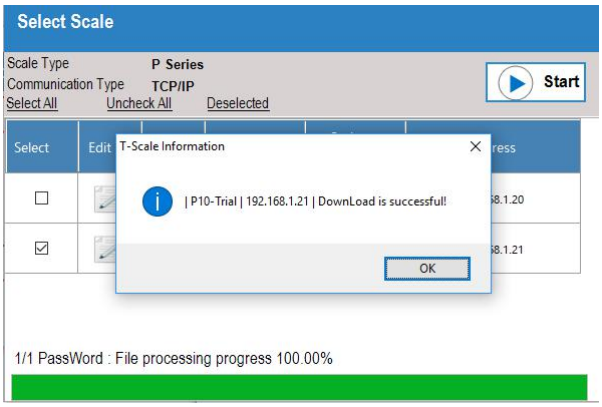
a) Make sure the targeted scales are in the same network as your windows machine.

b) Enter the new password and click

key, a list of available scale devices will pop up.



c) Select the targeted scales, and press Start. The password will now be downloaded.



2) **Clear All data:** it's allows to Clear all data from the scale

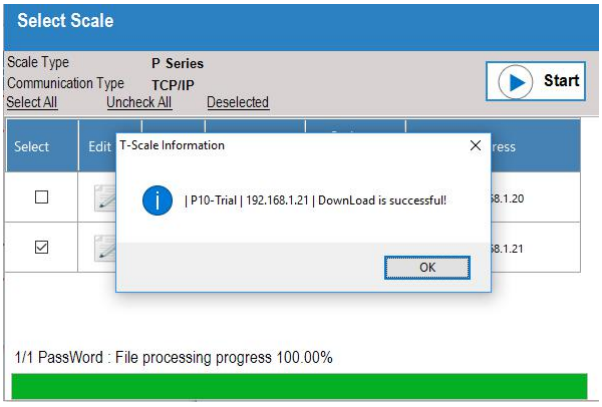
Note: Please do the operation very carefully. Once clear all data, it will not recover back.

a) Make sure the targeted scales are in the same network as your windows machine.

b) Enter the new password and click Yes key, a list of available scale devices will pop up.

c) Select the targeted scales, and press Start.

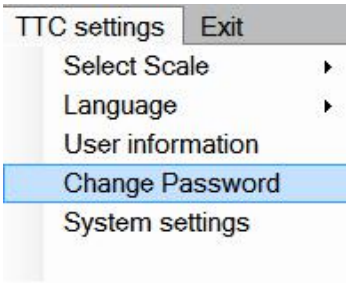
It will clear data's from the scale.



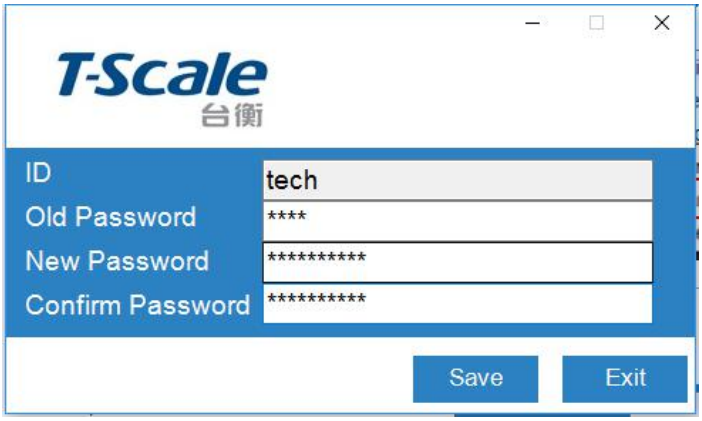
5.14.3.4. Change Password

It allows the user to configure TTC back office software "Technician" password.

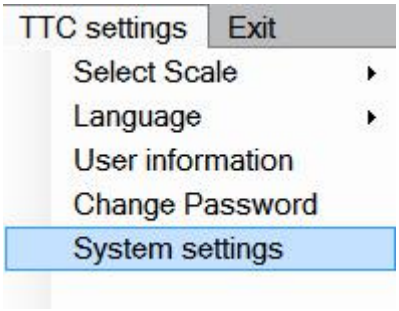
Click the change password option for changing current user ID "tech" password.



Password setting window will be pop up.
Default user ID: tech
Default password (Old password): tech
Enter new password and follow to input again new password into the "confirm password" field, then click Save key to confirm

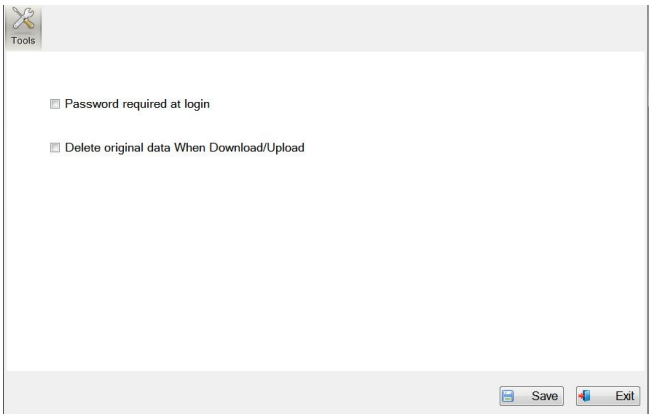


5.14.3.5. System Settings



It allows the user to configure TTC back office software operation settings.

Click the “system settings” option for settings back office software operations, setting window will be pop up



1) **Password required at login:** it’s allows to save TTC user for login, by clicking ☑ check box, it’s allows to save current username and password for next TTC back office software login

2) **Delete original data during Download/Upload**: it’s allows to delete original scale data while downloading new data.

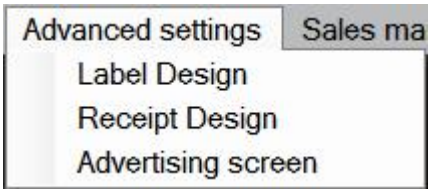
5.15. Advanced Settings

It allows the user to manage the advance functions such as advertising screen (customer display) , Price Bill Boards (M-Box), Electronic Price Tag (ESL) etc.

Label Design: for configuring label formats

Receipt Design: For configuring receipt formats

Advertising Screen: for configuring scale’s customer display



5.15.1. Label Design

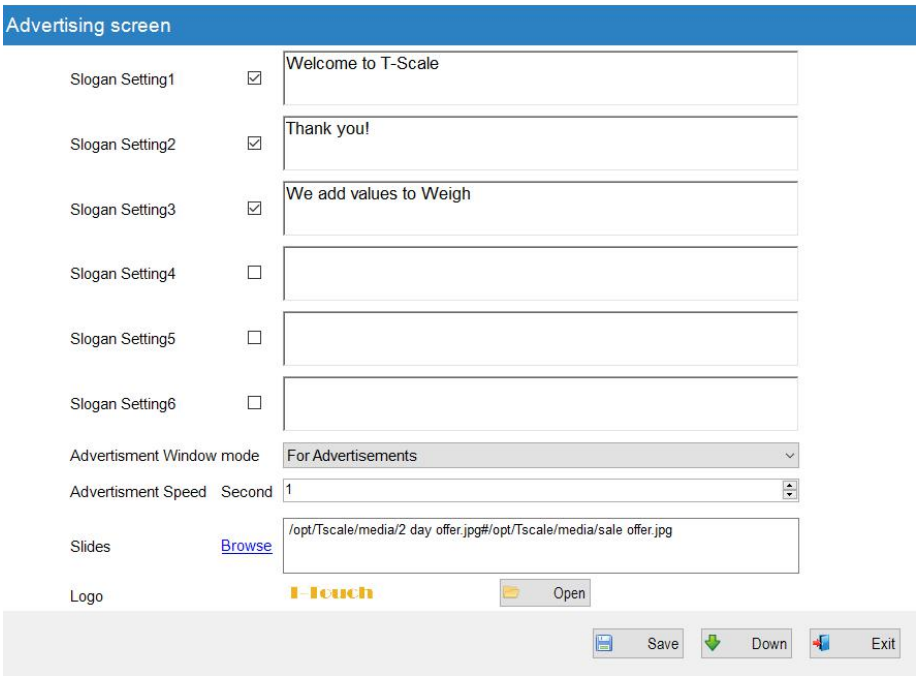
Refer section 5.5. Label design

5.15.2. Receipt Design

Refer section 5.6.Receipt design

5.15.3. Advertising Screen (Customer Display)

Advertising screen allows the user to configure customer display for promotion images, videos, and scrolling messages.



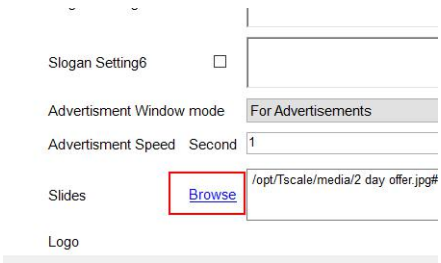
1 **Slogan Setting 1 ~ 6:** For adding scoring messages

2 **Advertising Window Mode:** For choosing mode of the customer display operation for advertisements or product image.
For Advertisement: Display will be play advertising images/videos from the slides.
For Product Image: Display will be show product information according to the selected product and product database.

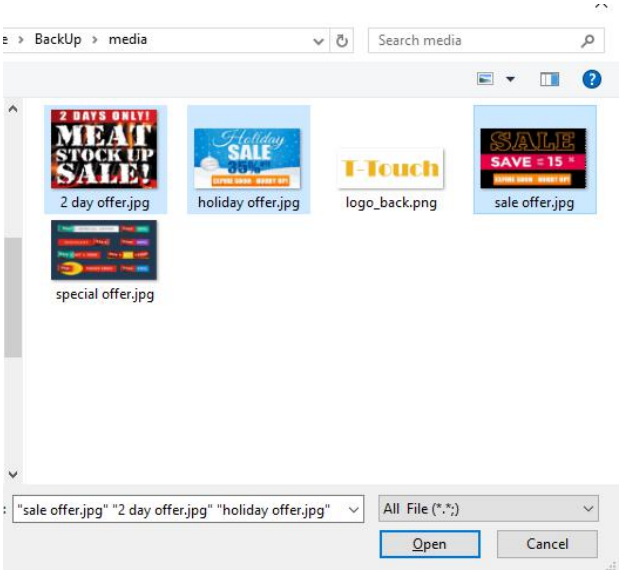
3 **Advertising Speed:** For playing images speed

4 **Slides:** For choosing the images and videos for playing

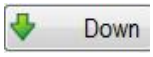
5 Click the “Blouse” option for choosing the files from the computer



Note: The image need to be stored in a folder named “media”, that could be easier to manage.

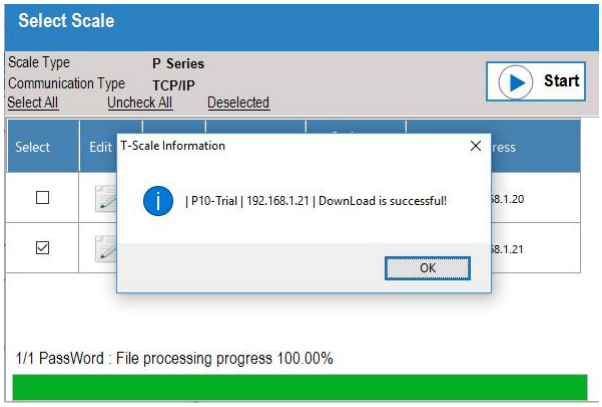


Then click open key to add
images: must be in “.jpeg, .jpg, .png” file extension
Videos: must be in “.mp4, file extension
Note: bigger files may affect the scale memory.
Logo: for choosing customer display logo

Click the 

button to transfer, then click

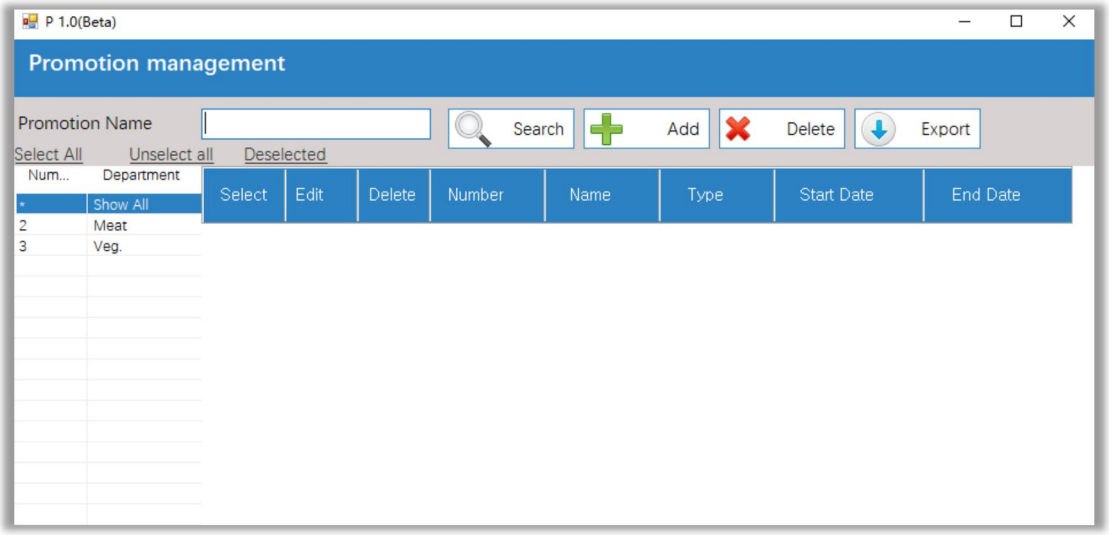
key to start data transfer



5.16. Promotion Management

This function allows the user to send promotions to the scale , it can be opened by clicking the

icon in the main menu .

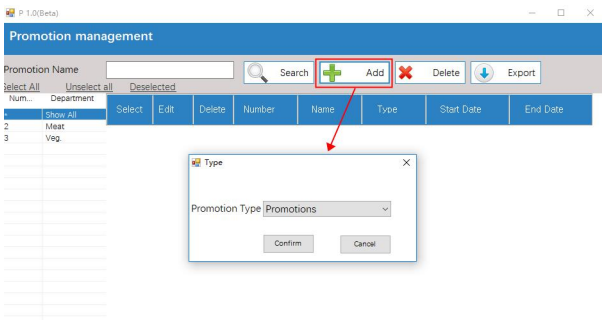


Keys	Description
Blank field	To entered the promotion name
Search	Search the promotion
Add	Add new promotion
Delete	Delete all promotions
Export	Export the promotion. From PC to scales
Select All	Select all scale
Unselect all	Unselect all scale
Deselected	Deselect the scale
Edit	Edit scale information
Delete	Delete the single scale information

5.16.1 Add new promotion plan

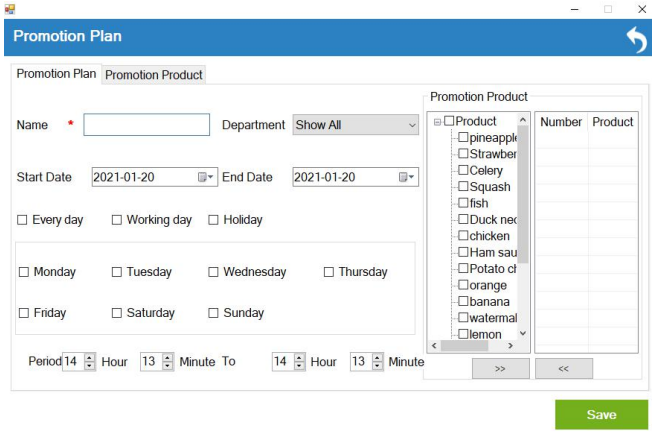
1 Click 【Add】key, it will be pop up a promotion type window;

2 Select the type from the drop down list and click 【confirm】key to enter



3 Entered promotion plan name in the name field;

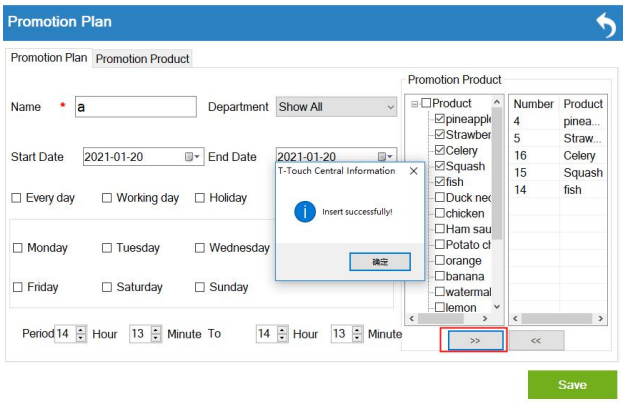
4 For a new promotion, it's required to choose the start date and end date ,time period, promotion product ;



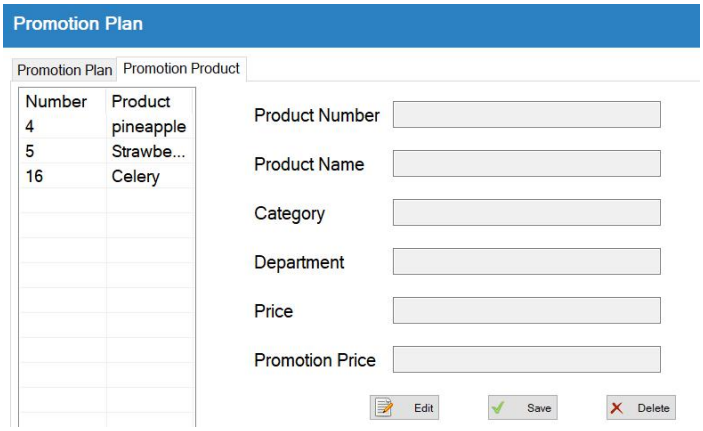
5 Select the promotion products from the list

6 Click >> key to add the selected products to the right column.

7 Once finished,insert successfully prompt displayed.



8 Click 【Promotion Product】key to edit the promotion information of products

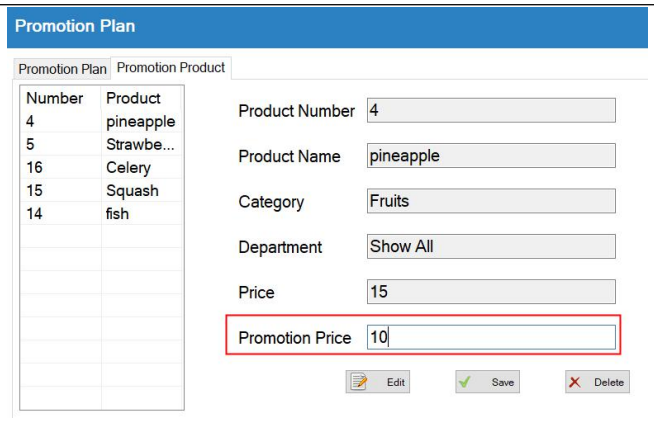


9 Select the product to be edit

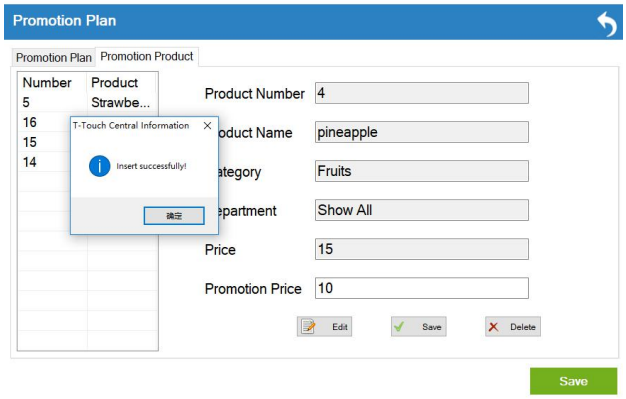
Click 【Edit】key to input promotion price

Click 【Save】key to save the new promotion

Click 【Delete】key to delete the selected promotion product

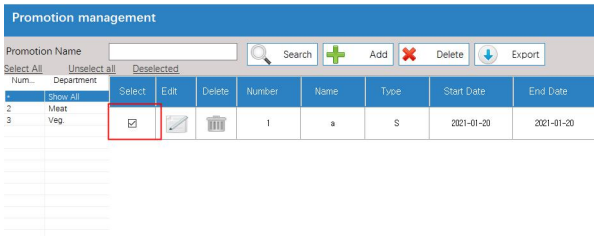


10 Click 【SAVE】key to save the promotion plan

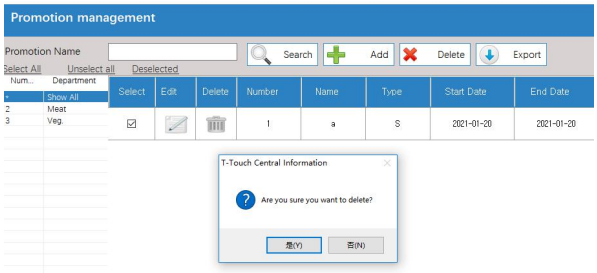


5.16.2 Delete promotion plan

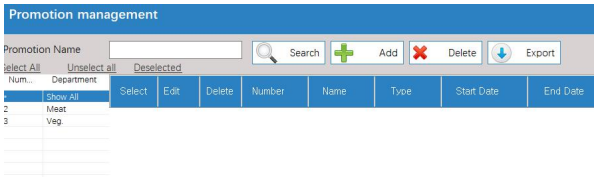
1 Select the promotion to be delete



2 Click Delete key or to delete;

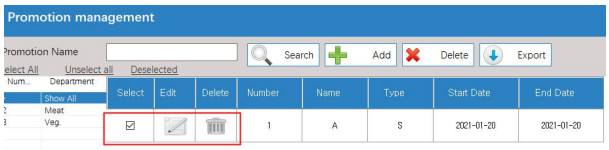


3 Click【YES】to confirm.



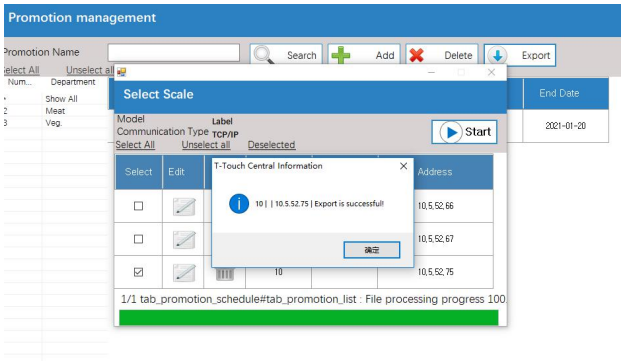
5.16.3 Download promotion plan

1 Select the promotion to be download



2 Click 【EXPORT】key to send promotions to scales.

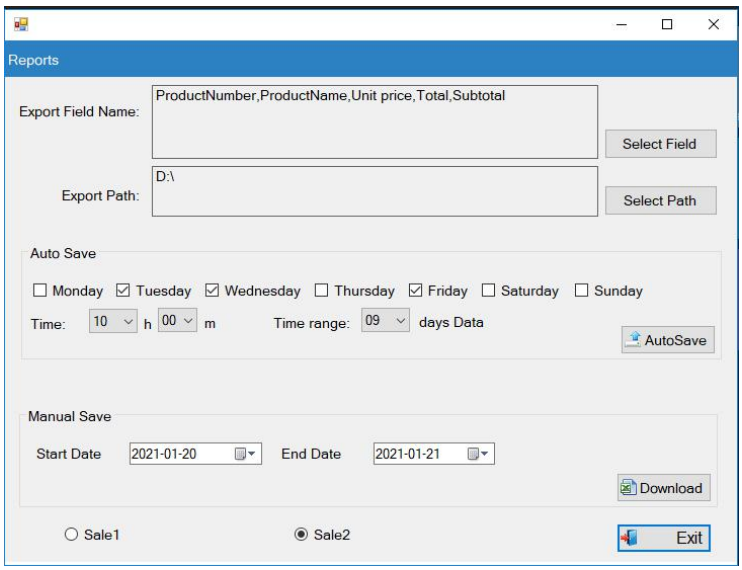
3 The display shows download successful



5.17. Report Management

This function allows the user to manage reports from the scale , it can be opened by clicking the

icon in the main menu .



No	keys	Description
1	Select Field	Select the field name to be export
2	Select Path	Select the path for report to be stored
3	Auto Save	Auto save the reports in date and time range to be set
4	Manual Save	Manually save the reports in date range to be set
5	Download	Export the reports from scale to PC
6	Sale1 Sale2	Sale1 is for label report ;sale2 is for receipt report
7	Exit	Exit report management

Reports will be export in xls.file format.

A	B	C	D	E	F	G	H
ProductNumber	ProductName	Unit price	Total	Subtotal			
4	pineapple	15	2.55	2.55			
8	pear	14	2.38	2.38			
8	pear	14	2.38	2.38			
5	Strawberry	18	3.06	3.06			
5	Strawberry	18	3.06	3.06			
5	Strawberry	18	3.06	3.06			
4	pineapple	15	2.55	2.55			
99999	abc	8	1.36	1.36			
4	pineapple	15	2.55	2.55			
5	Strawberry	18	3.06	3.06			
7	lemon	6	1.02	1.02			
17	Ham sausage	35	5.95	5.95			
99999	abc	8	1.36	1.36			