

Rehoo

CWC CHECK WEIGHER



Operating Instruction

Note: Before using the machine, please carefully read this instruction, which should be well saved for the future reference; besides, before operating it, please carefully read the Attention sections in this instruction.

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Brief introduction:

CWC 450/500 Series Check Weigher is our company's newly-developed product, which can be used to dynamically test the weight of the product with measuring range between 1kg to 10kg and 1kg to 40kg. With the Germany HBM sensor, advanced information processing software of dynamic weight and a variety of software, electronic and machine options, this series of check weigher can meet the requirement of on-line weighing in such industries as pharmacy, daily chemical, food and battery.

Attention:

Before operating this machine, please carefully read this instruction so as to avoid possible damage. This instruction should be well saved.

To operate this machine safely and conveniently, the rules specified as below should be followed:

! Don not use this machine in dangerous areas.

! Confirm the marked voltage value to be the same as local voltage value.

— The only way to cut off electricity of this machine is to pull the plug.

— Only can the accessories and options specially designed for this type by Bofeng Electronics Company be used.

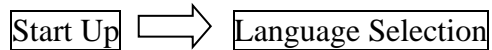
— Keep the transformer and display control unit away from liquid.

— Do not let liquid soak into the display when cleaning it. Only use wet cotton fabric to clean the monitor.

I . Basic Operating Steps

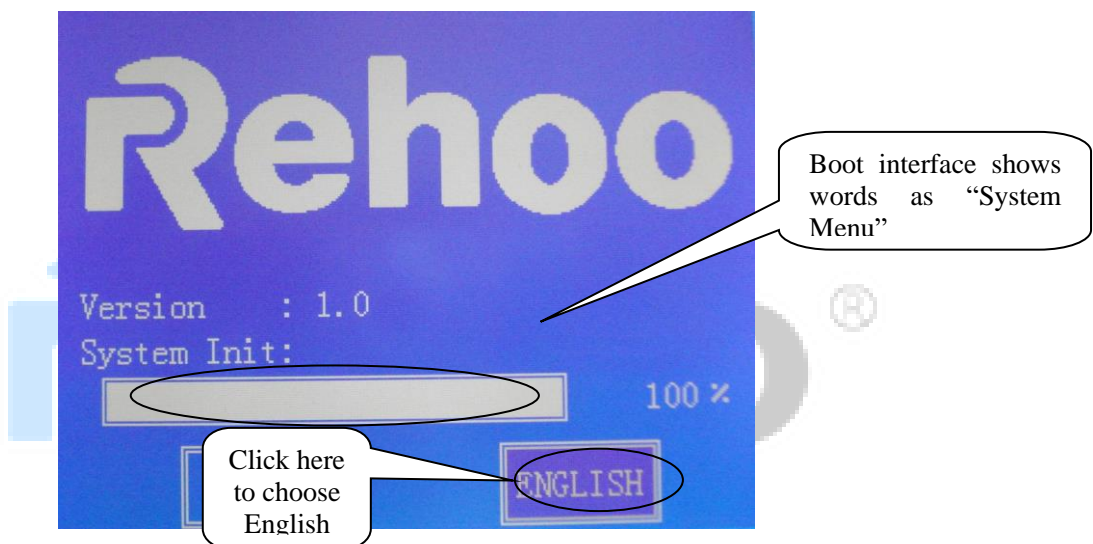
1. Language selection

1.1 Operating steps:



1.2 Operation guide:

Please click the selection box with language name on the LCD display interface.



1.3 Function explanation:

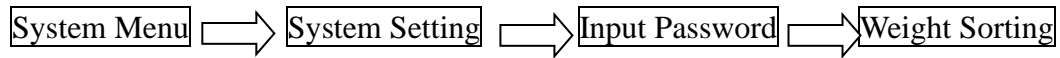
The system provides two kinds of language: Chinese and English. Choose one of them as operation prompting language, and the report is to be printed in the operation language selected.

1.4 Attention:

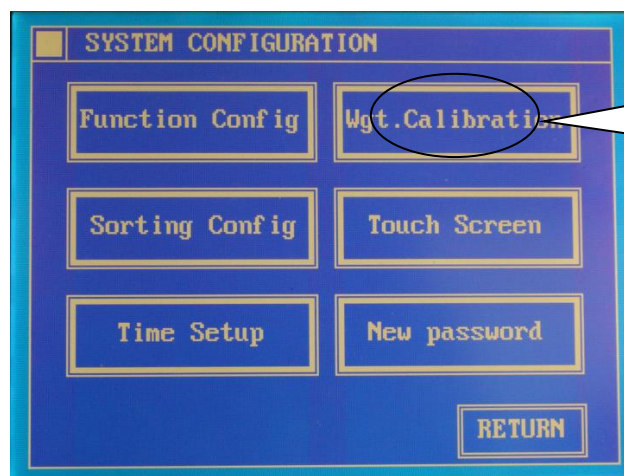
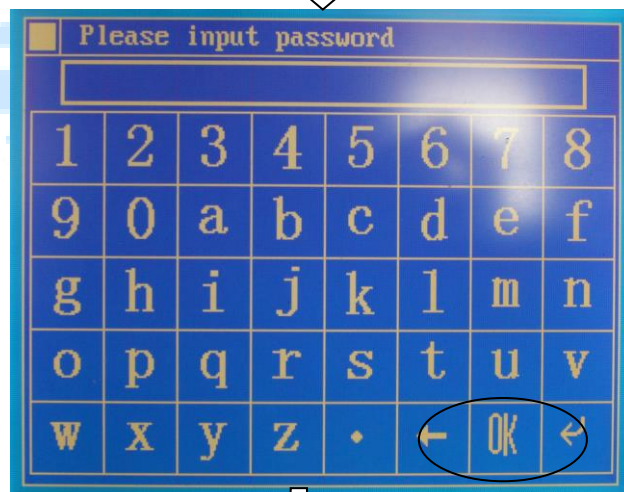
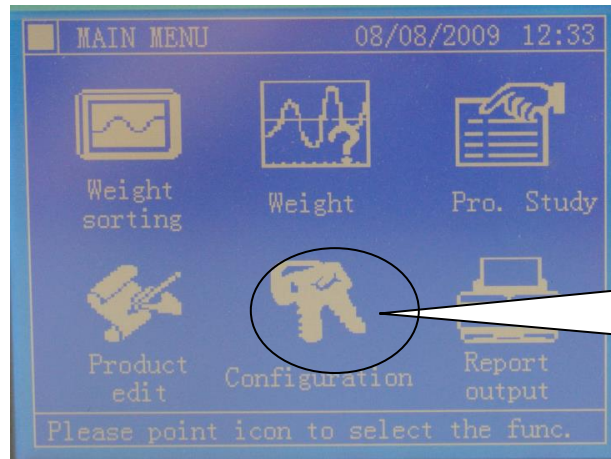
When the language selection interface first appears, the system default language is the one selected last time. If changing language is necessary, it should be completed within five seconds.

2. Weight calibration

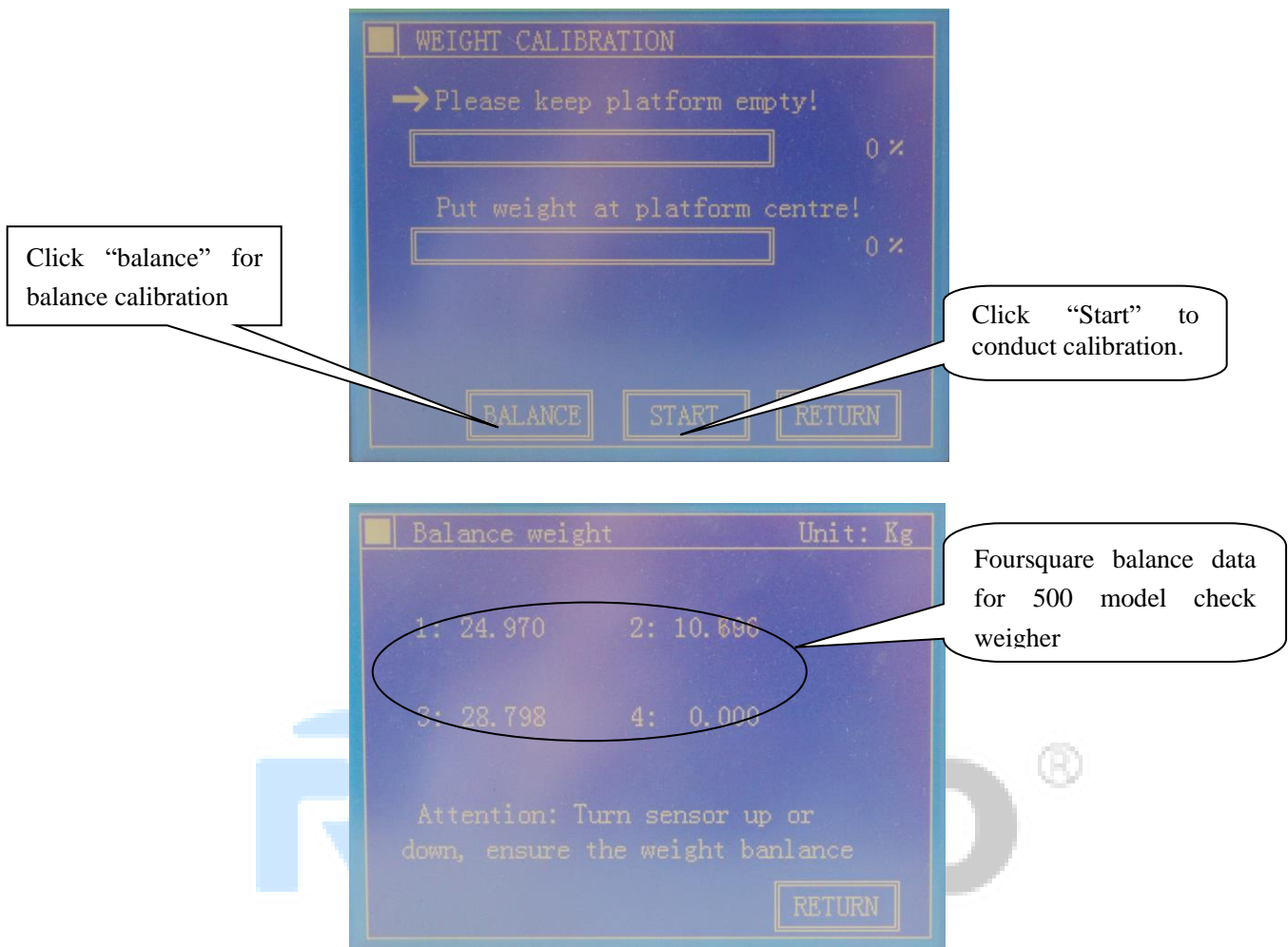
2.1 Operating steps:



2.2 Interface Instruction:



2.3 Function explanation:



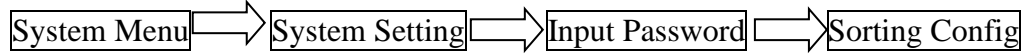
Weight calibration can ensure that the machine runs normally, to promote accuracy and reduce measurement error.

2.4 Attention:

When performing weight calibration, please follow interface prompt step by step, and make sure that the weighing platform is empty while conducting zero-scale calibration. When conducting full-scale calibration, put the weight at the center of weighing platform, and then after the weighing platform gets stable, click "Continue" to complete full-scale calibration. The weight mentioned in the diagrammatic view is the standard weight provided by our company. The weight 5kg is for CWC-450NS, and 10kg is for CWC-500NS. It is normal that it still have a little deviation after weight calibration.

3 Parameter setting

3.1 Operating steps:



3.2 Interface instruction:

Click this icon to enter "Sorting Config" interface.

Click upward or downward arrow to increase or decrease the selected parameter.

According to customer's products, adjust relevant parameter(s).

Click "OK" after calibration

Parameter	Value	Unit
Reject duration	10	mS
Reject delay	200	mS
Motor speed	30	Hz
Product length	15	Cm
Weight time	2	

3.3 Function explanation:

Sorting Config function allows customers to set the relevant parameter(s) according to their own products in order to promote the measurement accuracy. Click “Default” to restore the “Factory Setting”.

3.4 Attention:

All of the parameter setting is the attribute assignment of present loaded products, and the new-set products adopt default parameters. Parameters are defined as below:

Separating time: The time from the obtaining of product weight to the acting of removing mechanism in the process of separation.

Delay time: The time from the acting of removing mechanism to the reposition of removing mechanism.

Motor speed:

Set up the test speed for the present product. m stands for motor speed, and V stands for belt speed.

$$V \approx 21 + 1.2 * (m - 20)m / s$$

If you need more slow speed machine, you can choose the customized machine.

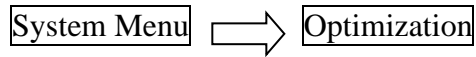
Product length: The product length measured by the customer.

Weighing time: According to the difference of product attribute, increase the weighing time to gain the more ideal measurement accuracy if the measurement accuracy is too low.

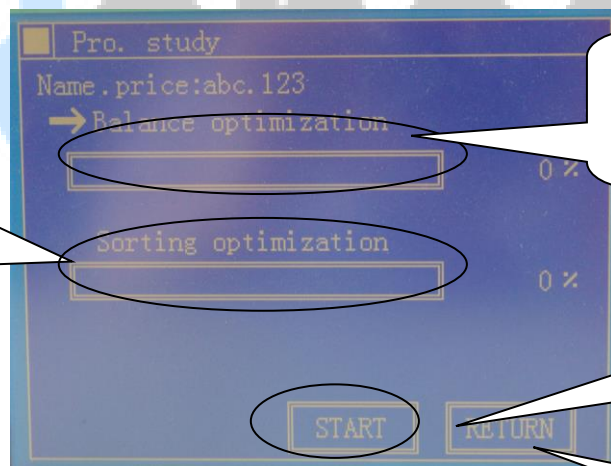
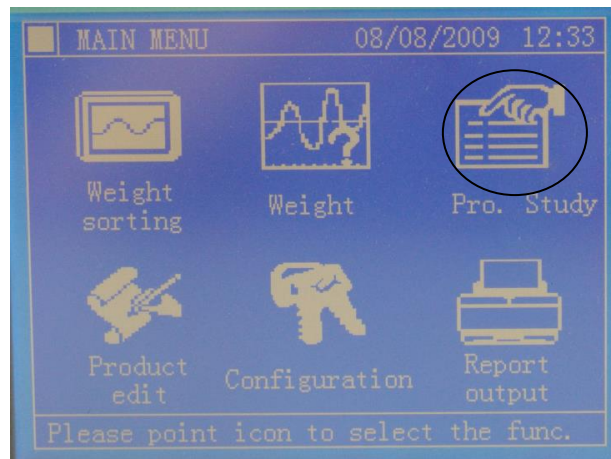
If there is any discrepancy in parameters setting, please contact with the manufacturer.

4 Objective optimization

4.1 Operating steps:



4.2 Interface instruction:



4.3 Function explanation:

Product optimization is the process of statically and dynamically learning the present-loaded product to ensure the obtainment of accurate product weight in separation.

4.4 Attention:

In the process of static optimization, the product should be put at the center of weighing platform. After the product on the weighing platform becomes stable, click “Start”. In the process of dynamic optimization, simulate the separation process to put the product on the weighing platform for five times so as to finish dynamic learning. For the new-set product, the optimization process should be performed in order to ensure measurement accuracy; the product, for which optimization has already been done, can be directly loaded in the next measurement.

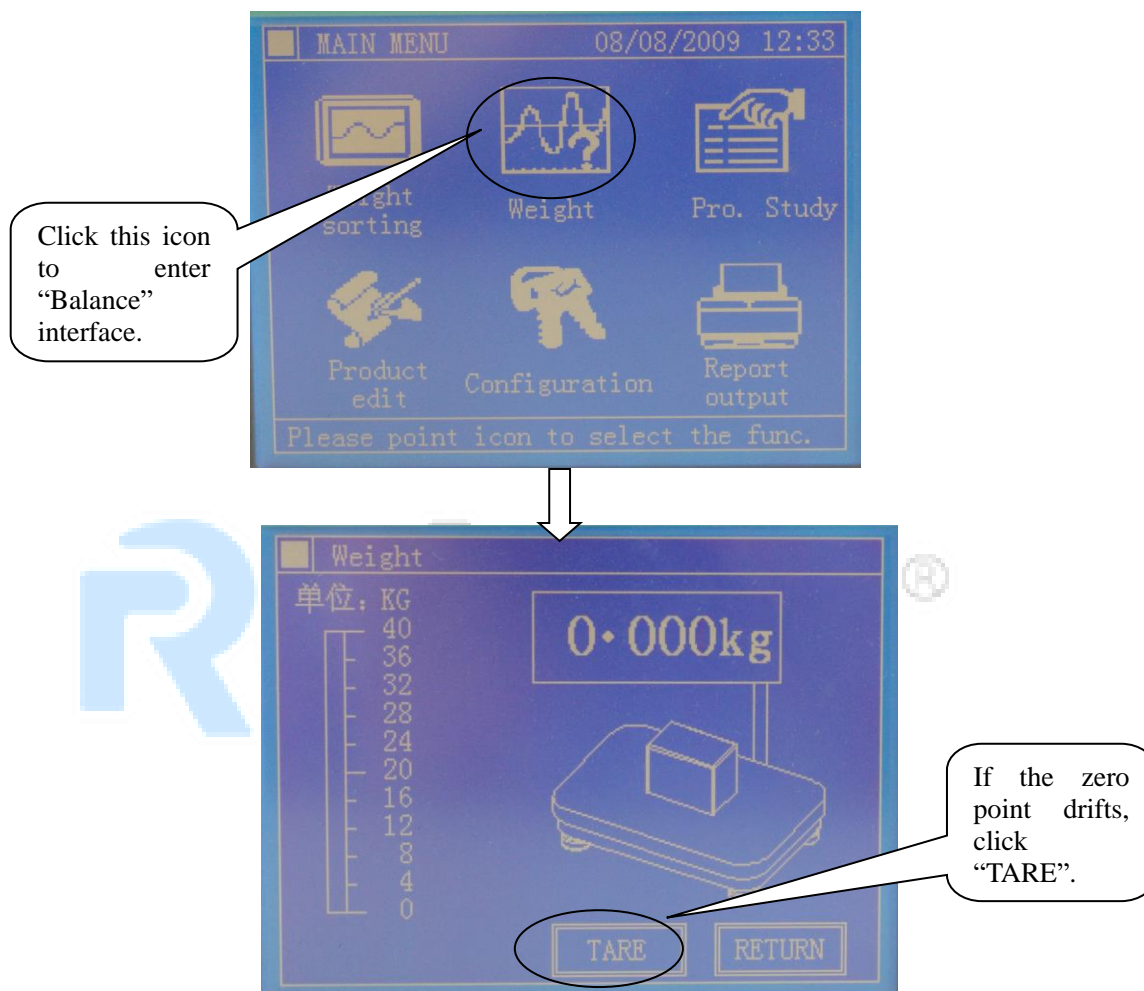
The logo for Rehoo, featuring a stylized blue 'R' followed by the word 'Rehoo' in a grey sans-serif font, with a registered trademark symbol (®) to the right.

5 Balance:

5.1 Operating steps

System Menu → Balance

5.2 Interface instruction:



5.3 Function explanation:

Through this function, the customer can get the static weight of the product. The target weight of new-set product can be obtained via this function.

5.4 Attention:

The displayed number should be zero after the weighing platform is emptied. If the zero point drifts, click "Zero Clearing" to get new zero point; in case that the zero point cannot be obtained, perform the weight calibration again in the system setting interface.

6. Product editing

6.1 Operating steps:

System Menu → Product Editing

6.2 Interface instruction:

The image shows two screenshots of the REHOO CWC Check Weigher interface. The top screenshot is the 'MAIN MENU' with a date and time display of '08/08/2009 12:33'. It features six icons: 'Weight sorting', 'Weight', 'Pro. Study', 'Product edit', 'Configuration', and 'Report output'. A callout bubble points to the 'Product edit' icon with the text: 'Click this icon to enter "Product Edit."'. The bottom screenshot is the 'PRODUCT EDIT' screen, which displays a table of product data. A callout bubble points to the 'ADD' button at the bottom with the text: 'Click the icon "Add Product."'. A large arrow points from the 'Product edit' icon in the first screenshot to the 'PRODUCT EDIT' screen in the second.

Click this icon to enter "Product Edit."

NO.	Product name	Fixed	High	Low
1	Productm	500.0	0.0	0.0
2	dbasu	766.0	1.0	1.0
3	product	678.0	1.0	1.0

Total: 3 Pages: 1/1

Click the icon "Add Product".



The screenshot shows a 'MODIFY' window with a blue background. It contains four input fields: 'Name' with the value 'Productm', 'Fixed' with '500.0', 'High' with '0.0', and 'Low' with '0.0'. At the bottom are two buttons: 'OK' and 'RETURN'. Each of the four input fields and the 'OK' button are circled in black. A speech bubble points to the 'OK' button, and another speech bubble points to the four input fields.

Click these four options one by one, to modify the name or parameter separately.

After finishing modification, click "OK" to return.

6.3 Function explanation:

The function of product editing is to meet the customer's requirement of testing different products. After being set, the same product can be directly loaded in the next time, that is to say, once and for all.

6.4 Attention:

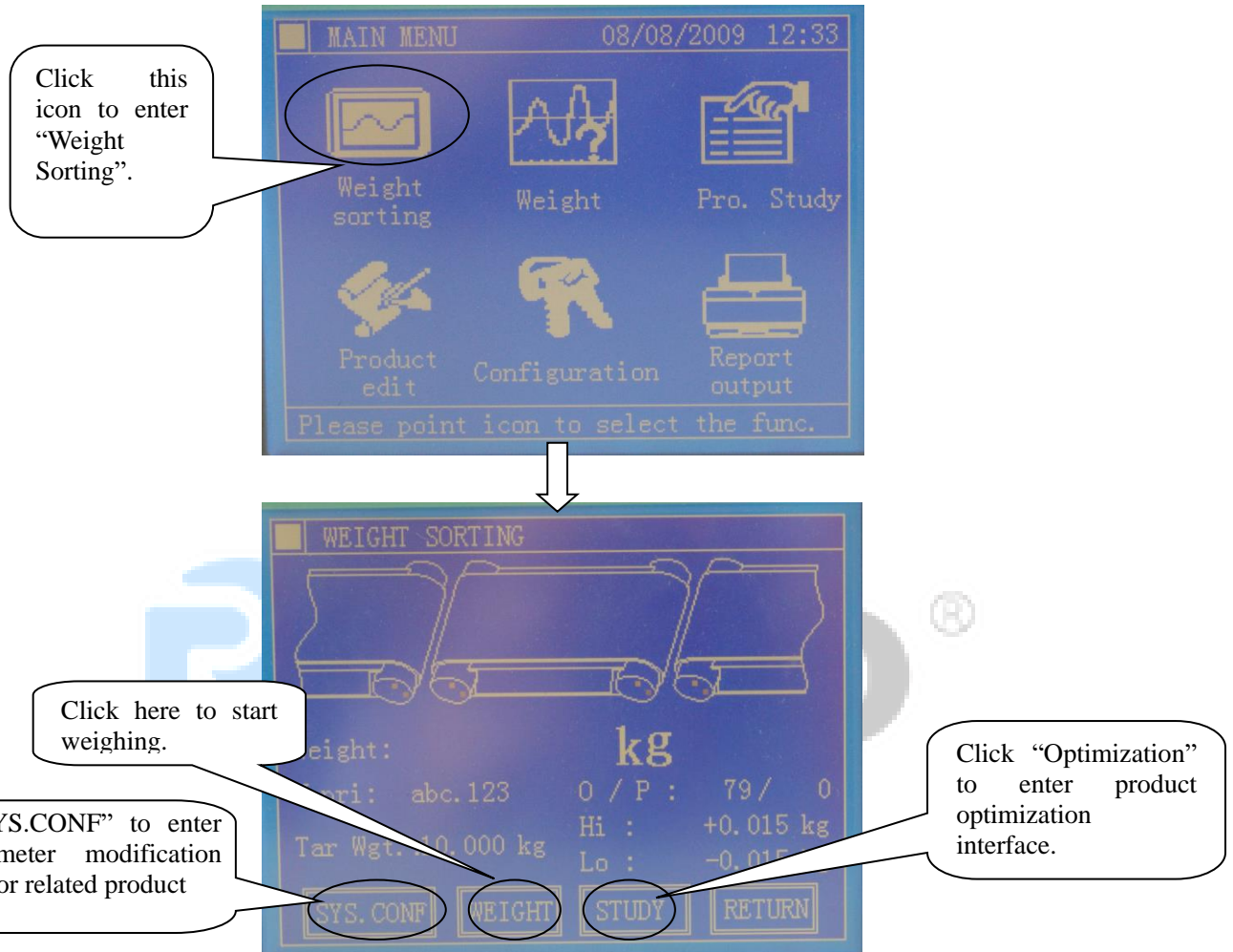
The system provides the default parameters for the new-set products. The customer can modify its parameters according to the requirements of different products, including target weight and appropriate upper limit and lower limit of separation. After confirmation, load the new-set product, and conduct separation parameter setting in the system setting interface and objective optimization in the main menu. After completing the above steps, conduct weight separation.

7. Weight Sorting

7.1 Operating steps:

System Menu → Weight Sorting

7.2 Interface instruction:



7.3 Function explanation:

Weight sorting is to realize the separation function of the weight testing machine. The interface can display the target weight of the present product, the upper limit and lower limit of separation, the total picked out number and passing number of the same sort product, and the testing weight of passing products at present.

7.4 Additional function

In order to connect the check weigher with other machine, the information of the products that pass through the weigher will output through the printer connector. Serial port setting information: baud rate 9600, digit 8, stop bit 1, check bit none.

The format of the output information is as bellows:

W X X X X X X CRLF

Means:

W12386P CRLF	Show weight is 12386g	p - passing
W12486H CRLF	Show weight is 12486g	h- overweight
W09386L CRLF	Show weight is 9386g	l - underweight

7.5 Attention

In the process of product edit, when the products pass the weighing platform, ensure that the height of products can cover the electronic eye and the spaces between products are bigger than the length of weighing platform. If the communication of transducer fails, cut off the power supply; after the power-off protection for the transducer, restart the machine.



II . Other Functions

1. Report output

1.1 Operating steps:

System Menu \Rightarrow Report Output

1.2. Interface instruction:

The image shows two screenshots of the REHOO CWC Check Weigher interface. The top screenshot is the 'MAIN MENU' screen, displaying a grid of icons for 'Weight sorting', 'Weight', 'Pro. Study', 'Product edit', 'Configuration', and 'Report output'. A callout points to the 'Report output' icon, stating: 'Click this icon to enter "Report Output" interface.' The bottom screenshot is the 'REPORT OUTPUT' screen, showing a table with columns 'NO.', 'Time', 'Product name', and 'Weight'. A callout points to the first row of data, stating: 'The product record on the present page'. At the bottom of the screen, there are three buttons: 'DEL. ALL', 'PRINT', and 'RETURN'. Callouts point to 'DEL. ALL' (stating 'Click "DEL. ALL" to clean all records.') and 'PRINT' (stating 'Click "Print" to print the record on the present page.').

NO.	Time	Product name	Weight
1	08/08/09 15:17	ic	0.00

Records: 1 Pages: 1/ 1

1.3 Function explanation:

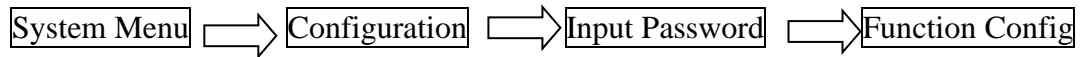
The report records the name, weight and testing time of the unqualified products in separation. Connect the printer to the machine before printing the present report.

1.4 Attention:

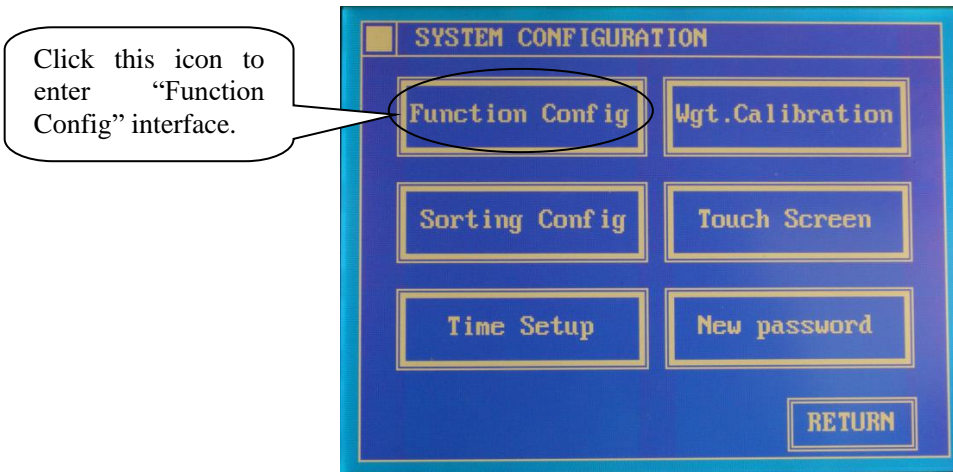
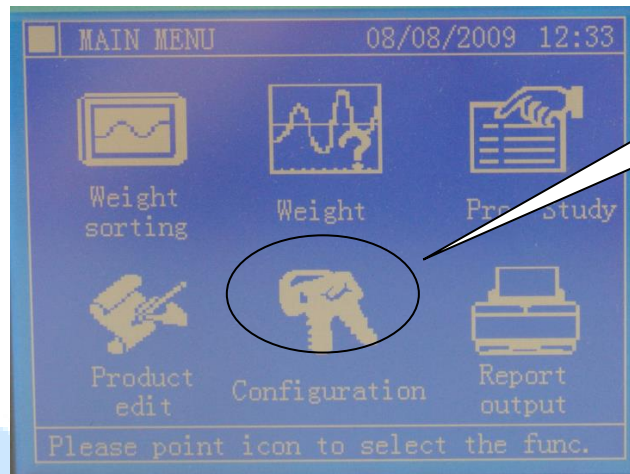
Click "Empty" button to delete all the testing records. Confirm the printer is connected before printing. If the customer needs spray code function, contact with the manufacturer.

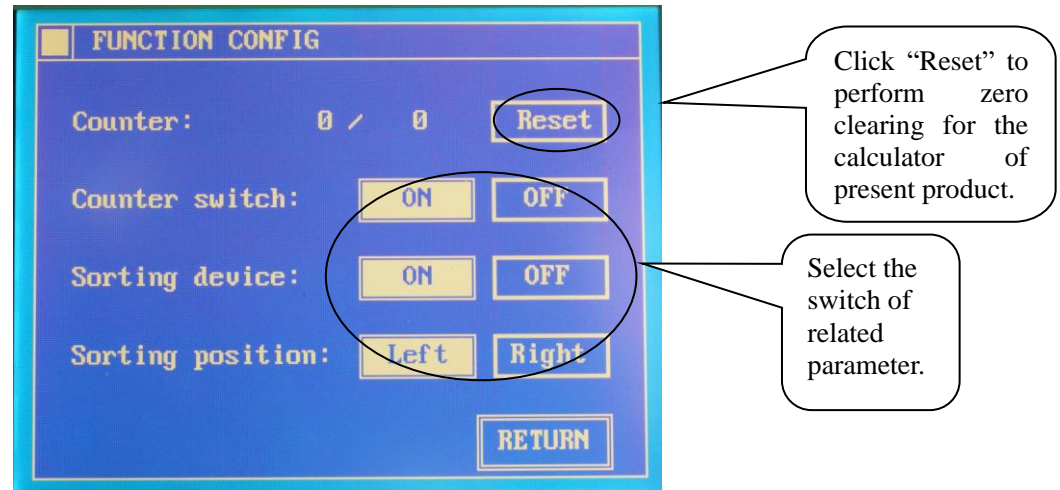
2. Function Config

2.1 Operating steps:



2.2. Interface instruction:





2.3 Function explanation:

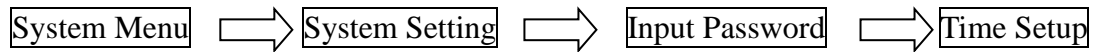
The customers can perform relevant setting following interface prompt. Reset function can clean the pick out number and passing number of the present product; separating equipment switch is used to control the act of removing mechanism; the separating direction is the direction of overload removing.

2.4 Attention:

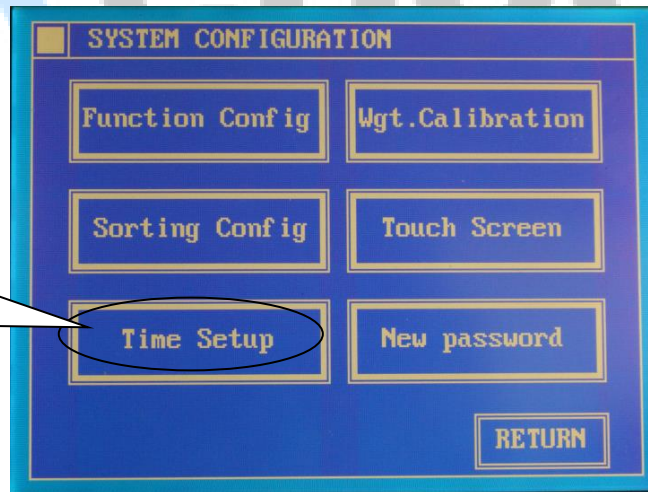
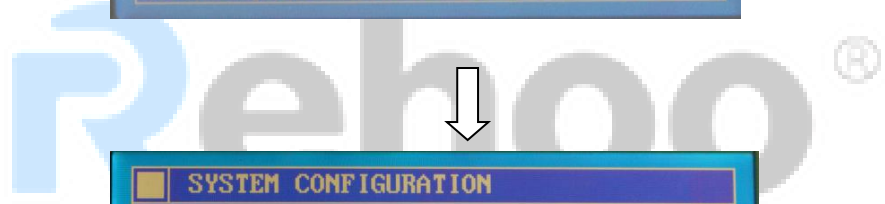
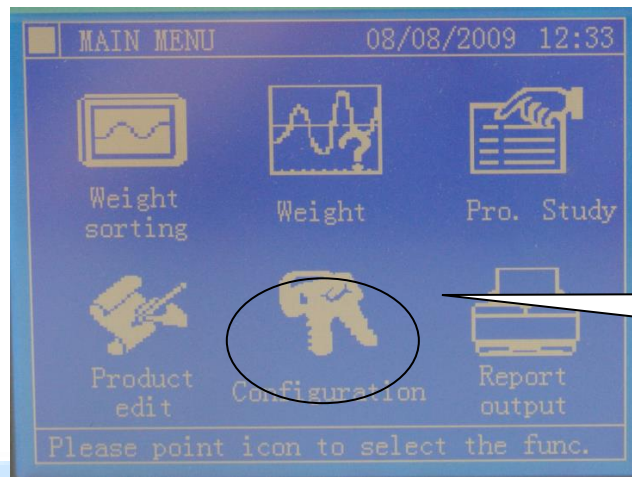
To set, the users only need to click relevant switch.

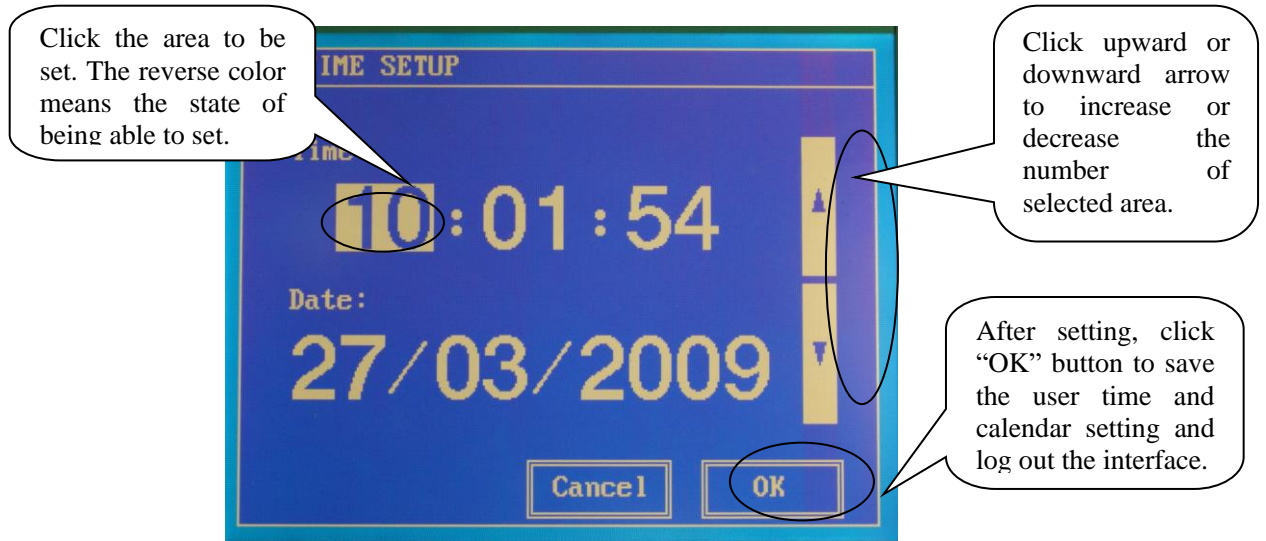
3. Time setup

3.1 Operating steps:



3.2 Interface instruction:





3.3 Function explanation:

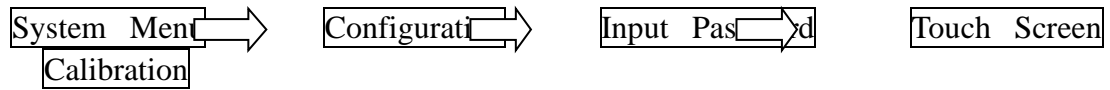
This interface provides users with the functions of setting system time and calendar, so the users can set system calendar and system time separately.

3.4 Attention:

The users can choose different areas as year, month, date, hour, minute and second to set them respectively. The area with reverse color is the present setting column. If finding time display incorrect for times, please check and replace the lithium battery on the main control panel.

4. Touch screen Calibration

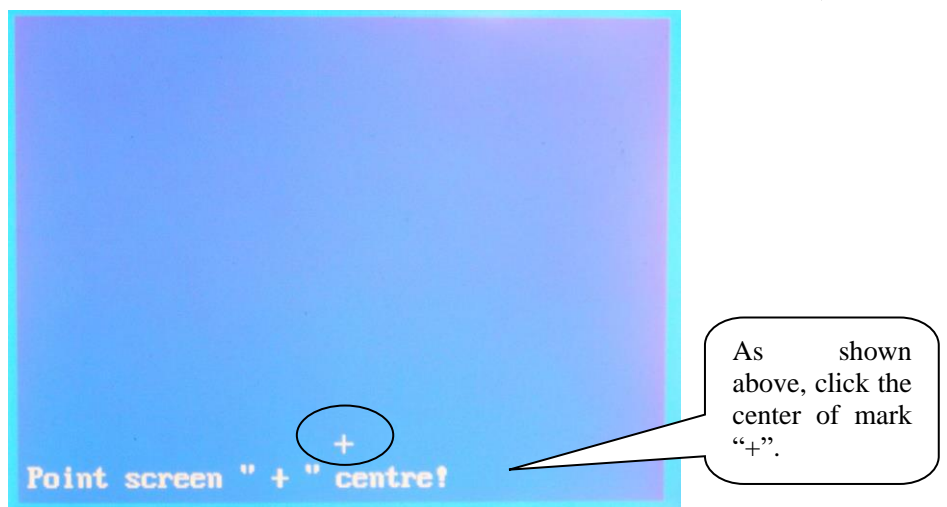
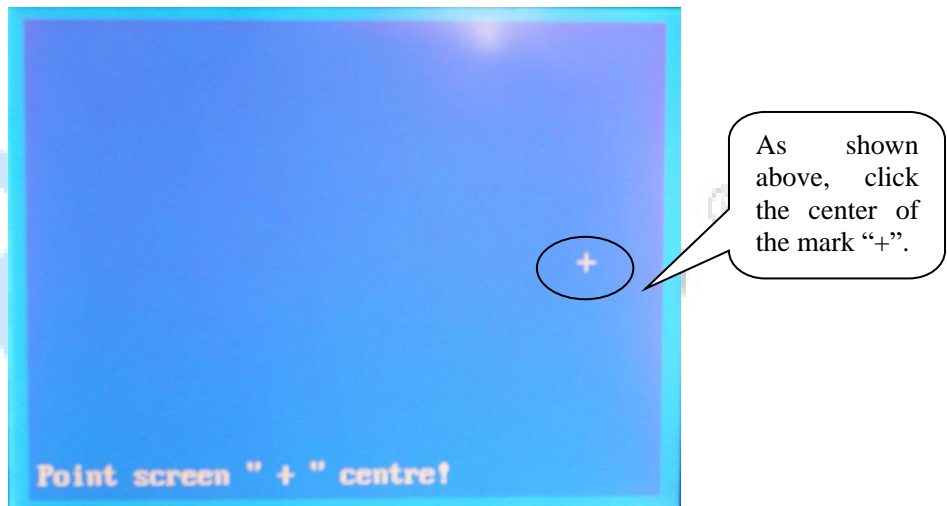
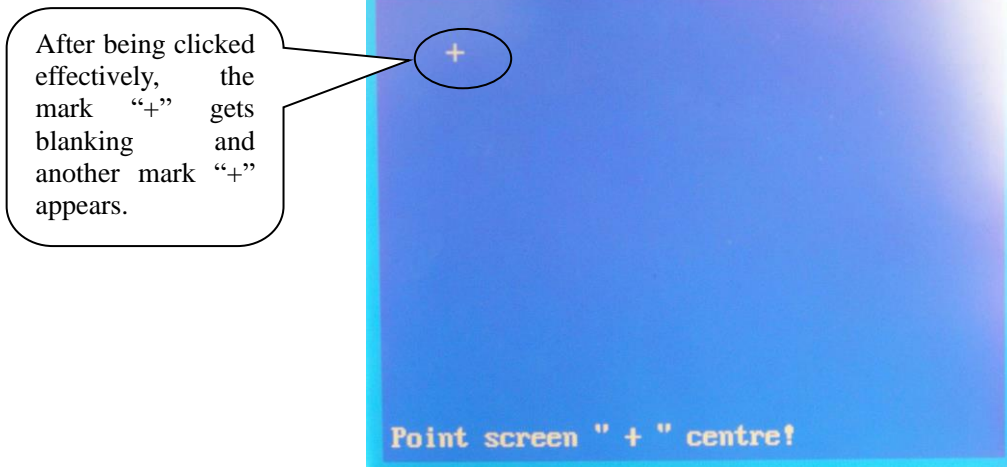
4.1 Operating steps:

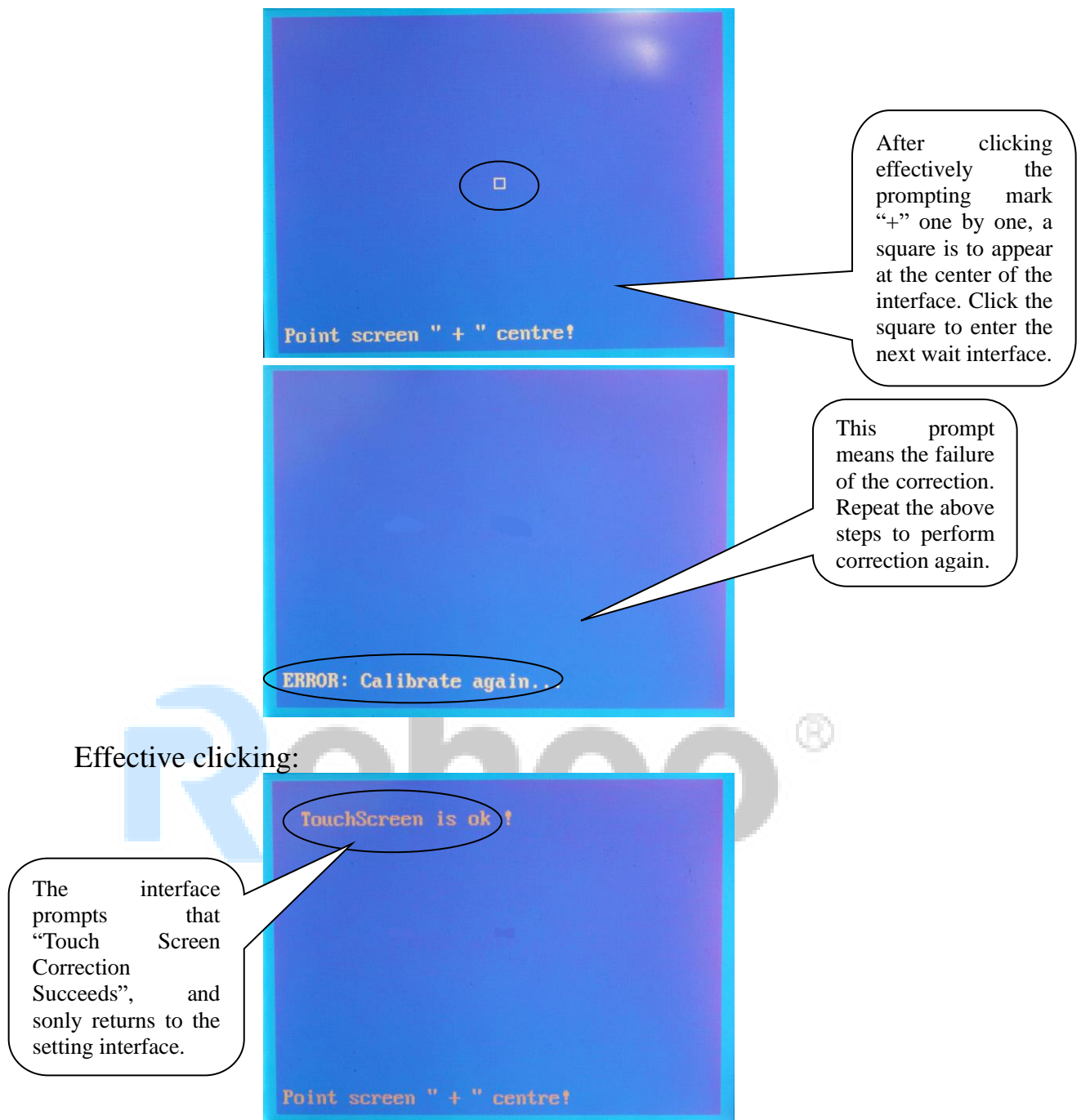


4.2 Interface instruction:

Click this icon to enter "System Setting" interface.

Click this icon to enter "Touch Screen" interface.





4.3 Function explanation:

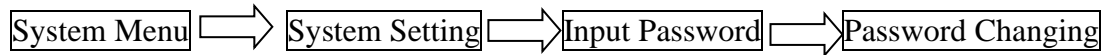
This interface provides the function of touch screen clicking correction. After long operation or finding the reduction of touch screen clicking accuracy, use this function to perform correction.

4.4 Attention:

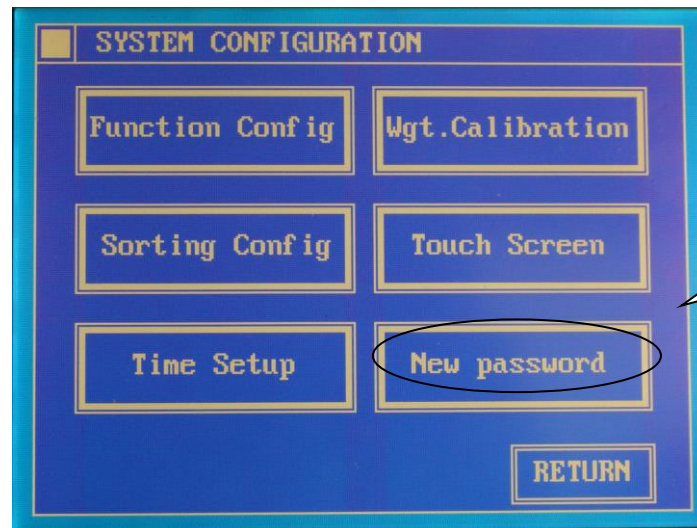
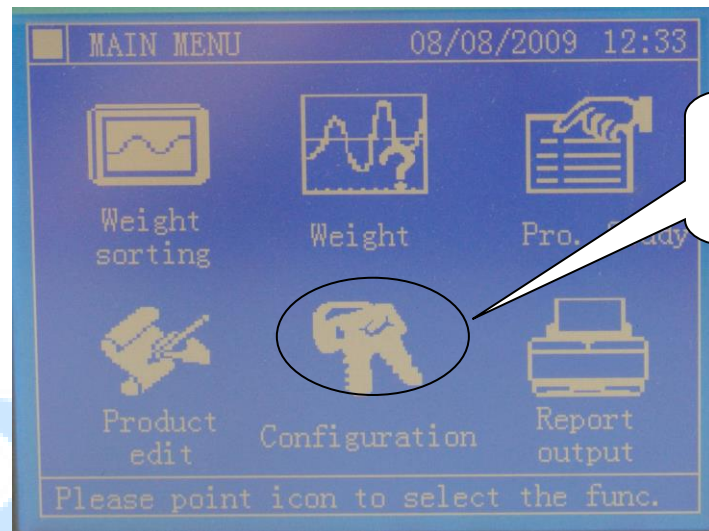
The center of mark “+” is the effective clicking point of correction. Click orderly the center of mark “+” one by one, and improper clicking may cause the failure of the correction. In case of failure, perform correction procedure again. Please use the touch pen, provided by the manufacturer, to do correction so as to avoid scratching the screen.

5. Password changing

5.1 Operation steps:



5.2 Interface instruction:



NEW PASSWORD

Please input old password:

Please input new password:

Please input new password again:

OK RETURN

Click here to input original password.



Please input old password

1	2	3	4	5	6	7	8
9	0	a	b	c	d	e	f
g	h	i	j	k	l	m	n
o	p	q	r	s	t	u	v
w	x	y	z	.	←	OK	↵

After inputting original password here, click "OK".

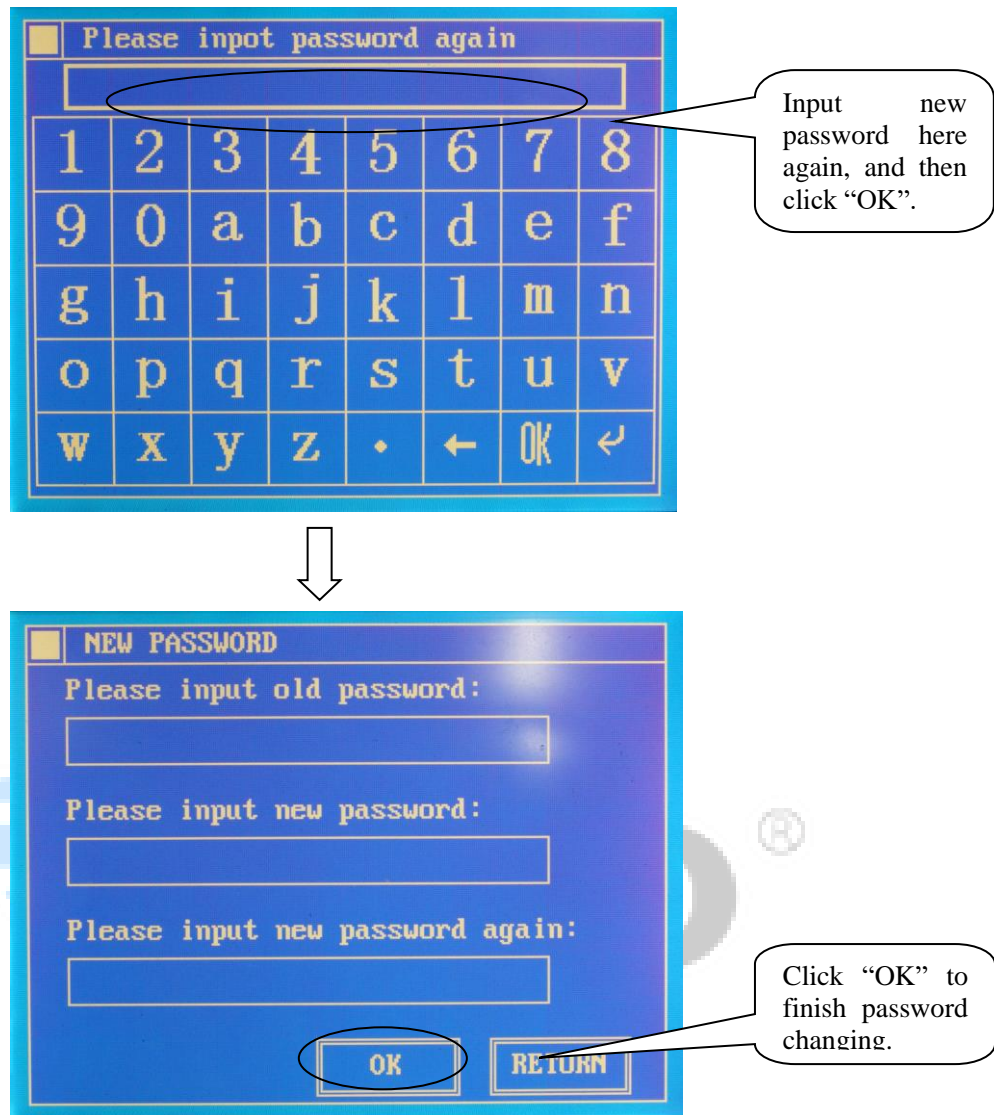


Please input new password

1	2	3	4	5	6	7	8
9	0	a	b	c	d	e	f
g	h	i	j	k	l	m	n
o	p	q	r	s	t	u	v
w	x	y	z	.	←	OK	↵

After inputting new password here, click "OK".





5.3 Function explanation:

This interface provides users with password changing function. After purchasing this product, the customers can set their own password.

5.4 Attention:

The password function is used to protect the functions in "System Setting". The system's factory-set password is '1', and the users can set and change their own password. The permanent effective password is "rehoo"

III. Contact Information

Rehoo Industrial Limited.

No.88 Hengjiang Road, Jiuting Town,
Songjiang District, Shanghai, China

Tel: +86-21-67691909

Fax+86-21-67691050

E-mail: info@rehoo.com.hk

Website: www.rehoo.com.hk

