

Product instruction manual
Magnum MCC-35ASP

MAGNUM®



The Magnum has been designed to be user friendly, however we strongly recommend you take a few minutes to read through this manual to ensure correct operation.

Keep this manual safe for future reference.

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Chapter 1 Introduction

1.1 Preface

This manual only applies to MCC-35AS Multi Card machine.
 Before using the machine, please read the instruction manual carefully.
 Please keep the manual safe so that you are able to consult to it at any time.
 Any question while operating please contact our technicians.

1.2 Specification

Item	Parameter	
Dimensions	Length*Width*Height (mm)	1960X7001200
Power Source		AC110V-240V,50/60Hz
Power		800W
Weight		150kg
Infeed Paper Spec	Max (W*L)	330mm×650mm
	Min (W*L)	210mm×210mm
	Gram Weight	150g-350g/0.15-0.35mm
Output Size	Max (W*L)	330mm×650mm
	Min (W*L)	50mm×48mm
Cross Cutter	First Cut	3.2-15mm
	Last Cut	5-15mm
	Gutter Cut	3-15mm
	Min Card Size for Cutter	48mm
	Max Qty for Cutter per Sheet	32
	Accuracy for Cutting	±0.2-0.4mm
Slit	Slitters	6
	Side Trim	3.2-38mm
	Gutter Slit	0 or 5-15mm
	Accuracy for Slitting	±0.3mm
Crease	Max Qty for Crease per Sheet	32
	Crease Depth Adjustment	8 Level Auto Adjust
	Crease Direction	Both
	Crease Die Spec.	1.0mm
	Accuracy for Creasing	±0.3mm
Scoring Tools		Option
Perforator.	Cross Perforator Die	Option 12/24TPI
	Rotary Perforator Assembly	Option 12/24TPI
	Max Qty for Rotary Perf. Assembly	8 sets
	Strike Perf. Assembly and Max Qty	Option 12TPI,8 sets
Feeding Type		Top Vacuum



Speed	A4 trimming 4 sides, crease in middle	20Sheets/min
Pile Loading		100mm
Double Feed Detect		Ultrasonic Detecting
Skew Adjustment		Manually Adjustment
Image Compensation		X/Y Direction Compensation
User Template Storage		64

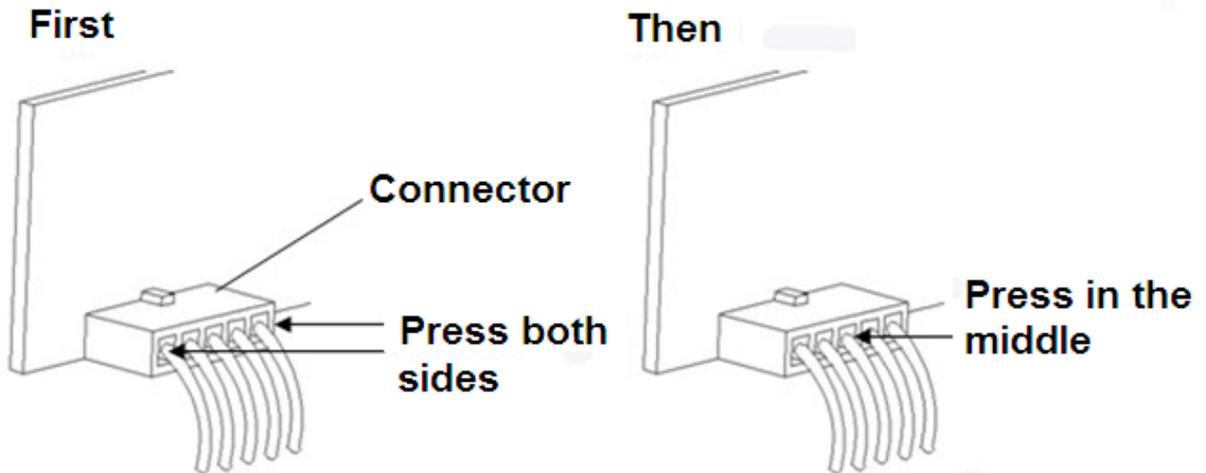
Note: The machine is keep upgrading, specification and information in this manual is updated as per the change without notice.

Chapter 2 Safety

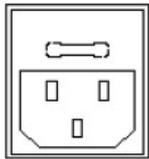
Please shut down the machine before the maintenance.

In order to avoid any mistake when re-connecting wires back, we advise you to mark each connector before replace of any electrical component.

Mind that every connection should be firm, first hold both sides of the connector, and then, in the middle, not firm connection is possible to damage the electrical components.



Power supply



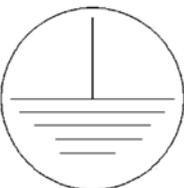
AC input, Voltage/Frequency is:
AC 110-240V/50-60Hz.

! If the voltage or frequency are not in the range, the machine may not be used normally or even may cause unrecoverable damage



Power cord, Over 10A current is endurable

- ! 1. Do not remove the cord when the machine is running, illegal operation may cause component damage or machinery jam
- 2. Remove the cord when you are installing components.



Ground symbol. If you see this symbol in any place, please do not touch it anyhow, or uninstall it.

! If the ground is not well connected, it may cause human body injury.

2.1 Environment

Temperature: 10°C to 35°C

Humidity: 30% to 70%

Altitude: Below elevation 1000m

There is no corrosiveness gas, flammable gas, oil mist and so on in room

2.2 Do's and Don'ts



Do-Read this manual and fully understand before the operation.



Do-Check the *plug and machine voltage and frequency* to your main supply, and that the socket has a correct working earth lead for this single insulated machine



Do use at least a 10 amp power source at 220 V. (20Amp/100V).



Do make sure all safety covers are in place. The top covers have an interlock switch which will disable the unit if removed



Do open or close the cover slowly



Do contact the local maintenance center before you are about to move the machine.



Do disconnect the power before clean the inner side.



Do unplug the cord if you won't use the machine for a long while,



Do be careful of the blade edge



Don't install the machine on an unstable ground.



Don't operating with wet hand, especially plug or unplug the cord.



Don't wear long hair, loose fitting clothes or put your fingers into the creasing unit nip, while the operation..



Don't place any receptacles with any liquid on any surface of machine.



Don't-put other pieces, especially tiny pieces on loading table.



Don't-alter or uninstall the machine, unless by *Magnum* authorized engineer.



Don't touch any running parts while running



Don't shut down the machine while running.



Don't put heavy matter on machine or shock it.



Don't put the side guide under the feeding system.

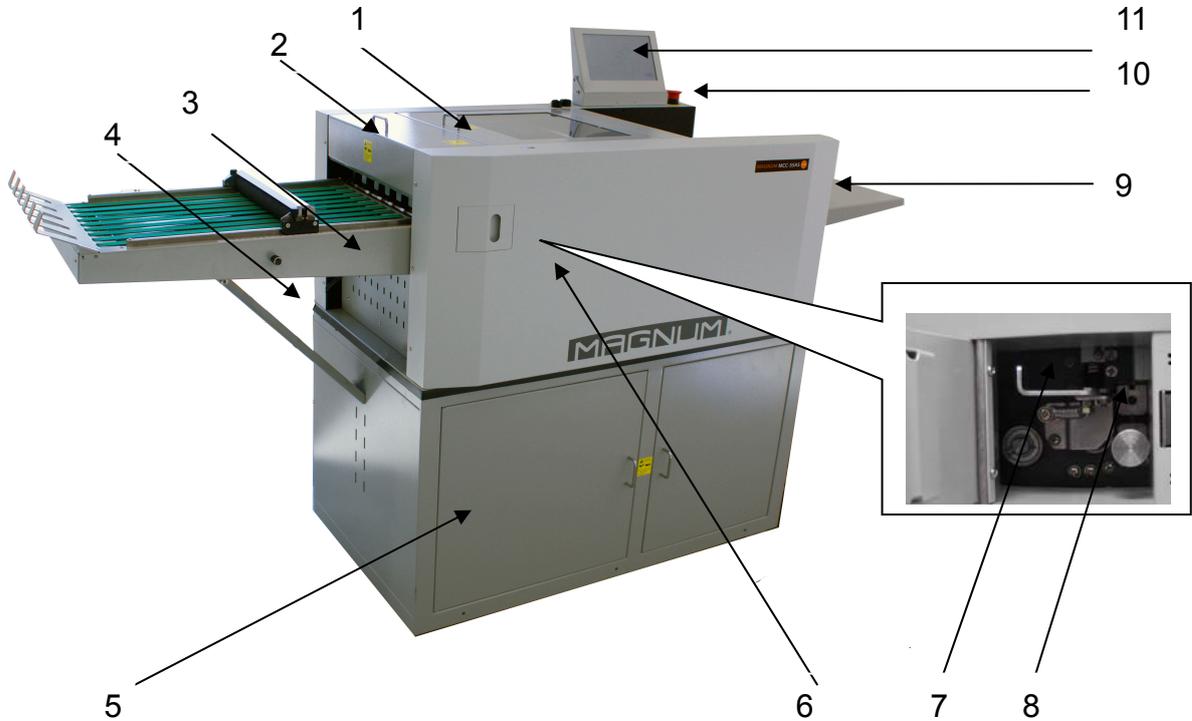
2.3 Cautions

Be careful of any metal or flammable thing in internal machine, or it may cause fire or electronic shock. If it happens, first shut down the power, disconnect the cord, and then contact the technician.

If machine becomes heat, smoke, or smelly, shutdown at once, disconnecting the cord, and contact the maintenance staff.

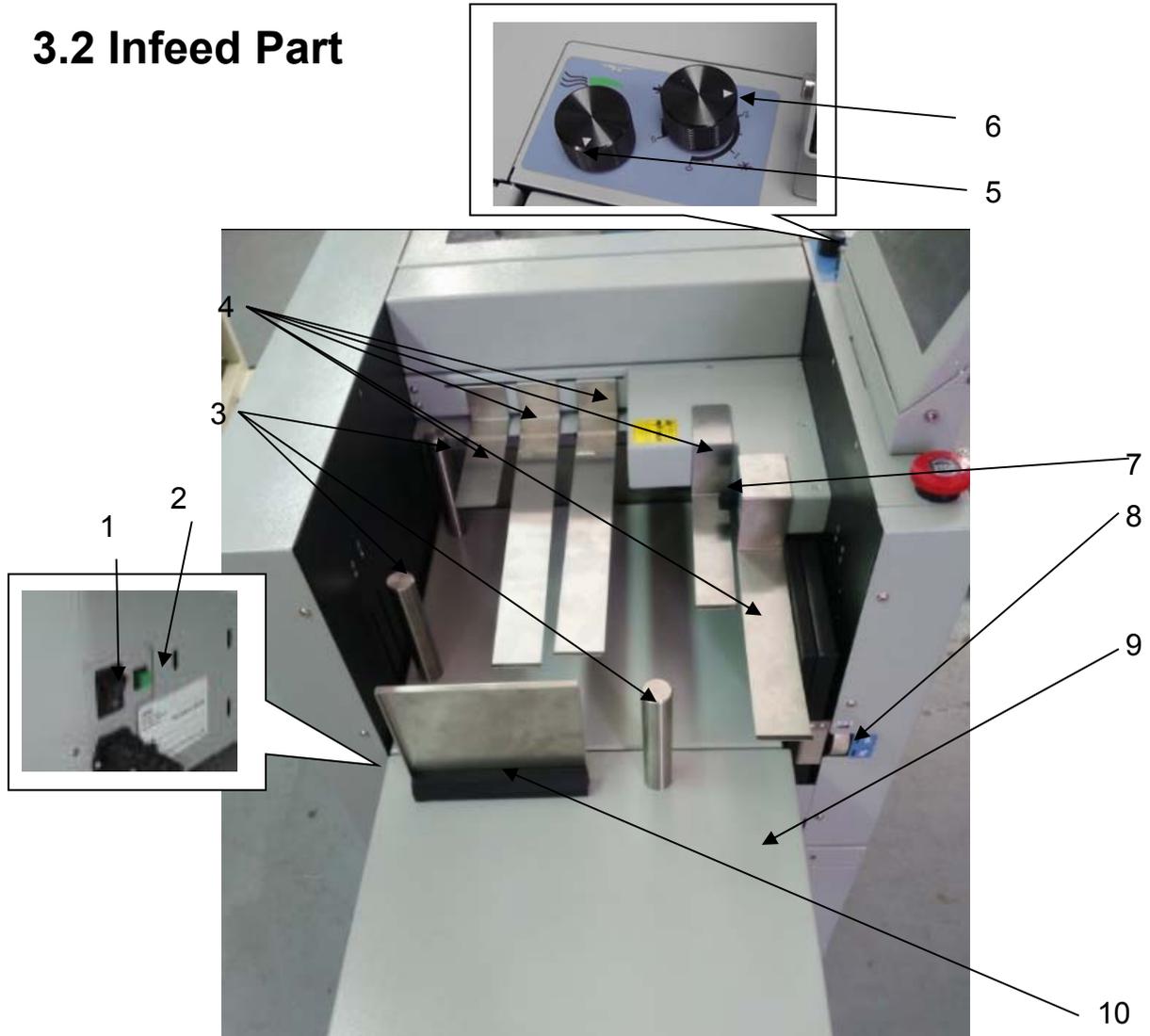
Chapter 3 Main Parts and Assies

3.1 Main Parts



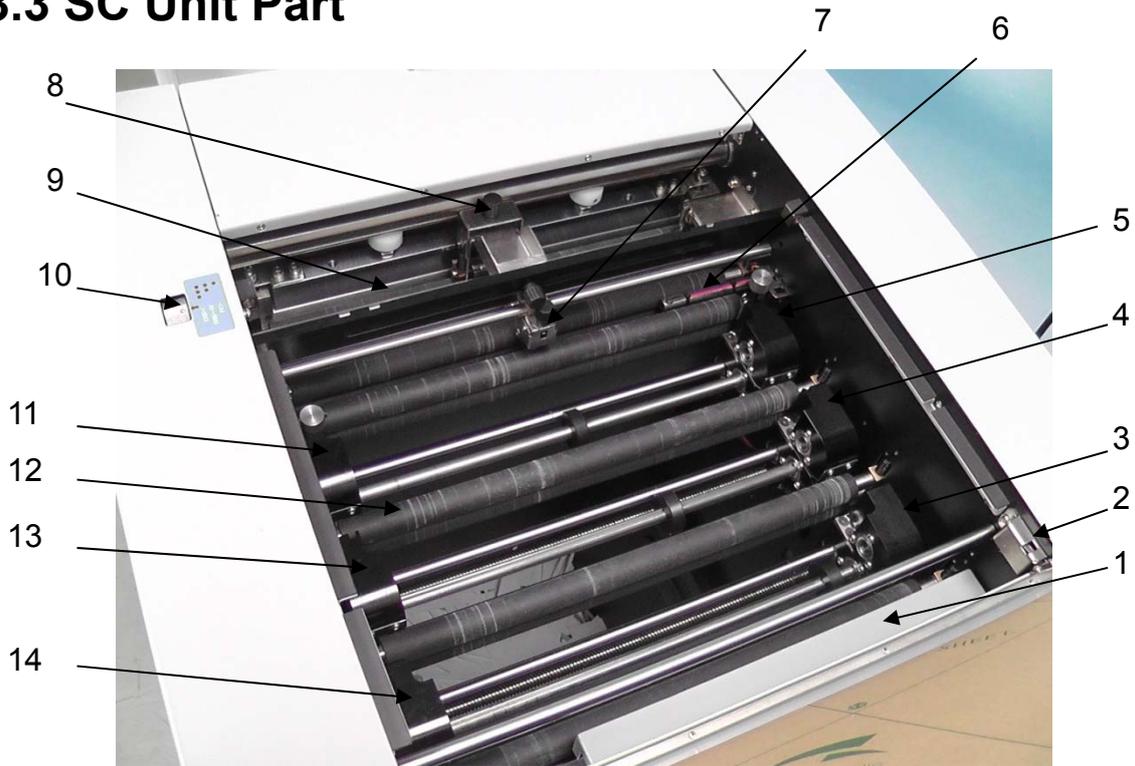
No.	Description	Remark
1	SC unit	Slit and cut according to the template
2	Crease Unit	Make Creasing, Perforating, or Partial Perforating
3	Card Collector	Collect finished business card
4	Outfeed Tray	Collecting finished Bigger Cards or Sheets
5	Stand	Place Waste Box and Store Room for parts or sheets
6	Crease Side Cover	Exchange the crease die or perforating die
7	Lock device	Protect Crease Die from sliding out
8	Crease Die	Creasing or change perforator for perforating
9	Loading Table	Loading Paper
10	Emergency Button	Shut down machine while emergency.
11	Color Touch Screen	Control panel and display

3.2 Infeed Part



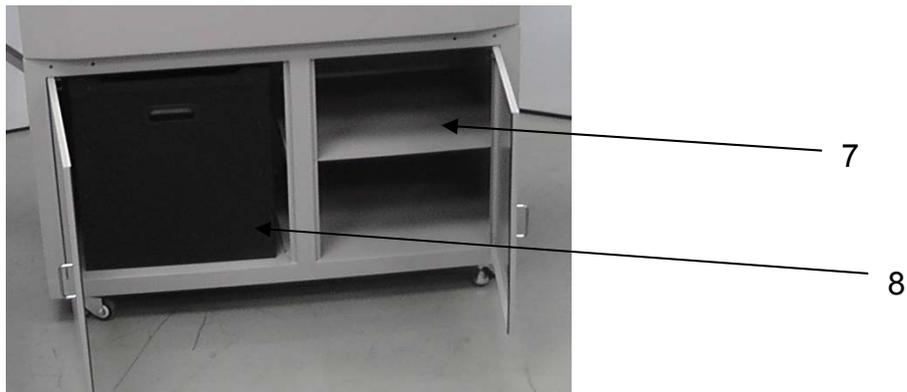
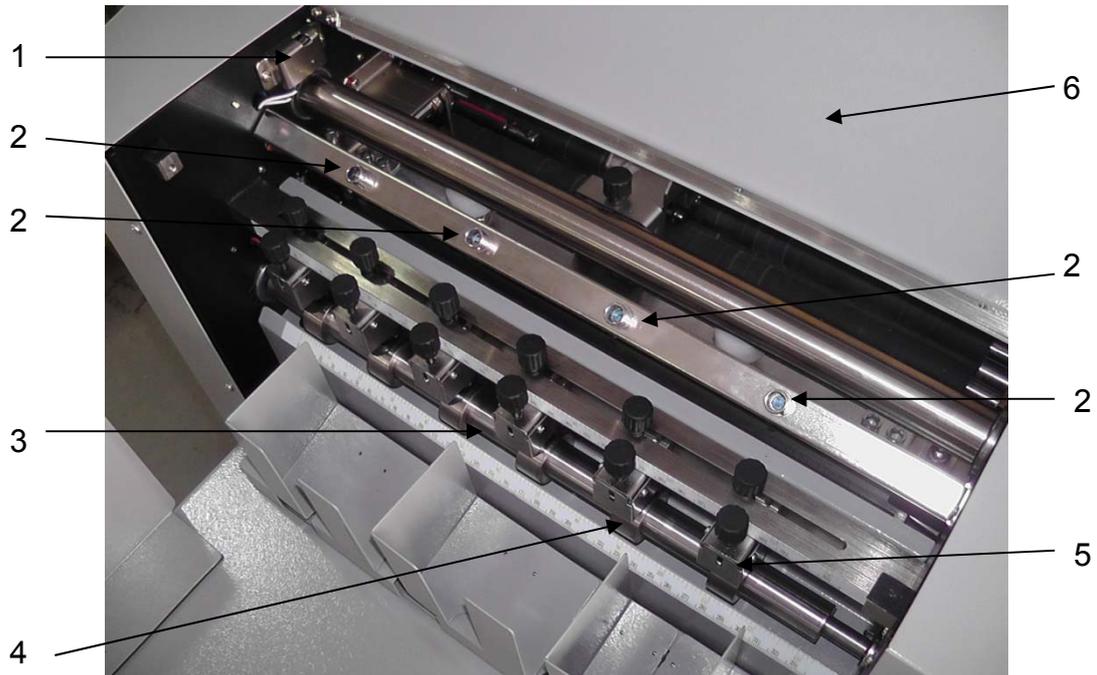
No.	Description	Remark
1	Switch	Main power switch
2	Releasing Button	Release Elevator while Elevator Error
3	Side Guide Post	Regular the infeed paper
4	Paper Deflectors	Avoid paper floating too much
5	Air Blast Knob	Adjust the air blast
6	Paper Separator Knob	Adjust the height of separator to change the gap between separator and vacuum belt, according to different paper thickness
7	Height Knob	Adjust the table height going up
8	Skew Wheel	Adjust the infeed skew
9	Loading Extension Table	For Loading longer Paper
10	Movable Side Guide	Back Stop or regular the infeed paper.

3.3 SC Unit Part



No.	Description	Remark
1	Barcode Reader And Double Feed Detector	Barcode reader for register mark and barcode; ultrasonic detector for double feed detecting
2	SC Unit Cover Switch	Make sure SC cover is closed well
3	#1 Slitter	
4	#2 Slitter	
5	#3 Slitter	
6	Cutter Aligned Sensor	Detect the paper before cutter
7	Lag Wheel A	Adjust pressure of two rollers before cutter
8	Lag Wheel B	Adjust pressure of the roller after cutter
9	Cross Cutter	
10	Pressure Wheel	Adjust pressure of three rollers near cutter
11	#4 Slitter	
12	Feeding Roller	Transmit the paper
13	#5 Slitter	
14	#6 Slitter	

3.4 Crease Unit Part



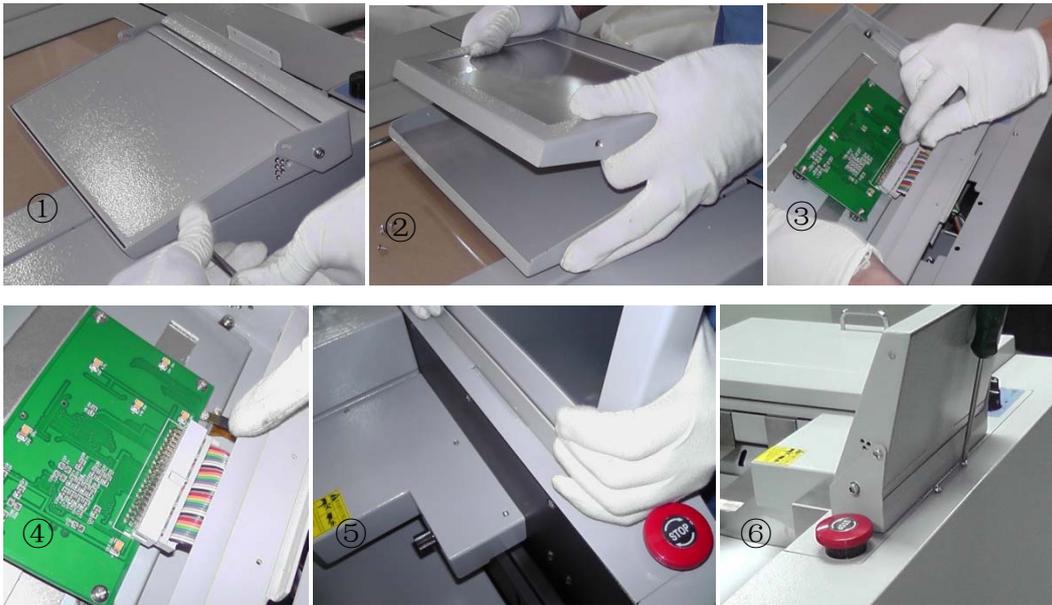
No.	Description	Remark
1	Crease Unit Cover Switch	Make sure crease unit cover is closed well
2	Strike Perf. Connector	Connect to Strike Perf. (Option)
3	Outfeed Lower Roller Shaft	Fix the anvils of all option linear tools
4	Outfeed Lower Roller	Work with outfeed lag wheel to outfeed cards
5	Outfeed lag wheel	Work with outfeed lower roller to outfeed cards
6	Crease Unit Cover	Protect the crease unit for safety
7	Store Room	Store parts or samples
8	Waste Box	Collect waste from SC unit

Chapter 4 Installation

4.1 Touch Screen Installation

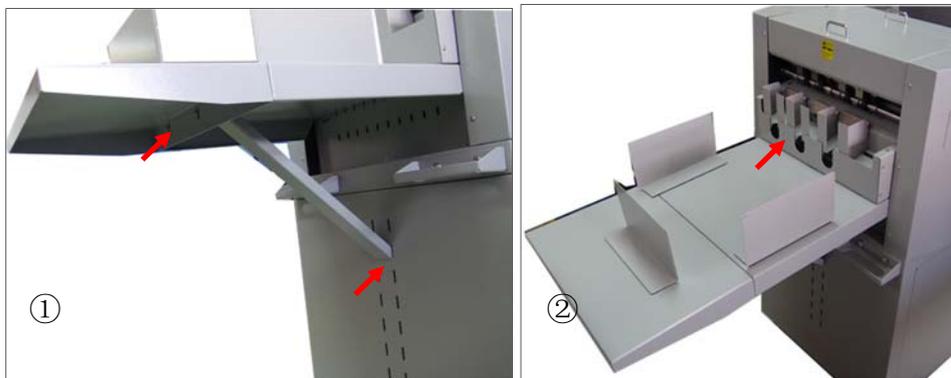
Remove the wooden case and take machine out. Find the touch screen from the waste box. Then install it as following pictures:

1. Remove the back cover of touch screen as picture ① and ②;
2. Connect the cable to the screen drive board as picture ③ and ④. Mind avoiding damage the screen cable;
3. Fix the screen onto machine as picture ⑤ and ⑥.



4.2 Outfeed Tray Installation

Hang the outfeed tray onto machine and make sure the tray is horizon. Then place the business card collector to the position, shown as following picture① and ②.



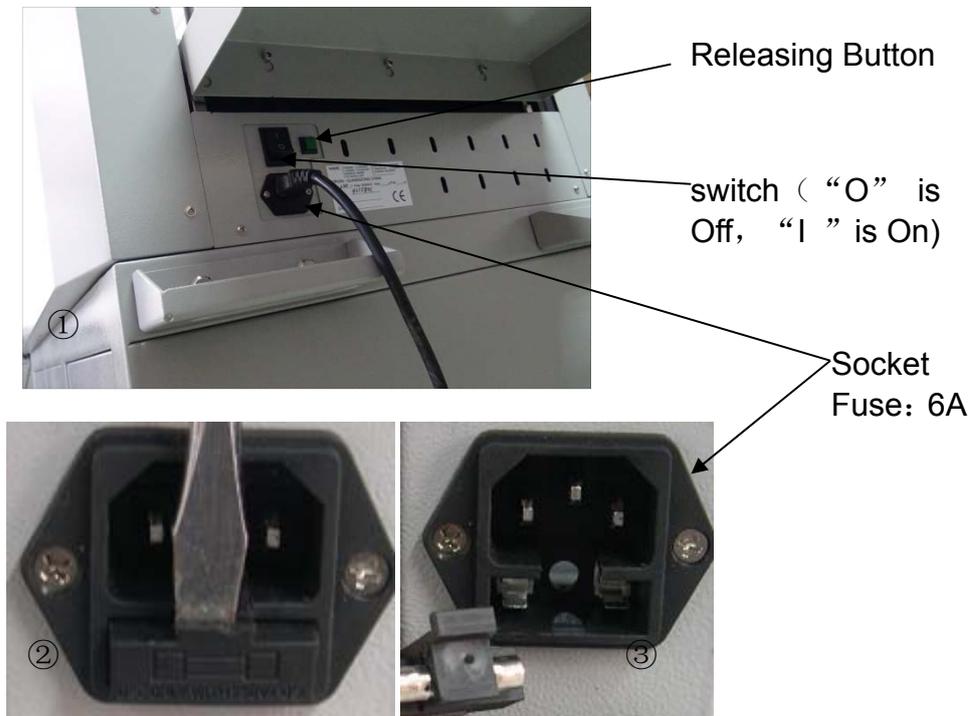
4.3 Deflectors and Side Guide Placement

Place the deflectors and side guide as following picture.



4.5 Power Socket and Switch

AC input, Voltage/Frequency is:
AC110-240V/50-60Hz.

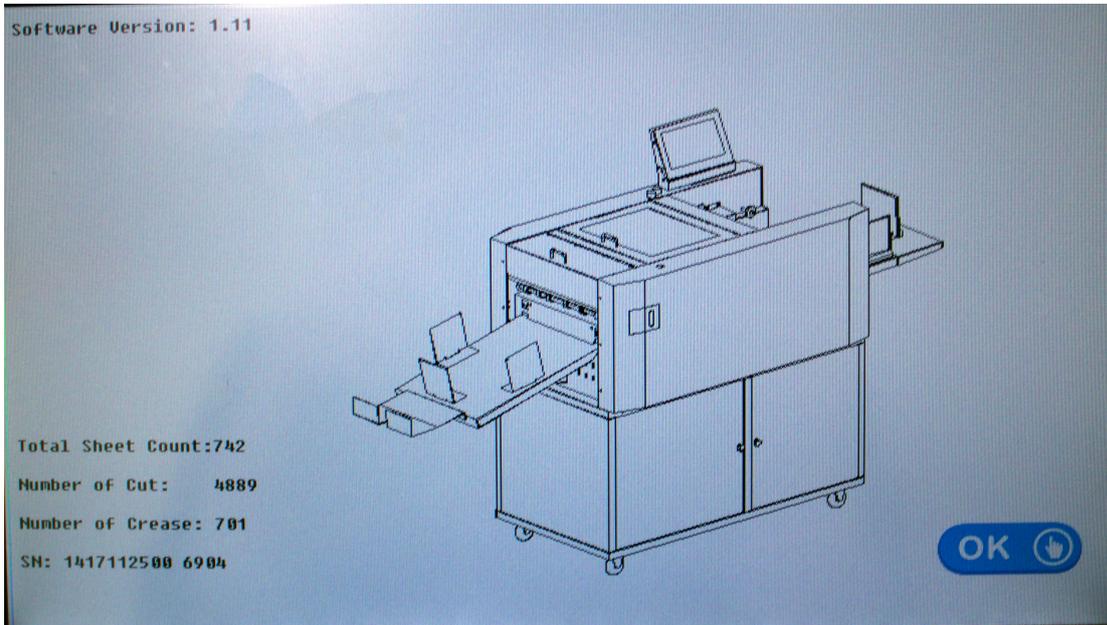


Cautions: Don't operate machine with wet hand.

Chapter 5 Operation

5.1 Welcome Screen

Turn on machine, it will enter welcome screen. All the use information of the machine is displayed in this screen.



Software version: Machine current software version.

Total sheet count: The current total sheet qty. the machine has run.

Number of cut: The current total qty. the cross cutter has worked.

Number of crease: The current total qty. the creaser has worked.

SN: The serial number of the machine.

Press the **OK** icon to enter main screen.

NOTE: All the information should be supplied before contact the technician for warranty parts or maintenances.

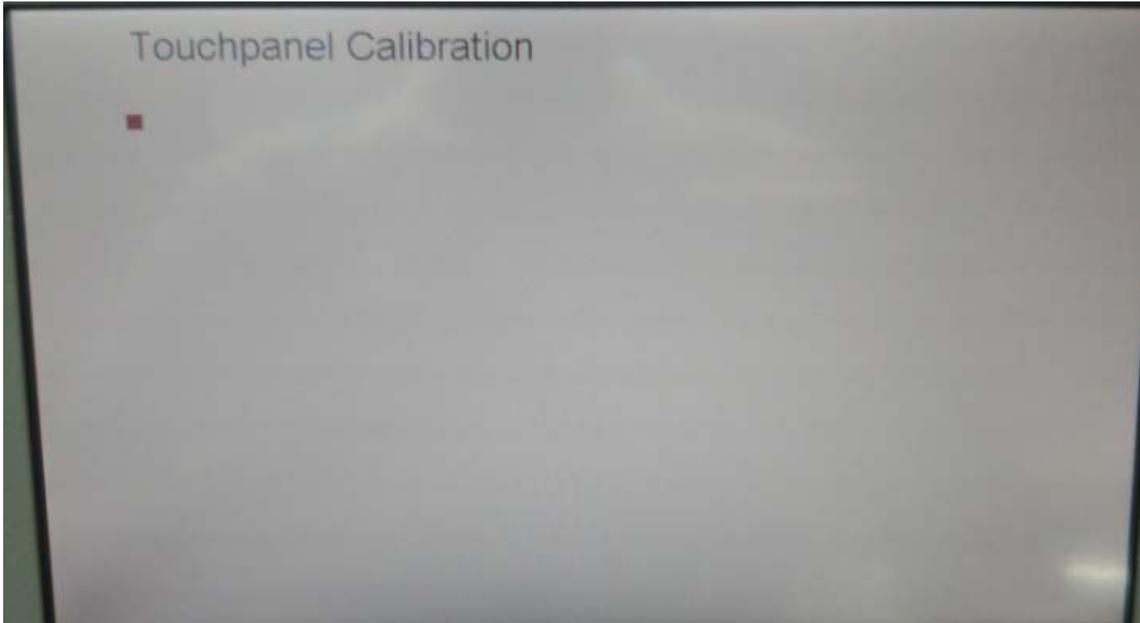
 Never touch the screen too hard or it may destroy the LCD screen, or invalidate the warranty.

5.2 Touch Screen Calibration.

User clicks the **OK** icon or **other place** for 5 or more times continuously. It will enter the touch screen calibration screen. And there is a red dot to guide the calibration.

Use a tiny pen to click the red dot step by step, then it will back to welcome screen again after the calibration is finished.

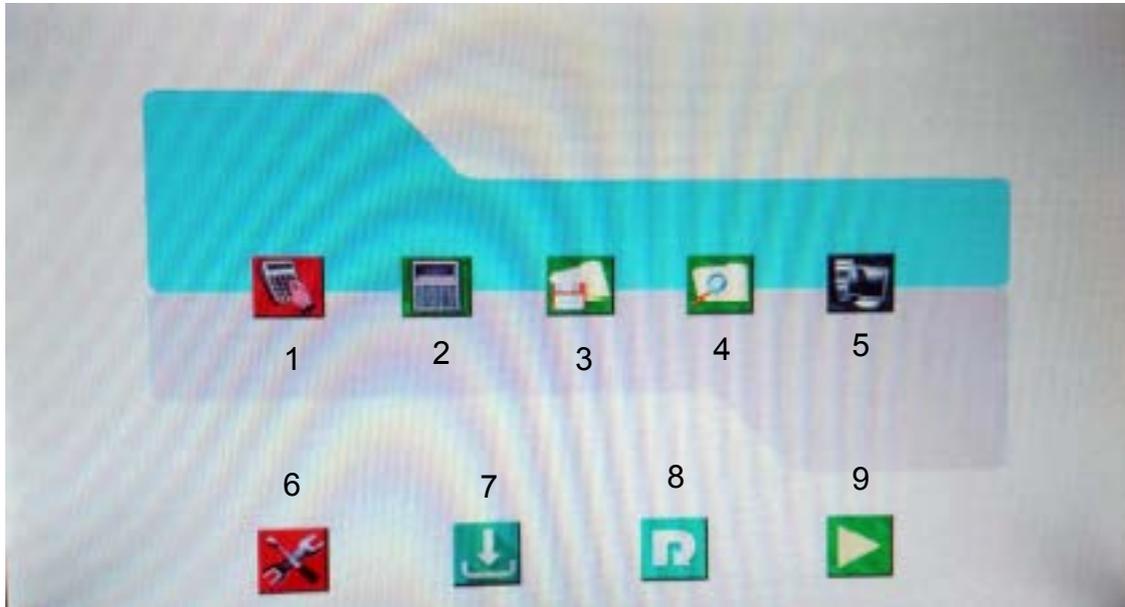
This function is for the issue that the clicked icon doesn't match the reflecting place.



 The tiny pen must be a dull top in case destroying the touch screen, or invalidate the warranty.

 Never touch the screen too hard or it may destroy the LCD screen, invalidate the warranty.

5.3 Main Screen



No.	Description	Remark
1	Manual Programming	Input all the data one by one.
2	Quick Programming	Create template automatically.
3	User Template Storage	Recall the user template.
4	Preset Template Storage	Recall the factory template.
5	Communicating with PC	Reserved function.
6	Settings	Enter into system settings of machine.
7	Tray Down	Let loading tray down to home position
8	Back Home Position	Let all slitters back to home position.
9	Start	Enter the run screen according the last available job data.

5.4 Main Running Screen

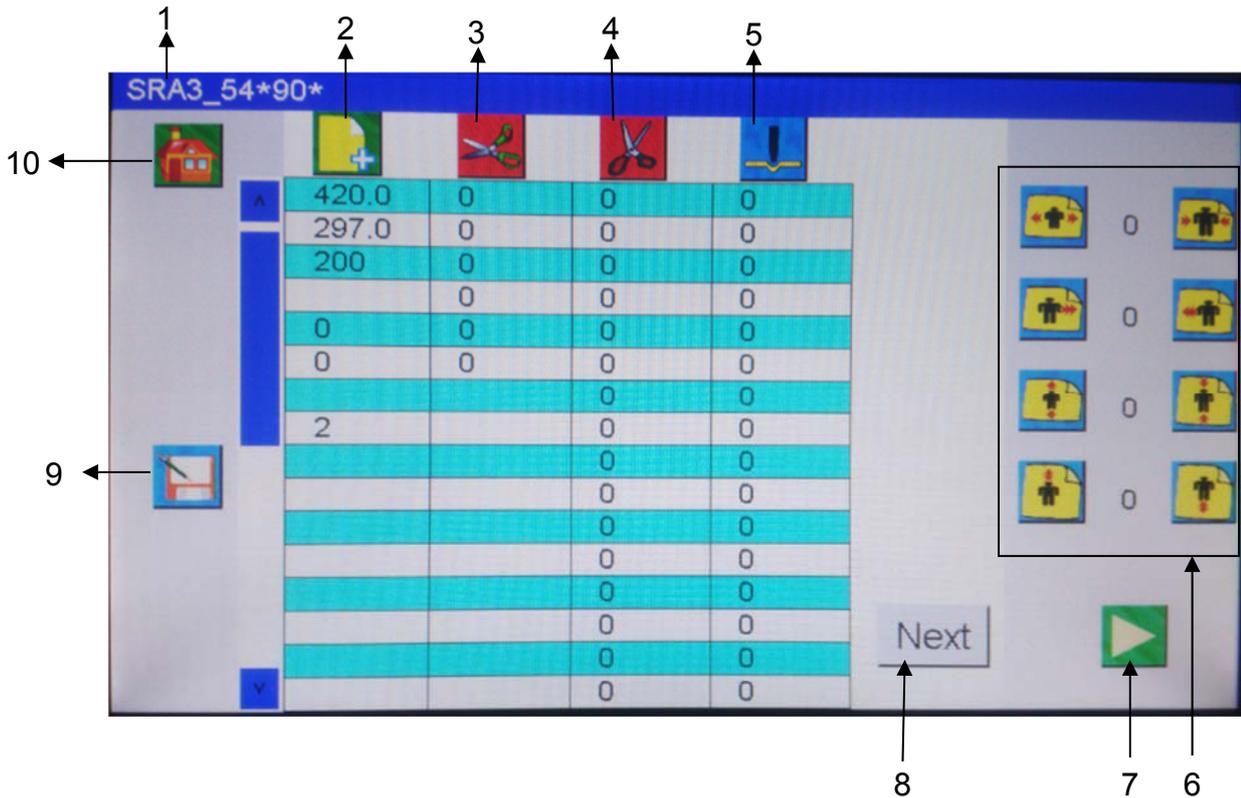


No.	Description	Remark
1	Home	Back to Main Screen.
2	Return	Return to the last page
3	Speed	Two types speed to select, low speed and high speed
4	Sheets Qty per Batch	Set the sheets qty in one batch.
5	Batch Qty	Set the batch qty.
6	Start	Machine starts to work
7	Test	Machine runs current template one sheet.
8	Check	Locate the linear tool position.
9	Tray Down	Let the loading table down to lower position
10	Register Mark	Open the register mark function.
11	Barcode	Open the Barcode reader function. (option)

5.5 Manual Programming Screen

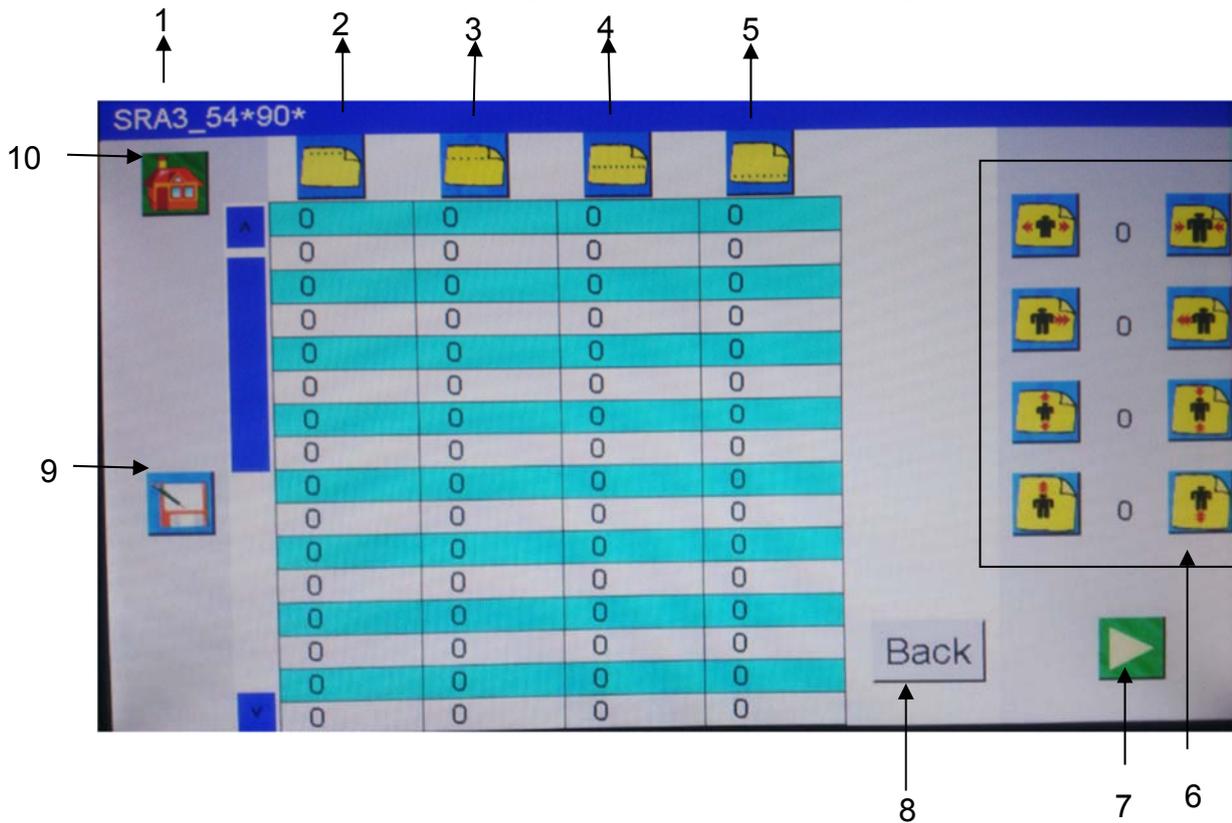
5.5.1 Main Icon Introduction

1. Press the icon , entering manual programming screen.



No.	Description	Remark
1	File Name	Template name.
2	Paper Size	Set Paper spec., crease depth, black mark position.
3	Slit Data	Set the data of Slitters
4	Cut data	Set the data of Cross Cutter.
5	Crease Data	Set the data of Creaser.
6	Image Compensation	For dealing with the images shift or shrink/stretch caused by printing
7	Start	Enter Running Screen
8	Next Page	Go to the next page.
9	Save As	Save the temper template with a new name
10	Home	Back to Main Screen.

2. Press the **Next** icon, entering next page of manual programming screen.



No.	Description	Remark
1	File Name	Template name.
2	Strike Perf. #1	Set the data of Strike Perf.#1
3	Strike Perf. #2	Set the data of Strike Perf.#2
4	Strike Perf. #3	Set the data of Strike Perf.#3
5	Strike Perf. #4	Set the data of Strike Perf.#4
6	Image Compensation	For dealing with the images shift or shrink/stretch caused by printing
7	Start	Enter Running Screen
8	Back Page	Back to last page.
9	Save As	Save the temper template with a new name
10	Home	Back to Main Screen.

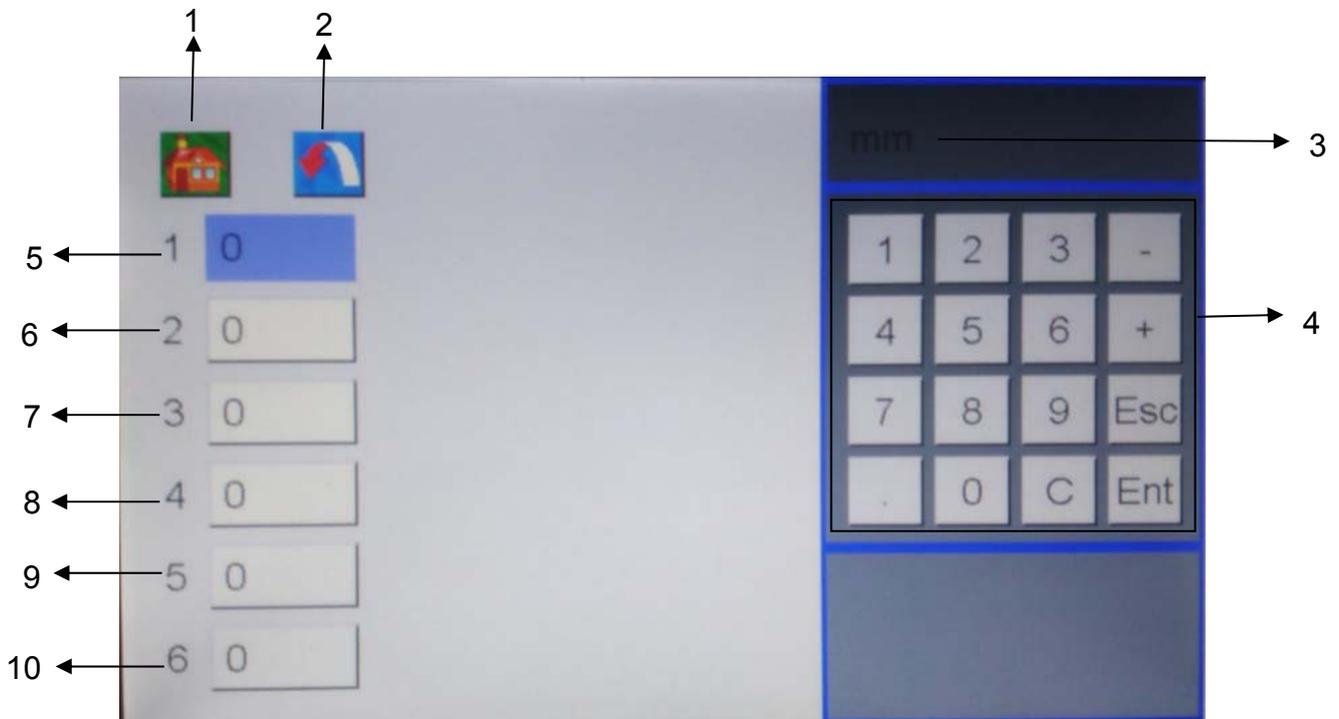
5.5.2 Manual Input

5.5.2.1 Paper Size Setting

Press Paper Size Icon , it will show a warning **“Do you want to clear all values?”** before entering paper size setting screen. Press Yes, it will clear up all presetting values; Press No, the presetting will be remained.

5.5.2.2 Slit Setting

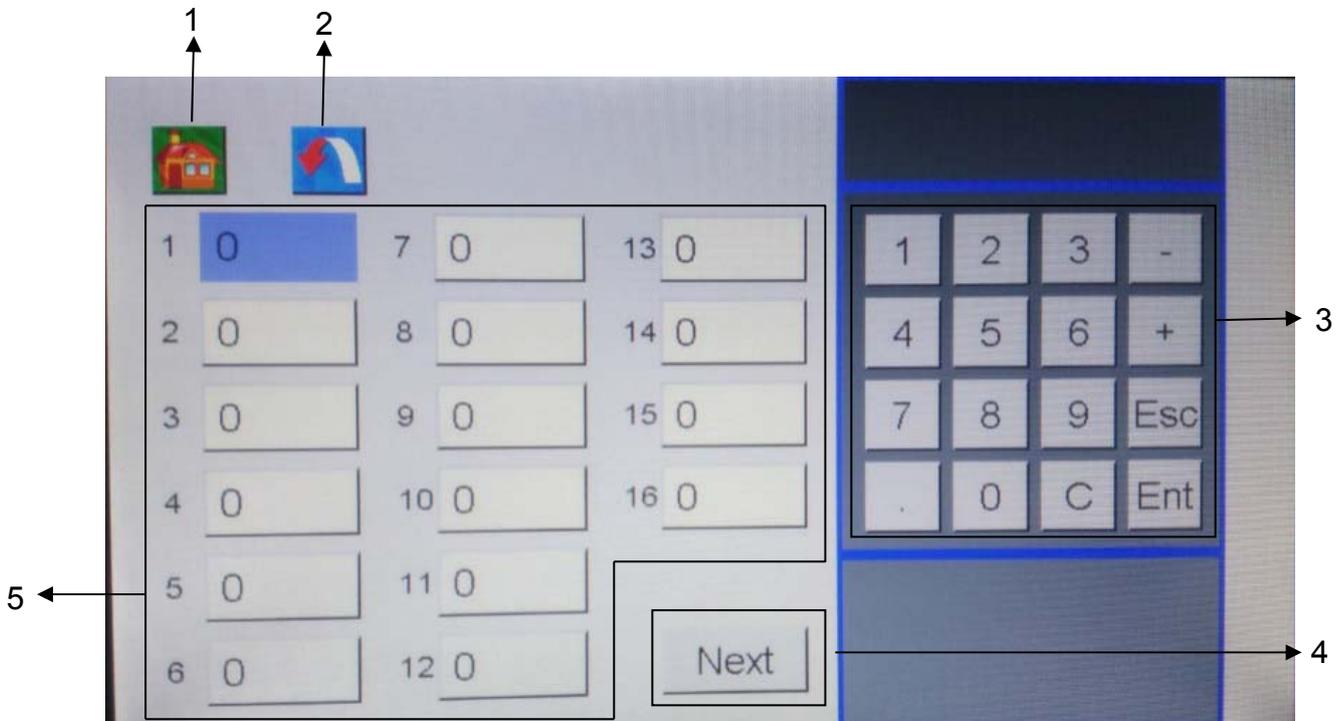
Press the icon , entering slit data setting screen.



No.	Description	Remark
1	Home	Back to Main Screen.
2	Return	Return to the last page
3	Unit	Data unit mm or inch.
4	Keyboard	Input all data according local request.
5	Slitter #1 Data	Set slitter #1 data
6	Slitter #2 Data	Set slitter #2 data
7	Slitter #3 Data	Set slitter #3 data
8	Slitter #4 Data	Set slitter #4 data
9	Slitter #5 Data	Set slitter #5 data
10	Slitter #6 Data	Set slitter #6 data

5.5.2.3 Cut Setting

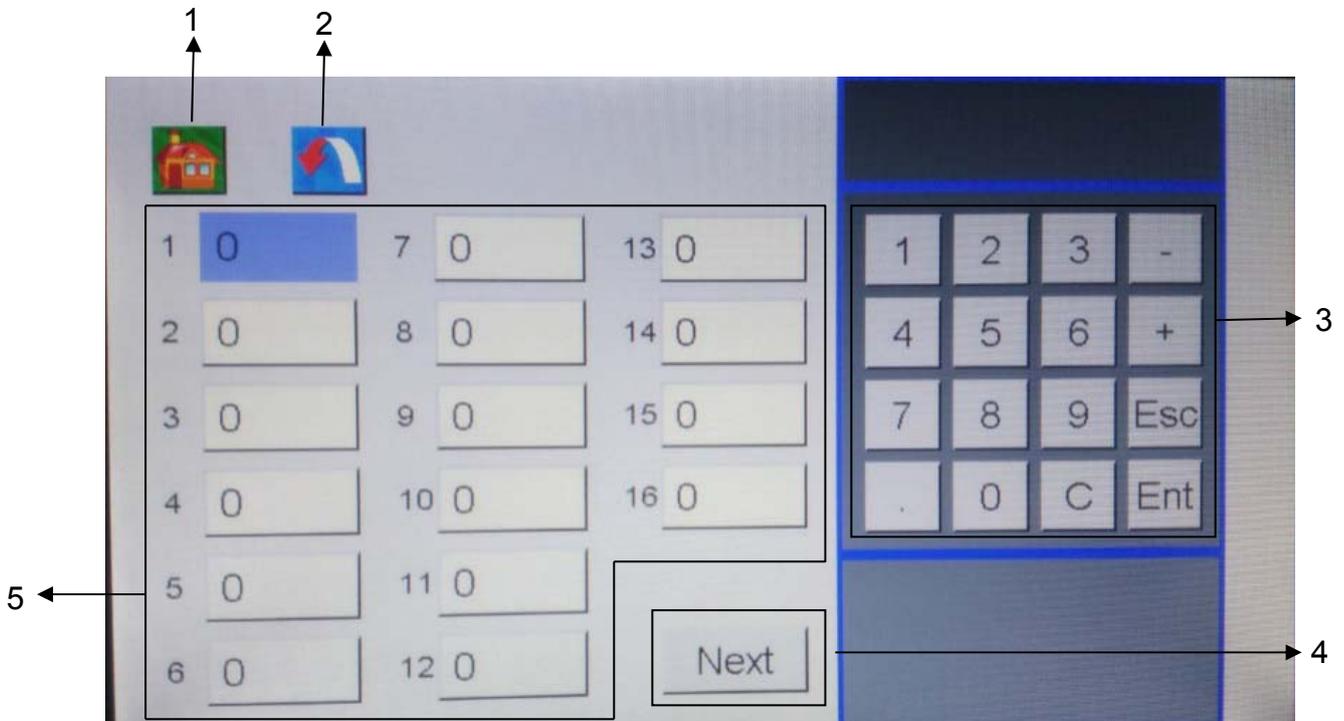
Press the icon , entering cut data setting screen.



No.	Description	Remark
1	Home	Back to Main Screen.
2	Return	Return to the last page
3	Keyboard	Input all data according local request.
4	Next	Turn to Next Page (17~32 cut position data).
5	Cut Data	Set 1~16 cut position data according local request.

5.5.2.4 Crease Setting

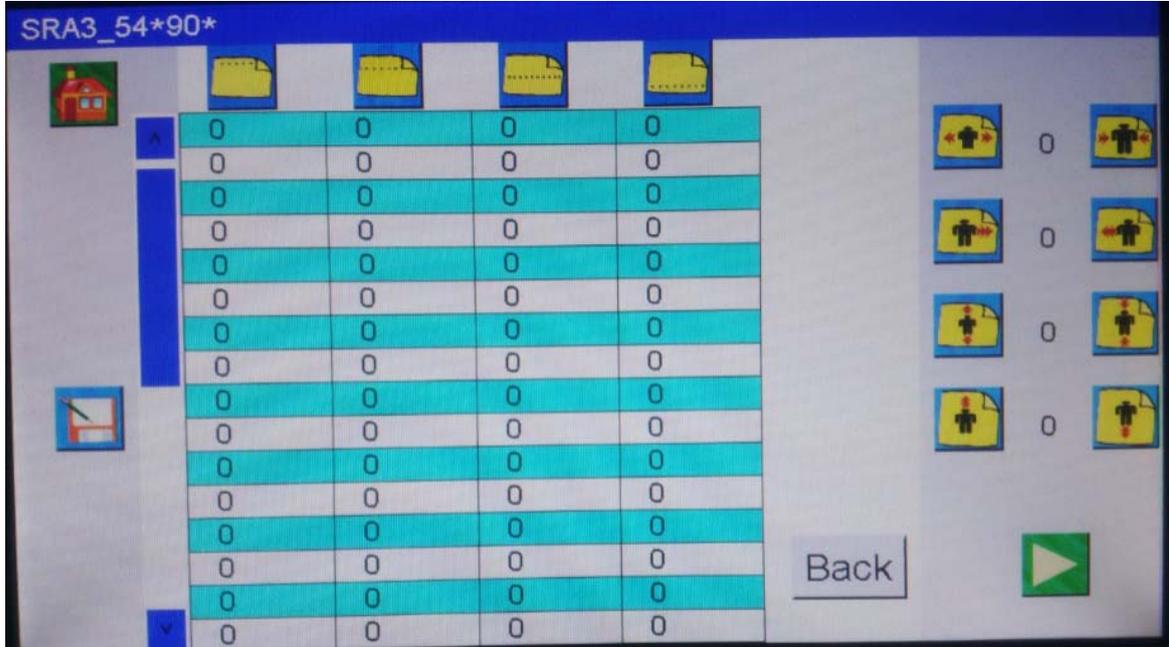
Press the icon , entering crease data setting screen.



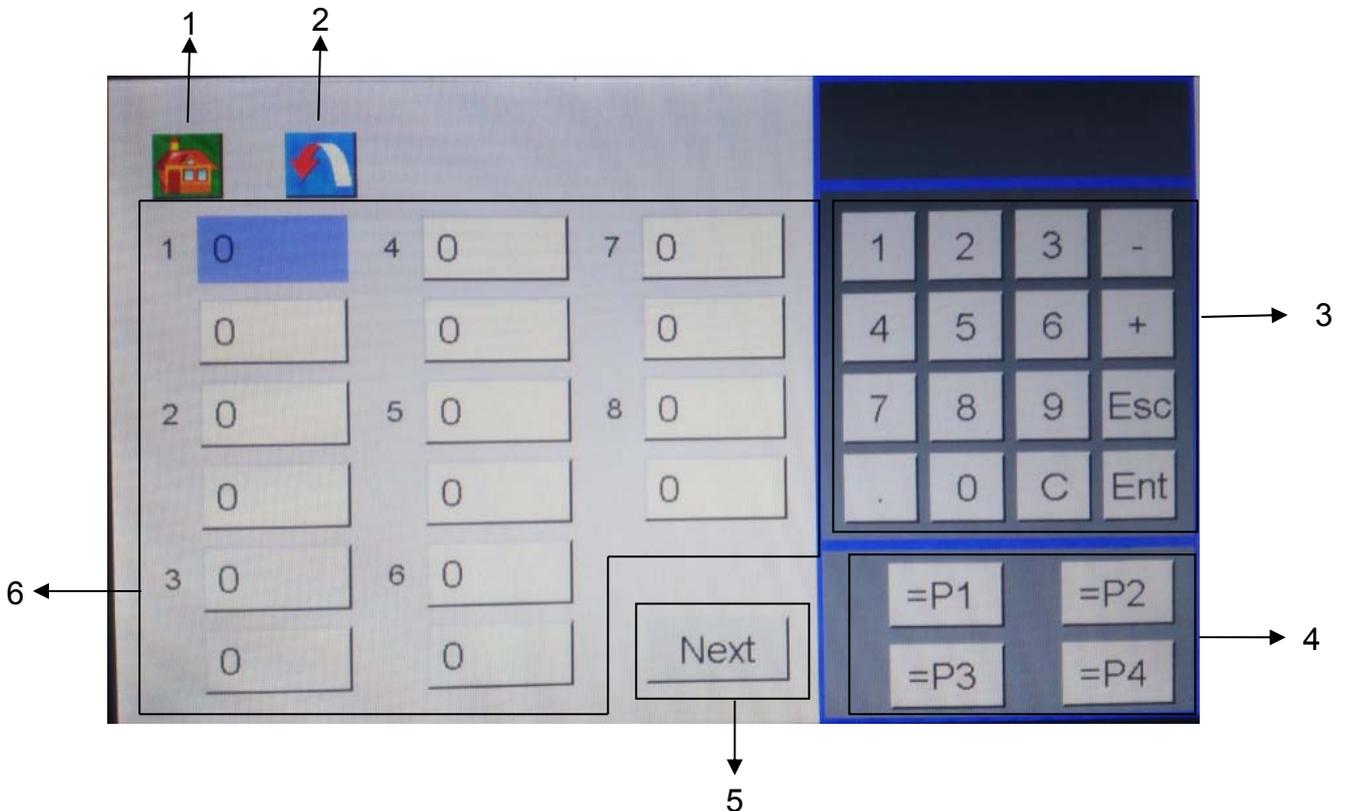
No.	Description	Remark
1	Home	Back to Main Screen.
2	Return	Return to the last page
4	Keyboard	Input all data according local request.
4	Next	Turn to Next Page (17~32 crease position data).
5	Crease Data	Set 1~16 crease position data according local request.

5.5.2.5 Partial Perforating Setting

1. Press the **Next** icon of manual programming screen, entering Partial Perforating setting screen.

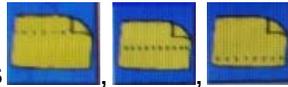


2. Press the icon , entering strike perforator #1 data setting screen.



No.	Description	Remark
1	Home	Back to Main Screen.
2	Return	Return to the last page
3	Keyboard	Input all data according local request.
4	Shortcut Key	Make all partial perforating position data same with P1/P2/P3/P4.
5	Next	Turn to Next Page (9~16 partial perforating position data).
6	Partial Perforating Data	Set 1~8 pair partial perforating position data

Setting the strike perforator #2, #3, #4 partial perforating position data is the



same with strike perforator #1. Press , ,  icon to set.

Each pair partial perforating position data is made up of two data. The upper data means start, and lower data means end. For example, first pair data is 50 (upper), 100(lower). It means strike perforator will start to work from 50mm position and stop at 100mm position.

Under manual programming mode, all the data you have to know and input all the data one by one.



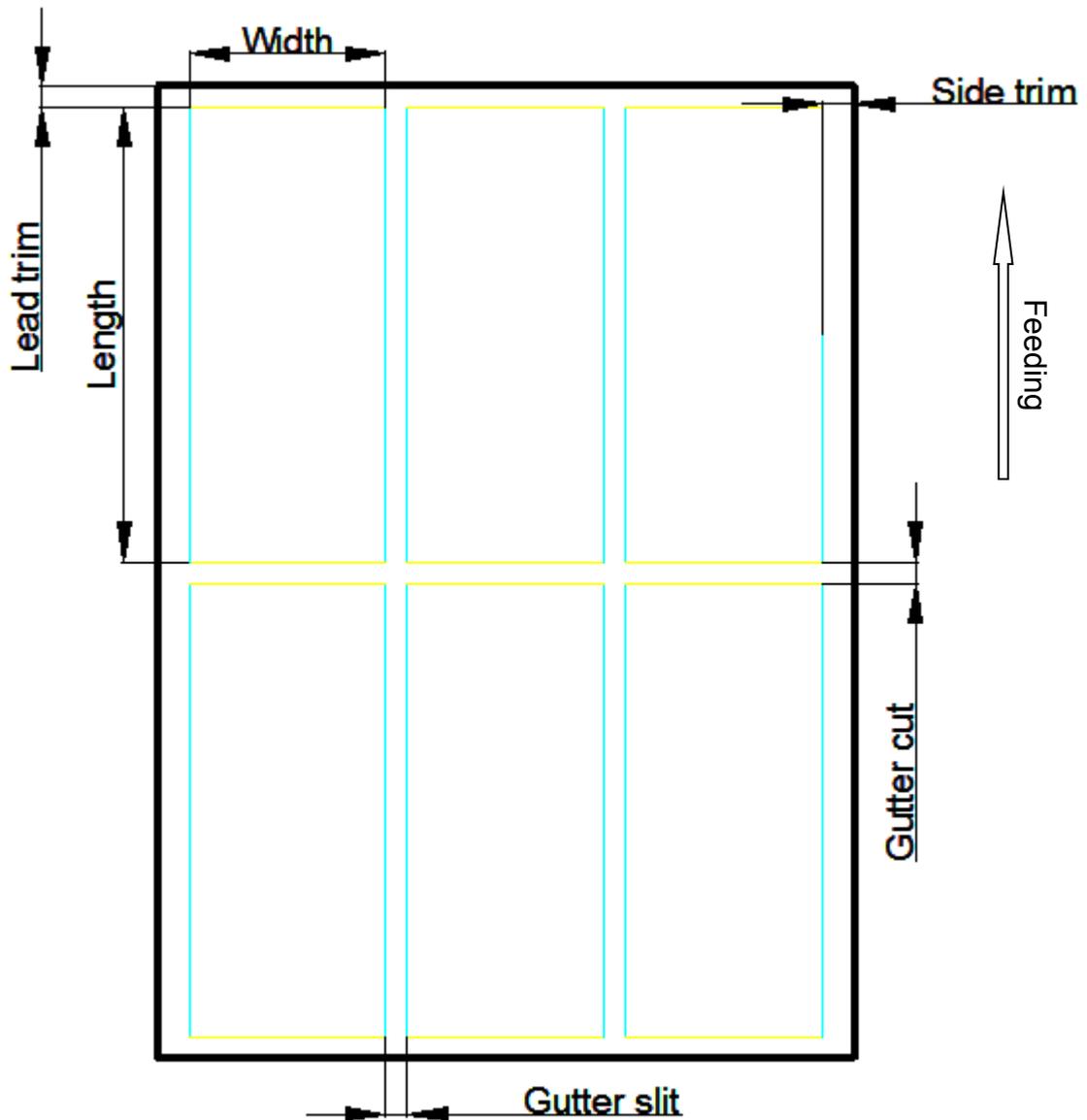
Press icon  back to former screen, and press icon  to run the



template. Press icon  to save template to the user template storage.

5.6 Quick Programming Screen

5.6.1 Introduction of Sheet Data:



Example:

Card size: 90mmx200mm, Paper size: SAR3, thickness: 300gsm.

Crease in the middle, partial perforating from middle to tail.

Lead trim: 10mm; side trim: 15mm; Gutter cut: 30mm; Gutter slit: 10mm.

5.6.2 Create a Template by Quick Programming



Press the icon , entering quick programming setting screen.

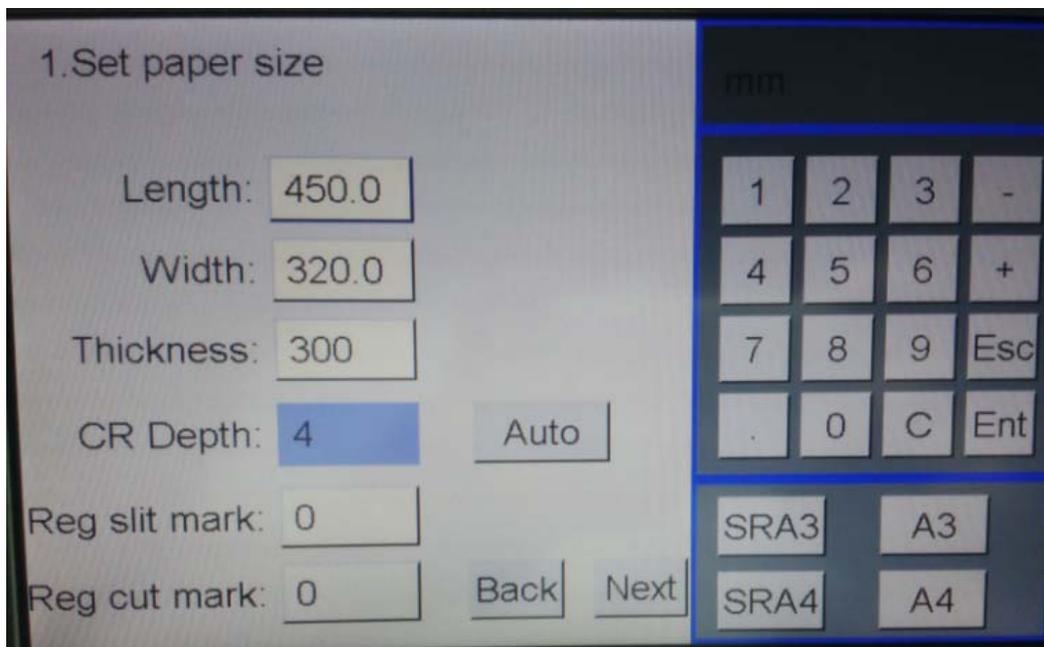
Example:

Card size: 90mmx200mm, Paper size: SAR3, thickness: 300gsm.

Crease in the middle, partial perforating from middle to tail.

Lead trim: 10mm; side trim: 15mm; Gutter cut: 30mm; Gutter slit: 10mm.

5.6.2.1 Set Paper Size



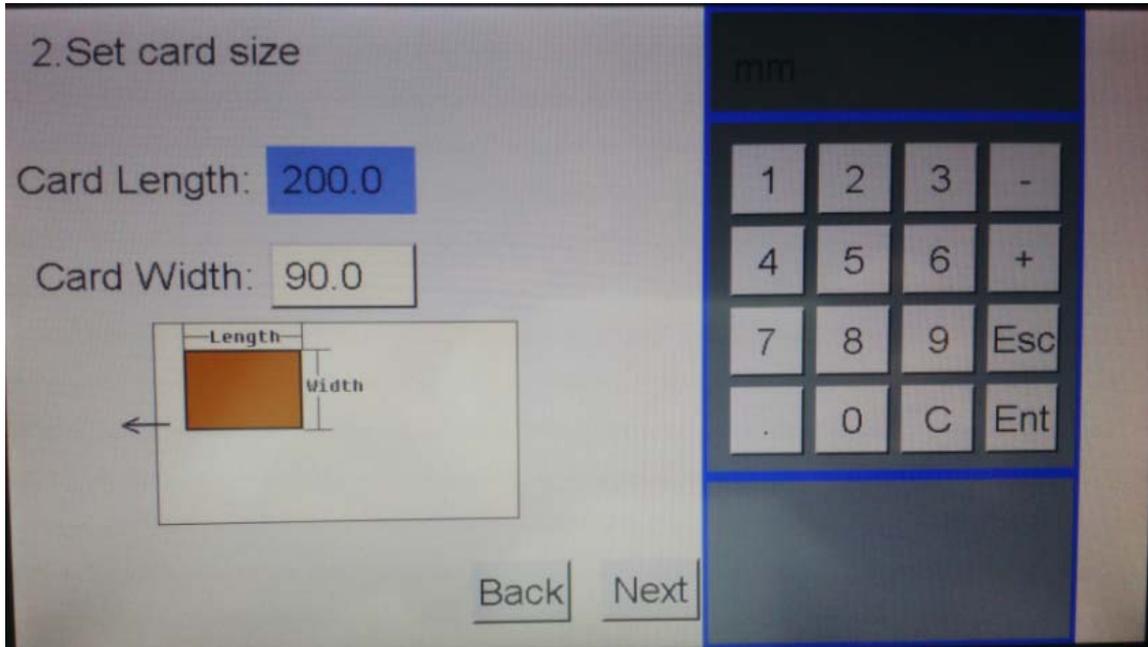
Press **SRA3** shortcut key to input length and width or input data (450,320) by keyboard.

Input thickness data 300.

Press **Auto** shortcut key to select CR Depth level or input data directly by keyboard.

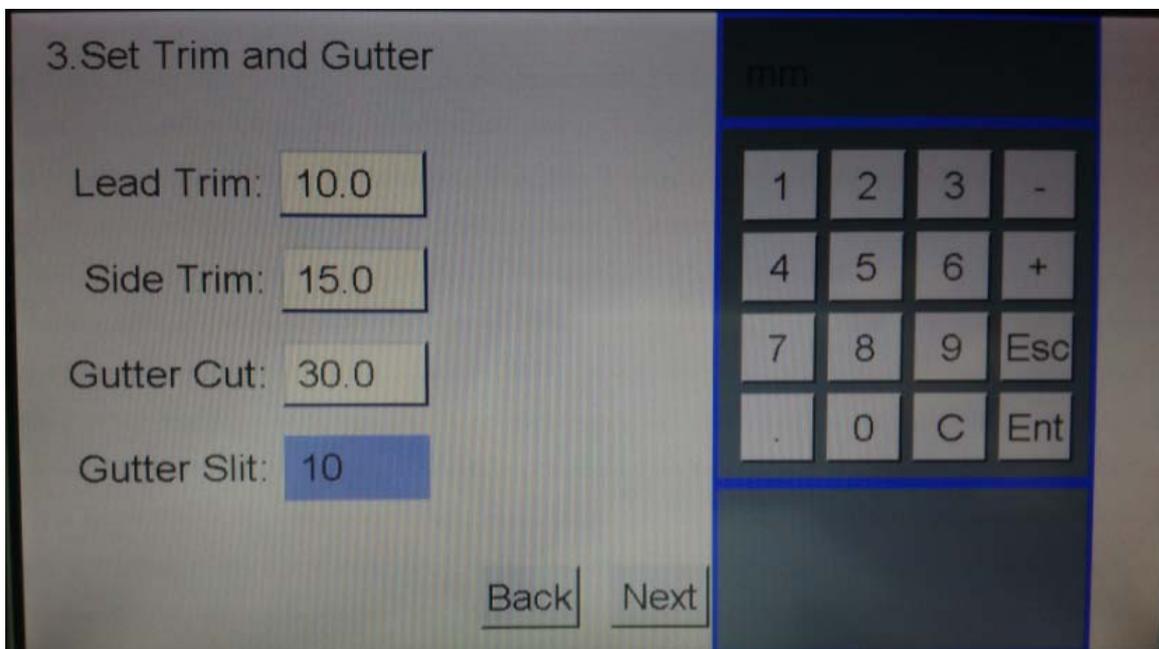
Press **Next** icon to the next page setting card size.

5.6.2.2 Set Card Size



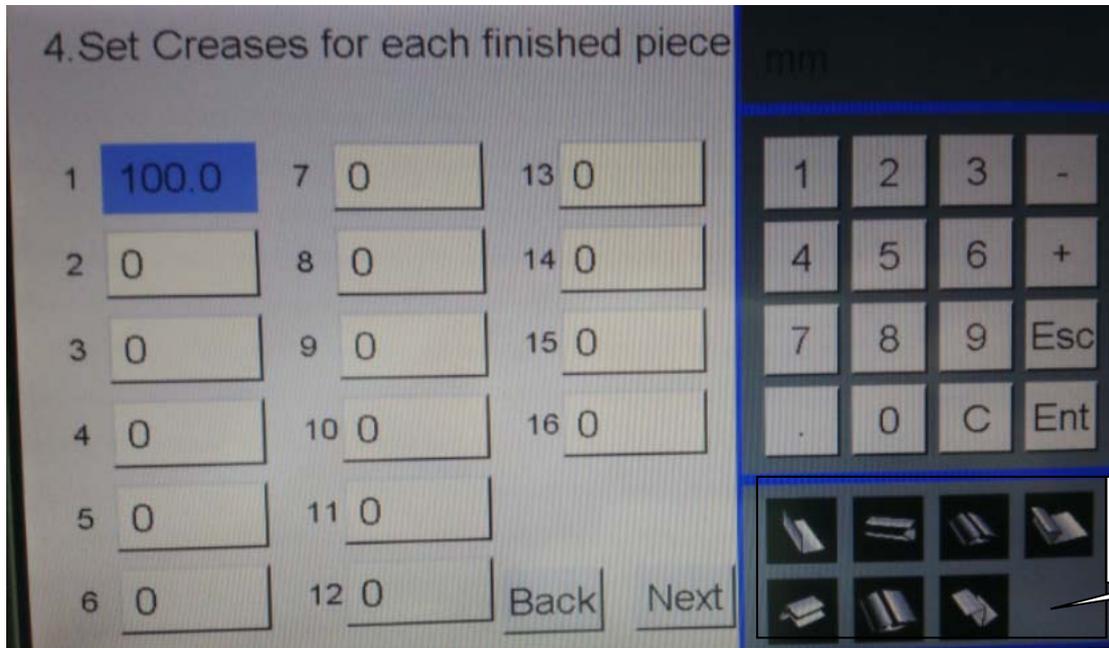
Input the card size data and press **Next** icon to set trim and gutter.

5.6.2.3 Set Trim and Gutter



Input the trim and gutter data, press **Next** icon to set crease/ perforating data for the cards.

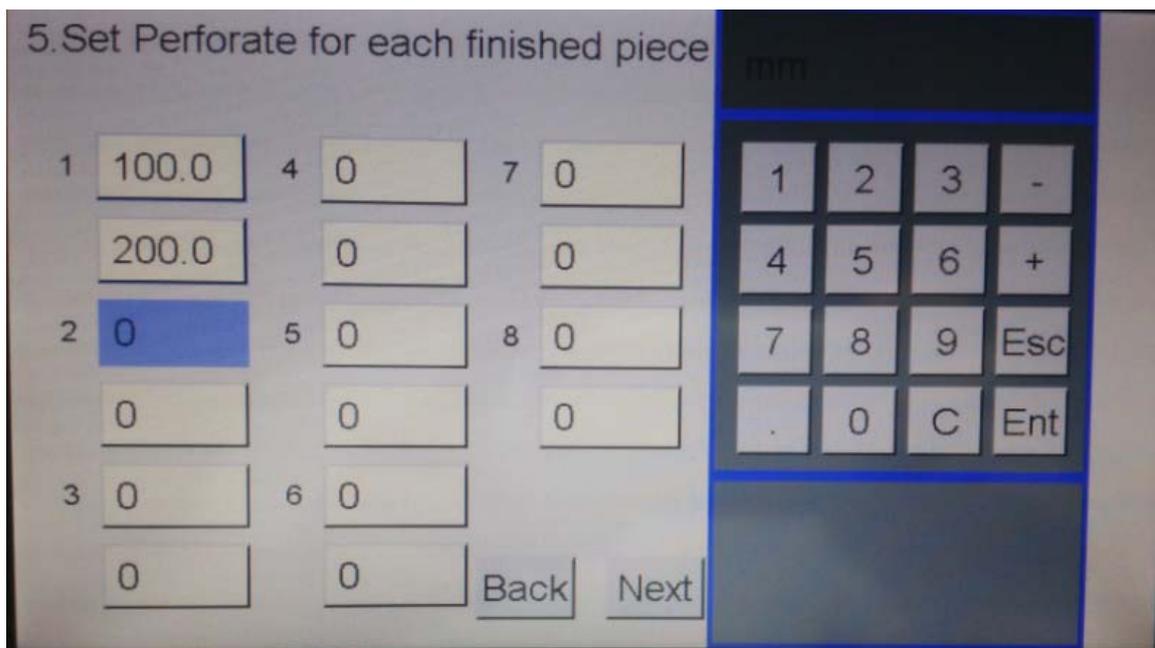
5.6.2.4 Set Crease for Each Finished Piece



Press **half fold** shortcut key to set crease data or input the crease data by keyboard directly.

Press **Next** icon to set partial perforating data for each finished piece.

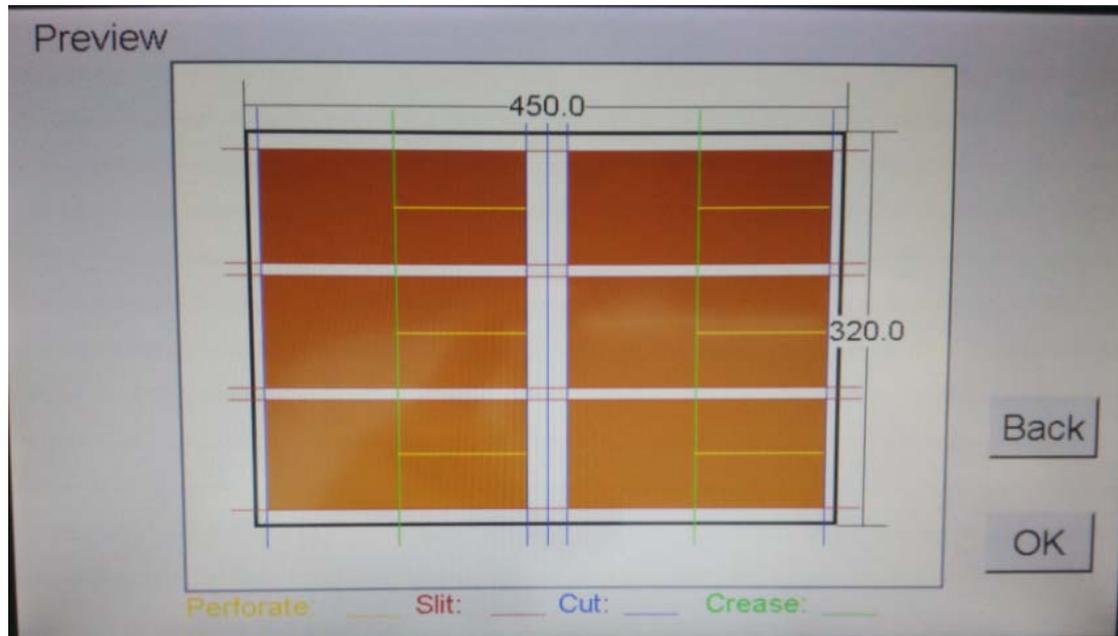
5.6.2.5 Set Partial Perforating Data for Each Finished Piece



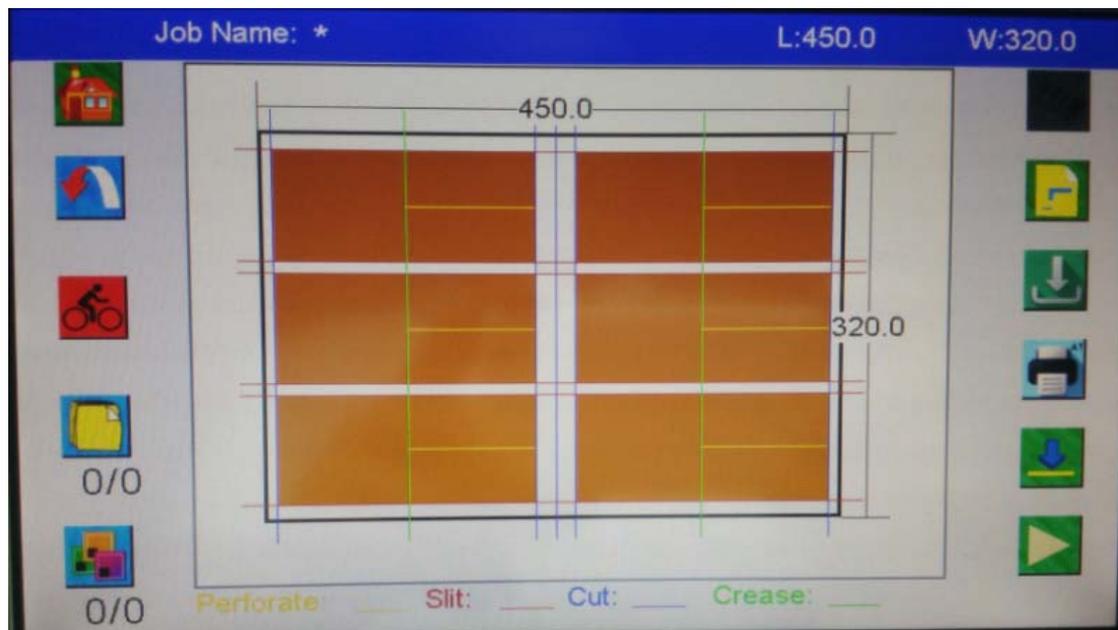
Input the partial perforating position data by keyboard.

Press **Next** icon to preview for the template.

5.6.2.6 Preview for the Template



Check if the template is same with the sample. If not, Press **Back** icon to check the setting process again. If yes, press **OK** icon to run the template.



Press icon  to data screen, and then press icon  to save template to the user template storage.

5.7 Save or Recall a Template

5.7.1 Save a Template



Press icon  to save template to the user template storage.

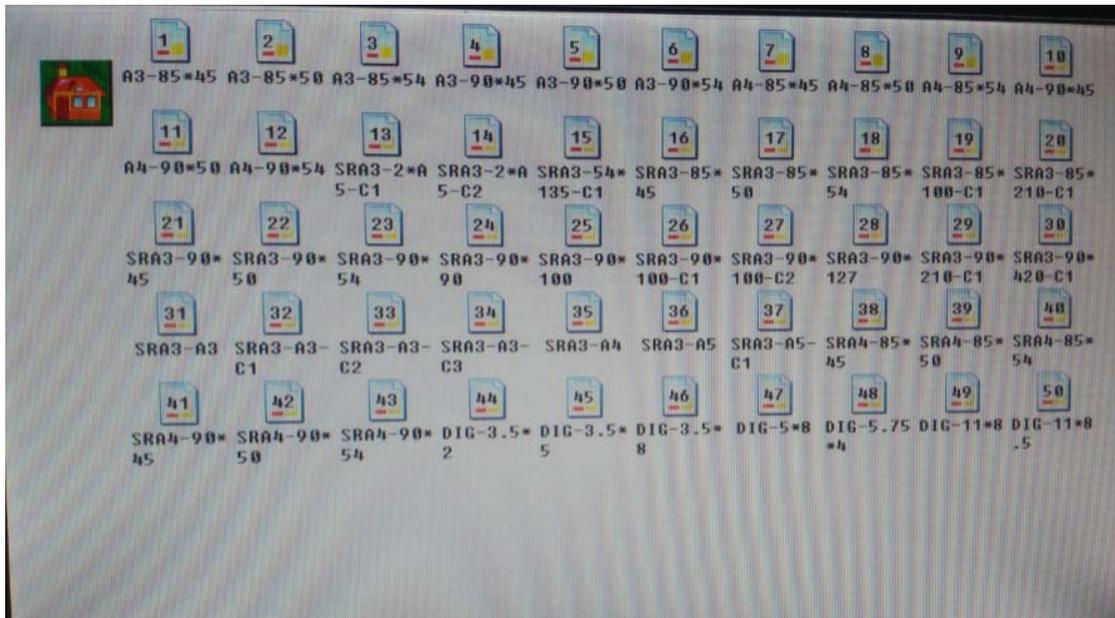
5.7.2 Recall a Template



Press icon  to recall a user template from the user template storage.



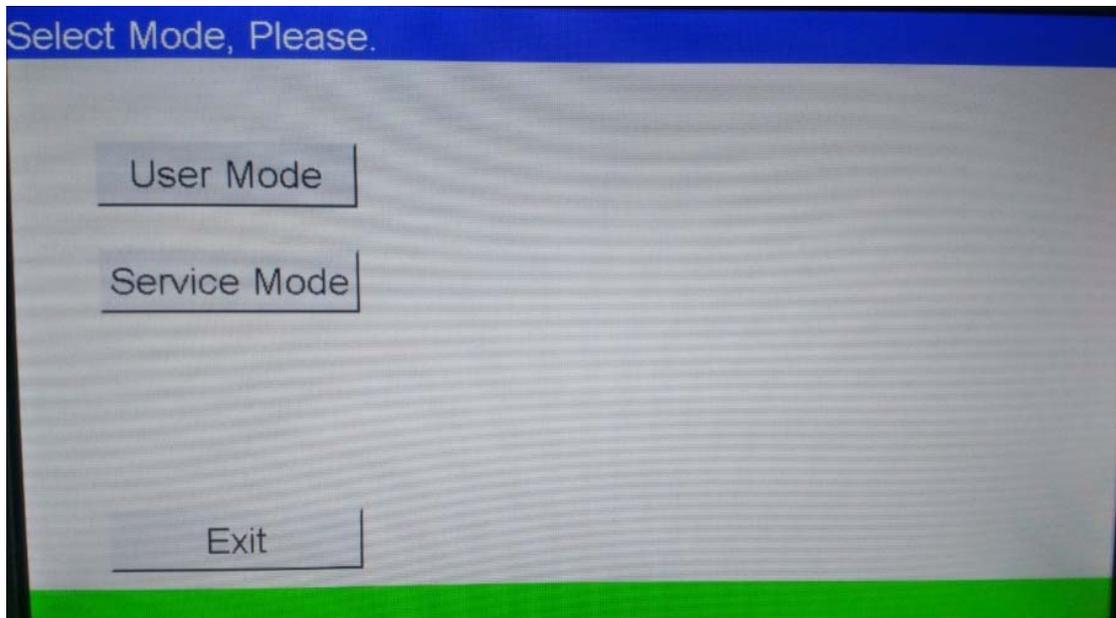
Press icon  to recall a factory template from the preset template storage.



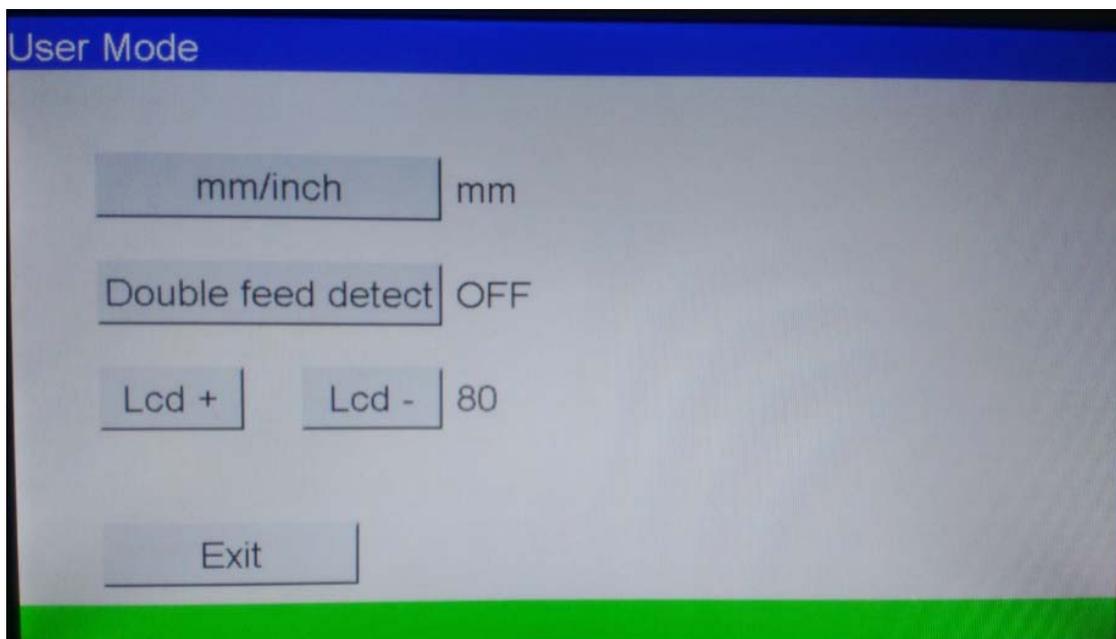
5.8 System Setting



Press icon , entering system setting screen.



User Mode: some common function for user.



As for Service Mode, please refer to the Technician Manual for details.

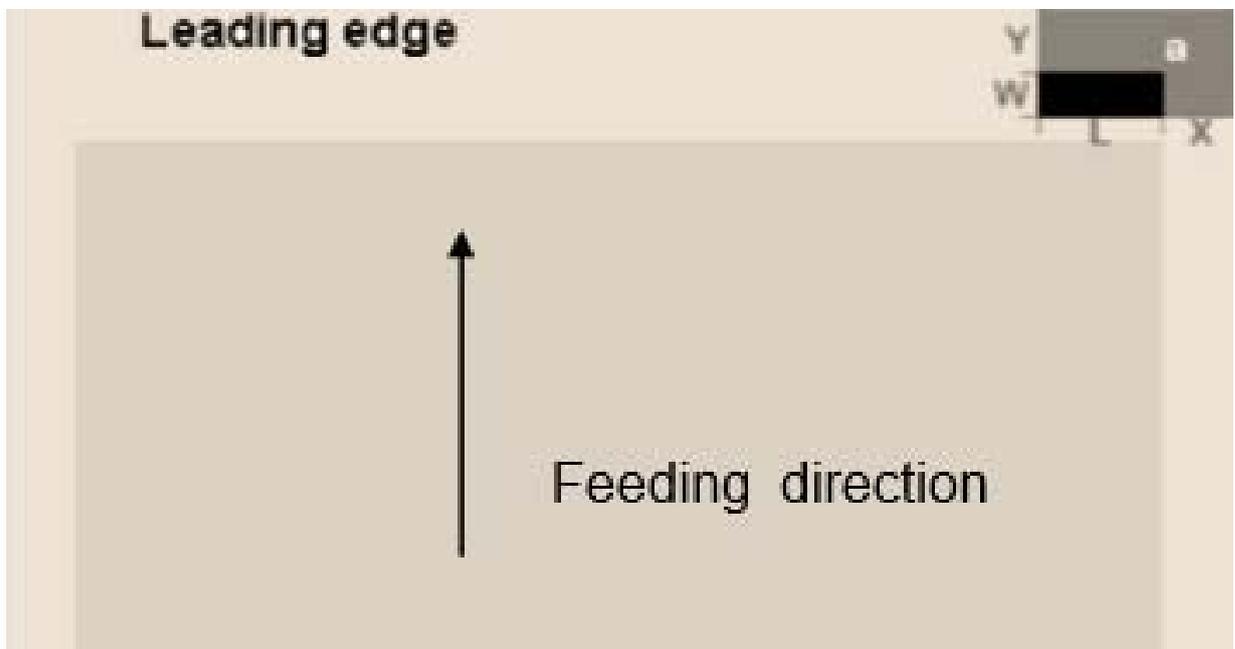
5.9 Feature Function

5.9.1 Register Mark

The register mark is much better for machine to position the images since that the register mark and images relative position is the same which could get rid of the shift caused by printing.

5.9.1.1 How to Create a Register Mark

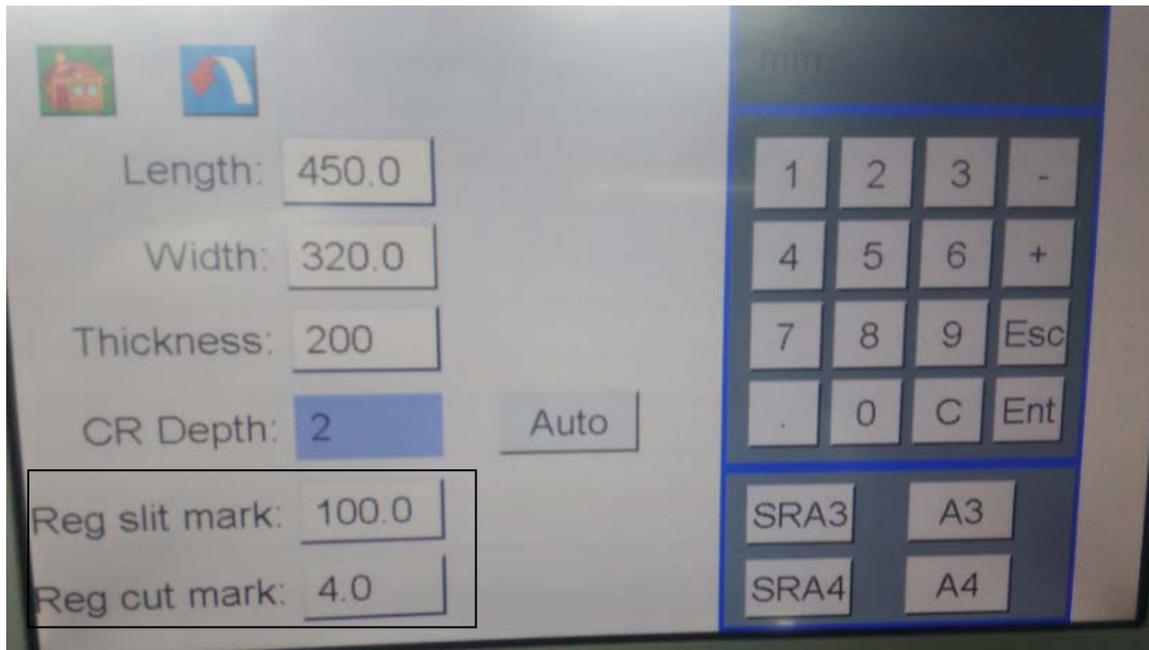
The register mark (black area) is always near the leading edge and right edge. The Mark register only work if it is in right size and right place.



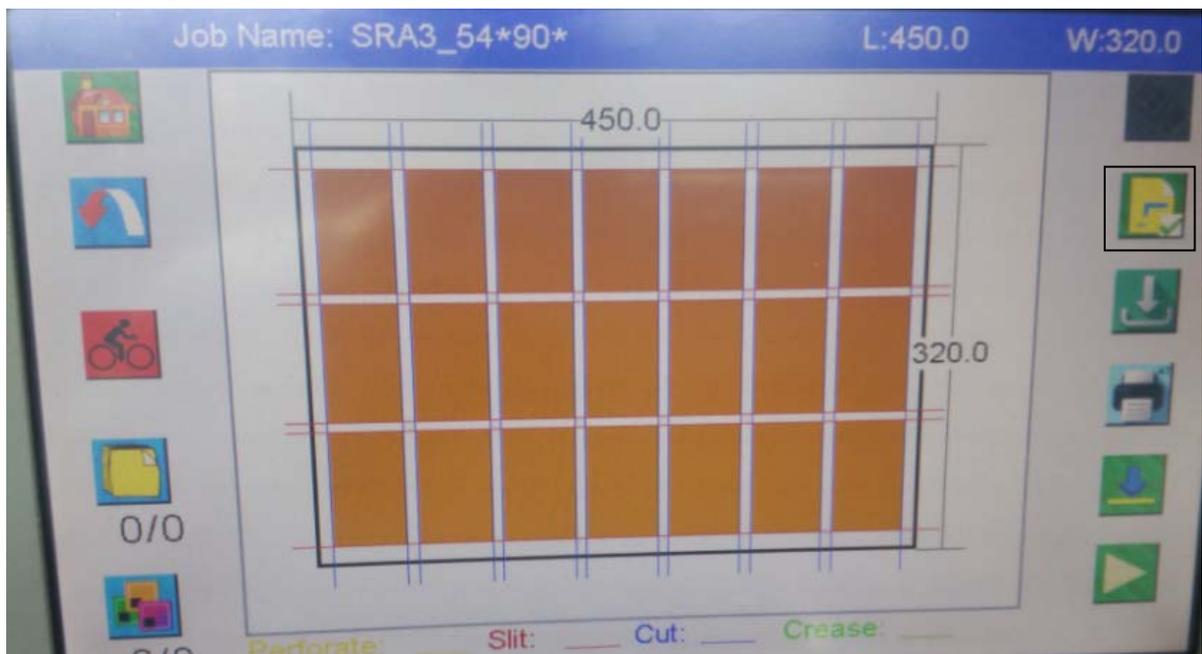
1. Reg slit mark(X) should be between 100-117 mm from the right edge of paper; Reg cut mark (Y) should be between 3-15 mm from leading edge
2. The black mark itself should be more than 3*5 (L>=5mm, W>=3mm)
3. All area above or right of the mark (Area 'a') should be blank, because other color may affect the mark reader.
4. The register mark reference point is the top right point of the mark.

5.9.1.2 How to Use Register Mark

1. Input the register mark position data which is from the printing template.
Such as when creating the register mark X is 100mm, Y is 4mm. Reg slit mark should be 100. Reg cut mark should be 4. All the data is theoretical value.

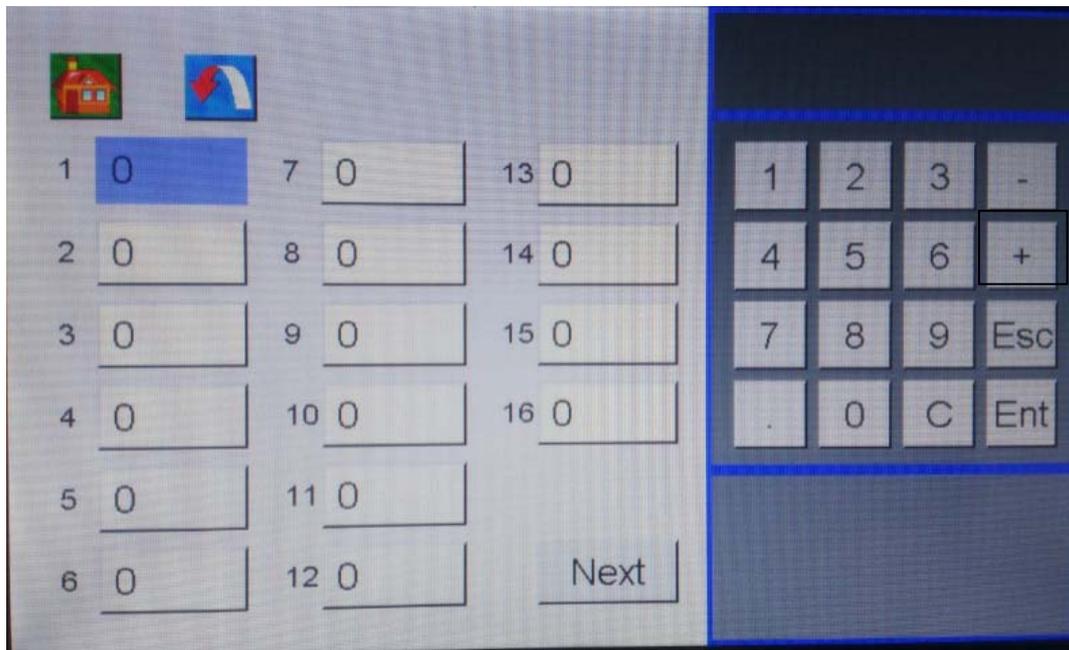


2. Select register mark function.

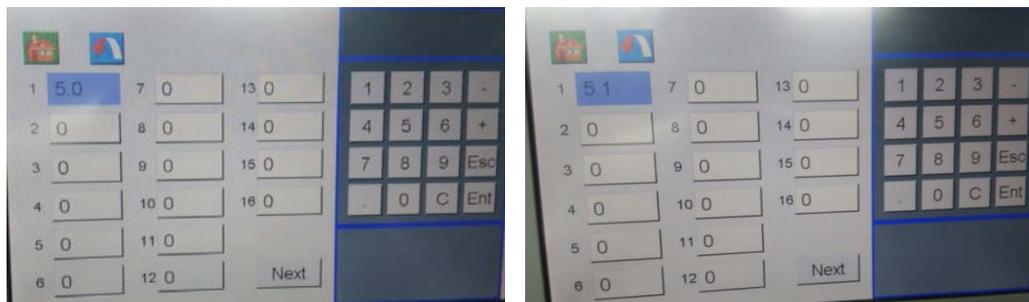


5.9.2 “+” Dual Function

The “+” icon in all the number keyboard of the machine is a dual function.

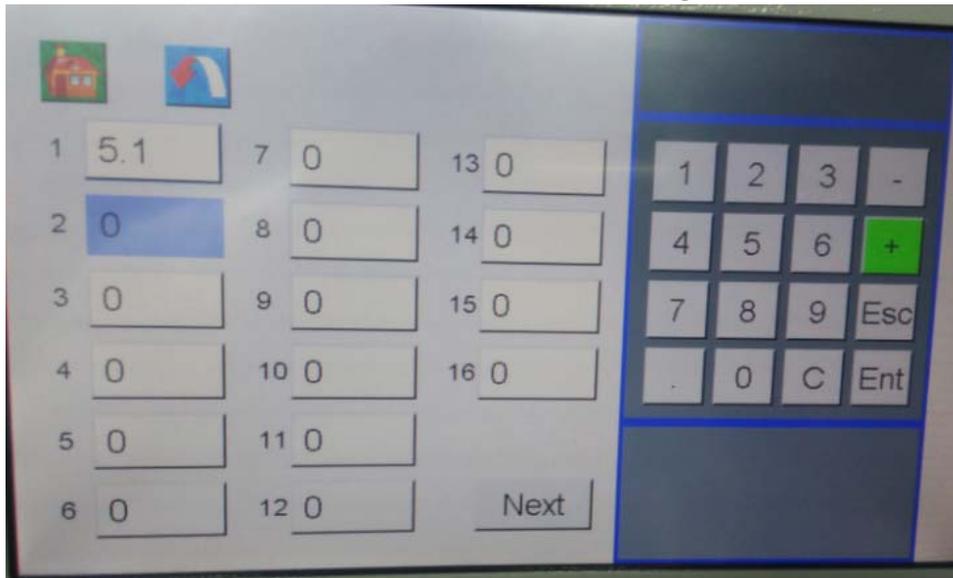


1. Click “+” icon once, the value will increase by 0.1mm or 0.001inch. Such as: Origin value is 5, click + once, it turns to be 5.1.

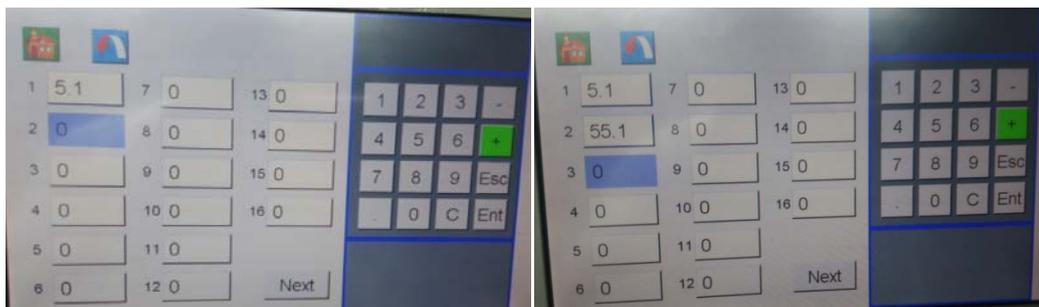


Click “-” icon once, the value will decrease by 0.1mm or 0.001 inch.

2. Press “+” icon for 3 seconds, the icon turns green.



Such as: Origin value is 5.1, input value 50, and the click ENT icon, it turns to be 55.1.



Chapter 6 Options

6.1 Option Tools

6.1.1 Slide-in Tools



There are 2 kinds of cross bar, Crease tool and Perforate tool.

To make the sliding easy, we install the screw on the bar.

For Crease tools, 1.0mm version is standard, Optional version is 0.6mm, 1.2mm, 1.4mm

For Perforate tools, there are 8 TPI, 12 TPI and 24TPI version, all are for option.

6.1.2 Linear Tools



Slitter

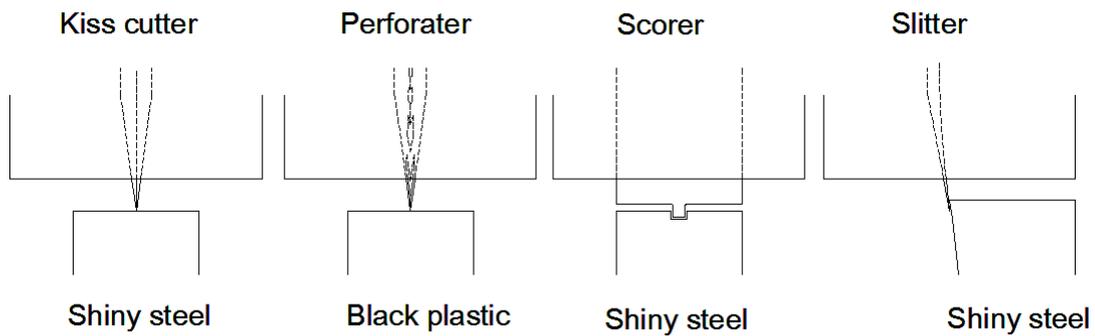
Perforator

Kiss cutter

Scorer

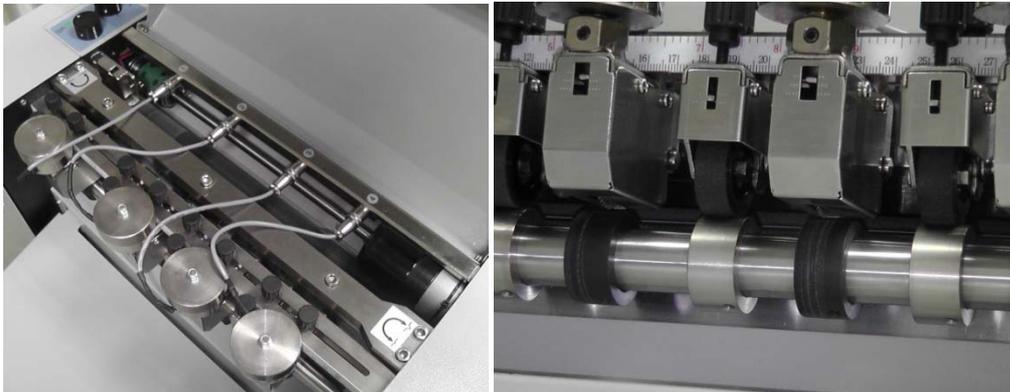
There are 4 kinds of linear optional blades, Scorer, Perforator, Kiss cutter and

Slitter. Each tool consists of blade and anvil.



6.1.3 Strike Perforator

This tool is for the partial perforating.



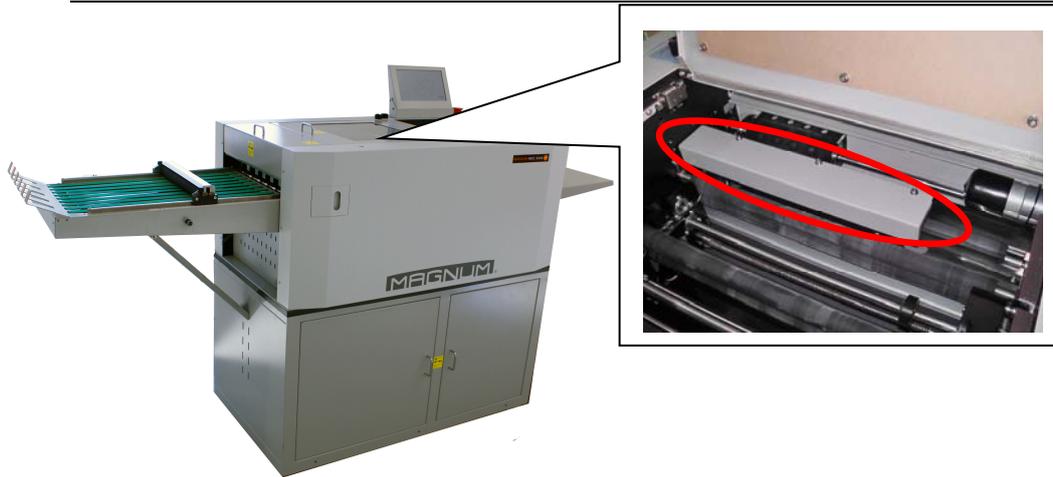
6.2 Option Function- Barcode Reader

6.2.1 Why need barcode reader?

In traditional automation machines for print finishing jobs, even if the machine is programmable to apply to different kinds of job, the machine is hardly intelligent enough to tell the difference between the jobs human intervention has to be done with the process when the job should be changed.

Barcode reader is a solution of this kind of intelligence upgrading. If a machine is equipped with barcode reader, and corresponding barcode is printed near the leading edge of each sheet, the machine will know what and how many to do in following jobs after the information in the barcode is read into the CPU.

So that the machine become much more intelligent because it even don't have to be programmed, and no need to change anything while the job is changing. Human just put sheets on the loading table, machine will make everything else perfectly.



6.2.2 What is barcode?

A barcode is an optical machine-readable representation of data relating to the object to which it is attached.

Originally, barcodes systematically represented data by varying the widths and spaces of parallel lines, and may be referred to as linear or one-dimensional (1D).

Later they evolved into rectangles, dots, hexagons and other geometric patterns in two dimensions (2D).

In M a g n u m Slit-cut creaser, we use only **1D** barcode in near future, which is based on **code39**.

6.2.2.1 Code 39

Code 39 is one of the protocols that define symbols as barcodes. The definitions are as following:

Each code consist of 9 bars, 5 in black, 4 in blank.

In 9 bars, only 3 are wide, others are narrow.



Left drawing is an example of barcode. 9 bars, rightwards, are coded from 1-9,

As we can see 5 black bars (Nr. 1 3 5 7 9) , 4 blank bar(Nr. 2 4 6 8)

3 bars (Nr. 2, 5, 7 are wide and other 6 are narrow.

If this bar is read, system will take it as star symbol “*”

In Magnum barcode, Wide bar is 1mm wide, narrow is 0.5mm wide.

6.2.2.2 Definition of a complete Magnum barcode.

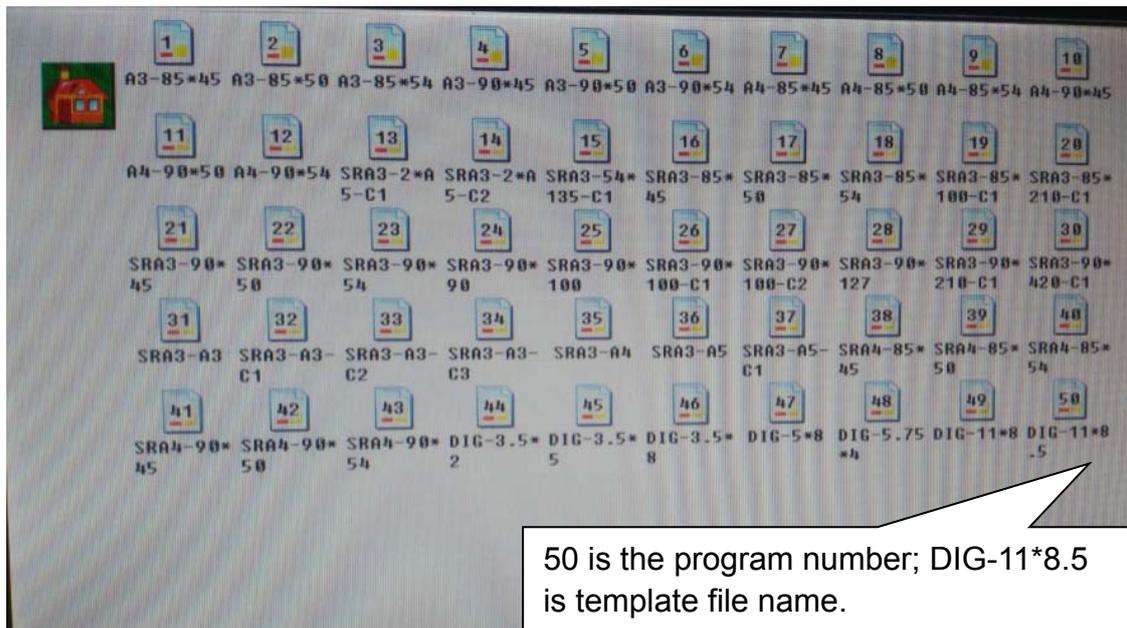
A complete barcode for Magnum machine consist of 7 symbols:



Symbol 1. Each code is started with a star symbol “*”.

Symbol 2,3,4. Program Number:

The data that controls slitting/cutting/creasing position is saved as files, Factory set program are coded ranging from 1-64, User saved program are coded ranging since 165-228. Once such a number is read, corresponding file will be recalled.



Mind that the code should be triple digit, if it is less than 100, insert a zero(0) before that ,say 065, if it is less than 10, insert 2 zeros(00) before that, say 002.

Symbol 5, 6. Qty for each job

This 2 number is the sheet qty for this job.

Mind that the code should be double digit, if it is less than 10, insert a zero (0) before that, say 06.

7. Each code is ended with a star symbol “*”.

6.2.3 How to create barcodes?

Barcode can be input by keyboard, the point is that user should install a True type Font of code 39.

Step1: Load on http://www.barcodetrader.com/bct_scan_barcode.asp

Click the icon in red square, save the file *code39.ttf*

BarCode Trader BCT Scan, Free Code39 Font Home

If you don't need high volume printing or specialized thermal transfer labels, you can download this free Code39 font and use it to print barcode labels right on your own ink jet or laser printer.

Download this font (Code39.ttf)

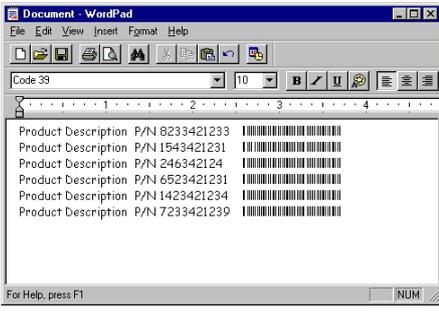


Please review the instructions below after you have downloaded the Code39.ttf

You can use the font in Microsoft Word/Excel to print out your product lists on your own labels. You can get white, clear, or even specialty labels at your local office supply.

We also supply companies with a Rent/Buy inventory/asset scanning system -> [BCT](#)

The font can be used just like any other font, see example:



Code39 Bar Code Font Installation:

- 1) After you have downloaded the Code39.ttf file, click on **START**, then **SETTINGS** in Windows.
- 2) Click on **CONTROL PANEL**, then double click on the **FONTS** icon
- 3) Click **FILE**, then **INSTALL NEW FONT**, the browse and find the Code39.ttf file
- 4) That's it. Next, review the **RULES** for using the Code39 font:

RULES:

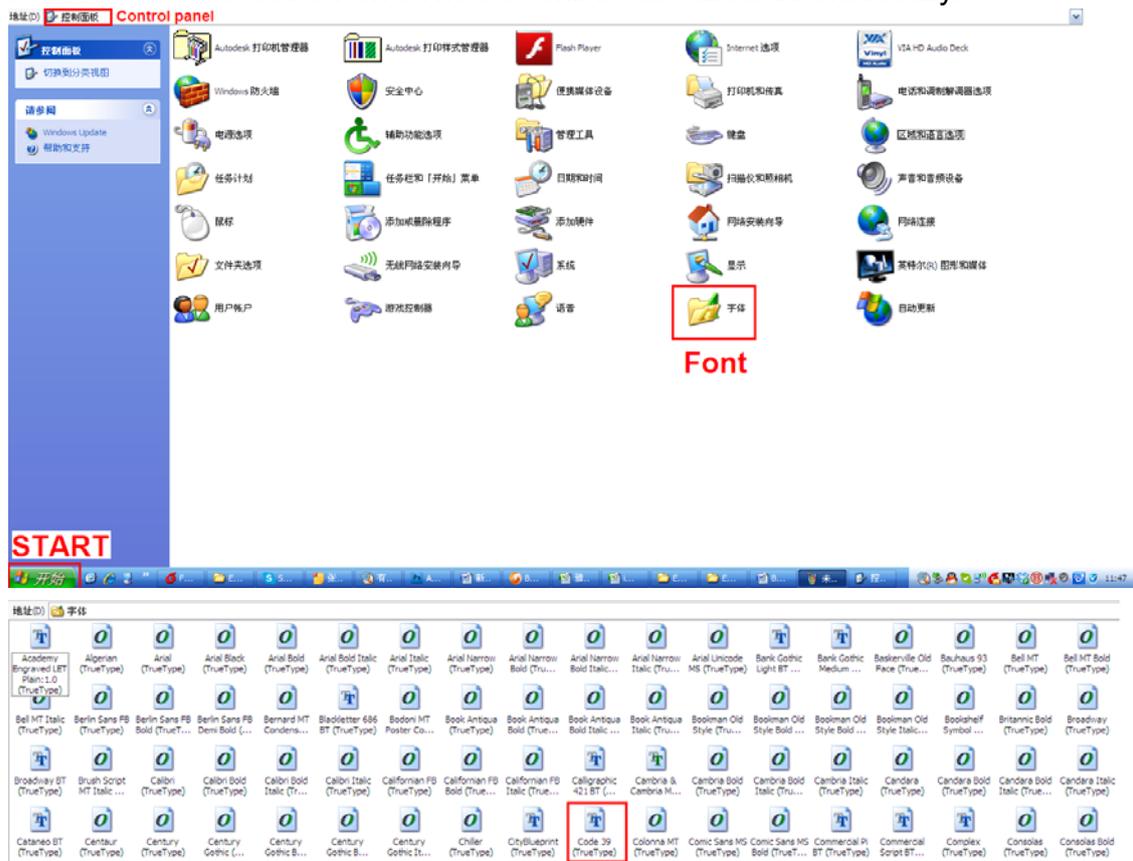
- a) You **MUST** use a * (asterisk) character **BEFORE** and **AFTER** each number. Example: *123456*
- b) You **MUST** use **CAPS** or **Numbers ONLY**
- c) The font is free but is not warranted, not guaranteed, and not to be sold, as it is "freeware"

Frequently Asked Questions:

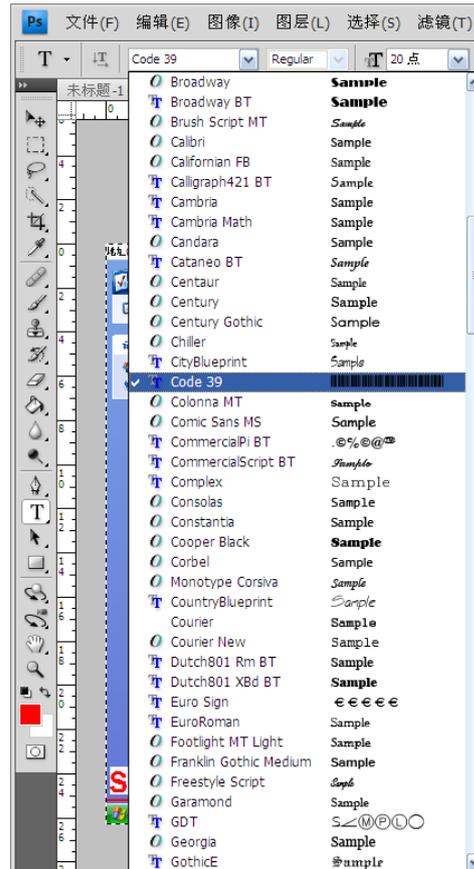
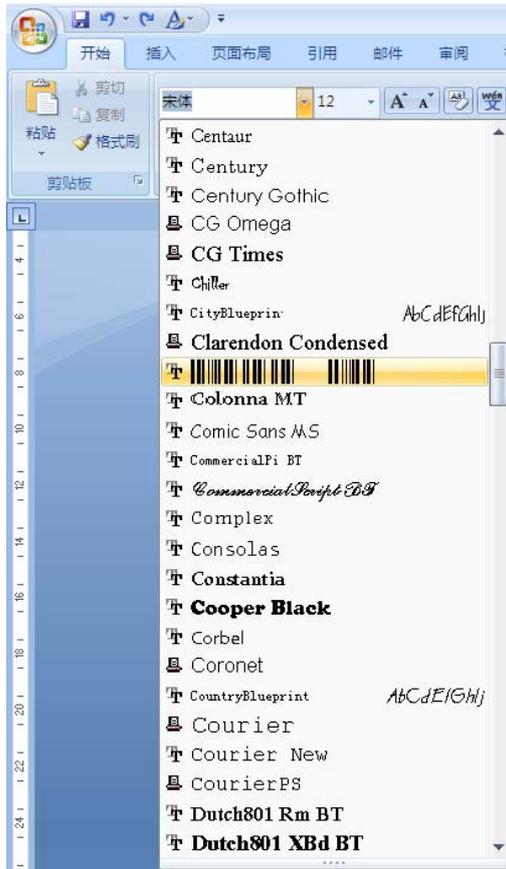
What kind of printer do I use? *Any printer with 300dpi or better, ink jet, laser, it doesn't matter*

Does it require special labels? *No, print on any paper, label, transparency, anything your printer will accept*

Step 2: Click **START** on windows, enter **CONTROL PANEL**, copy the **code39.ttf** to the folder **Font**. The font will be installed automatically.



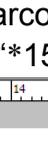
Step 3: Then, when you are using software that should be input text, like Word, Excel, Photoshop, Adobe etc. you will find Code39 in the menu of font.

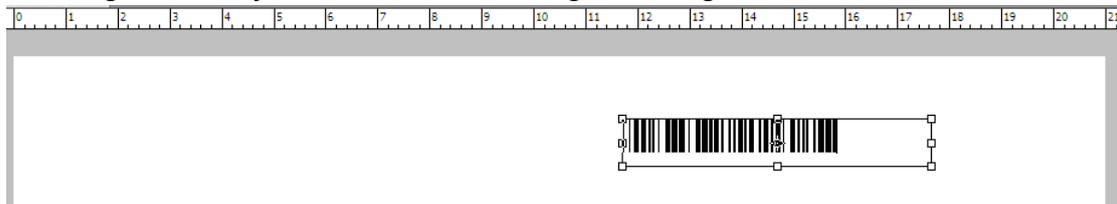


After this font is chosen, when you are click a key ,say “5” , there will be a barcode showing rather than a “5”

In Magnum barcode, Wide bar is 1mm wide, narrow is 0.5mm wide. The width will be exact if you choose 21 font size.

Step 4:At last ,when you are making the layout with any software, remember to edit barcode on the specified area

Fox example, if this layout is for program Nr 152, and there are totally 50 sheet, you choose code 39 font, input *15250*, and the barcode “” is showing on the layout, rather than the figure string “*15250*”



6.2.4 Where should the barcode print on the layout?

Magnum barcode is 6.5-7 mm high and 45-46 mm long, as below.



Barcode reader should leave 3-20mm away from the leading edge and 144-153mm (suggested 148mm) away from the right side as below.

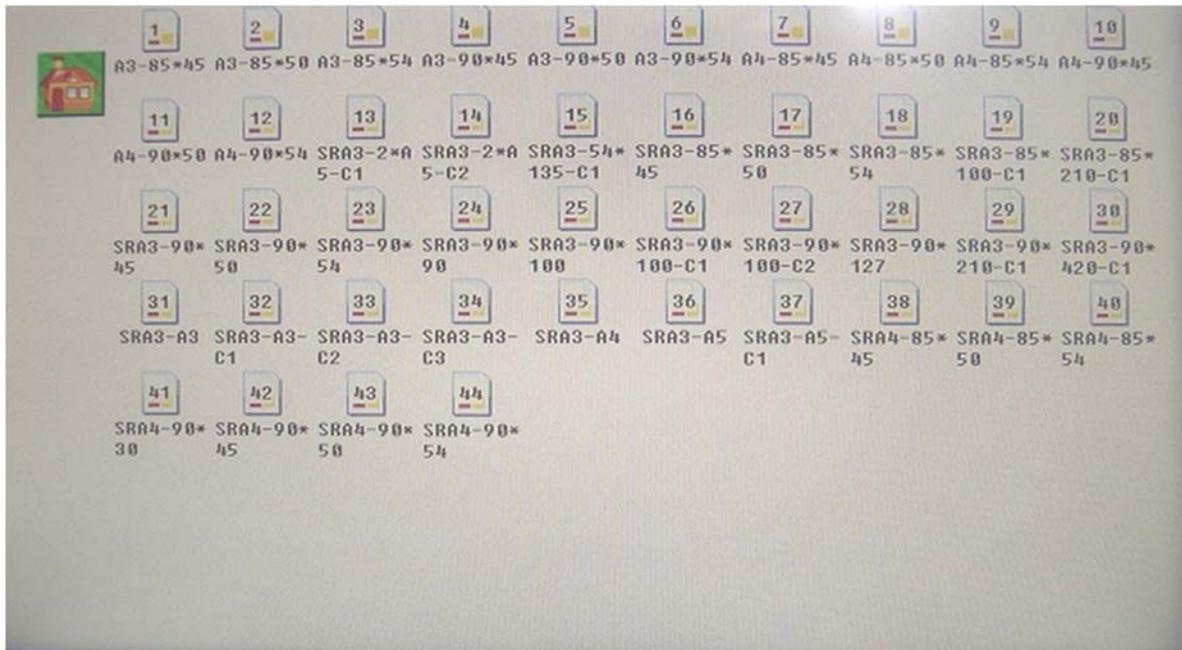


6.2.5 How the barcode work?

1. Originally, barcode read find a barcode and read the values.

Star symbol at the front and the end of the string tells the system that the numbers between them is valid, or all value will be ignored.

First 3 values will points to the program number that will be recalled. For example, If the symbols are read as “* 1 5 4 2 0 *”. then Nr.154 program will be recalled into the system, Values will show in the screen, slitter will move into the right position as per the slitting values, cutter and crease/perforate die will move at the right position as per the values, All the program Nr. are illustratively marked on the file icons when you are operating on the screen.



Rest 2 values will be taken as the max counter of this job.

Also take the above example “* 1 5 4 2 0 *”.

Machine will count the job after a sheet is completely passed. Before the counter reach 20, no barcode will be read. But after 20 is reached, the barcode reader will work again on the following single sheet, new program will be recalled.

Chapter 7 Trouble Shooting

7.1 Show warning C-4, C-6, C-7,C-8

C-4 Crease unit cover open.



C-6 Crease unit side cover open.



C-7 SC unit safety cover open.



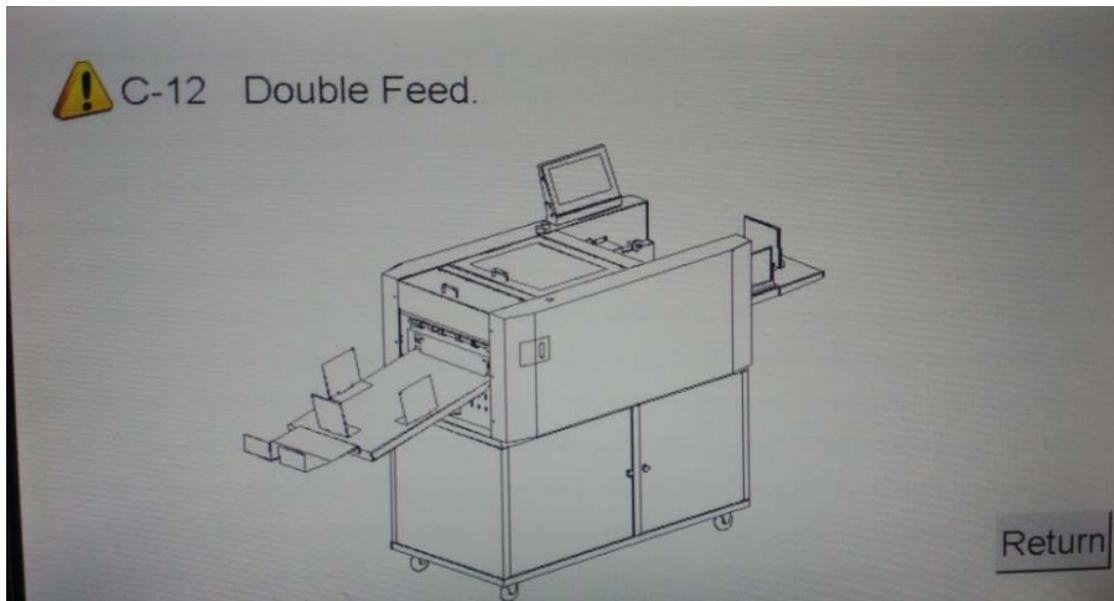
C-8 SC Unit waste bin door open.



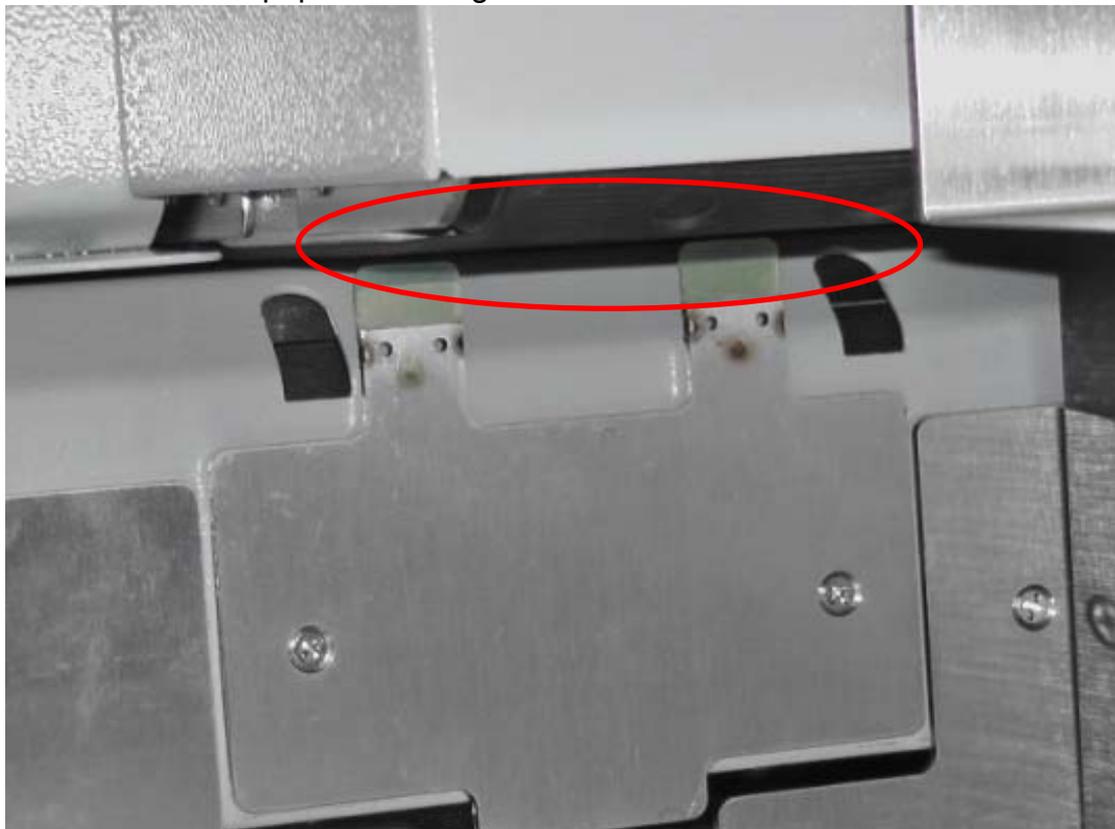
Please check corresponding cover is closed well.

7.2 Show warning C-12

C-12 Double feed.



1. Check if it is really double feed. If yes, adjust the gap between separator and vacuum belt by paper separator knob. Adjust the air blast knob to make sure the paper is floating.



2. If not, check if the paper size is correct.

7.3 Show warning C-9

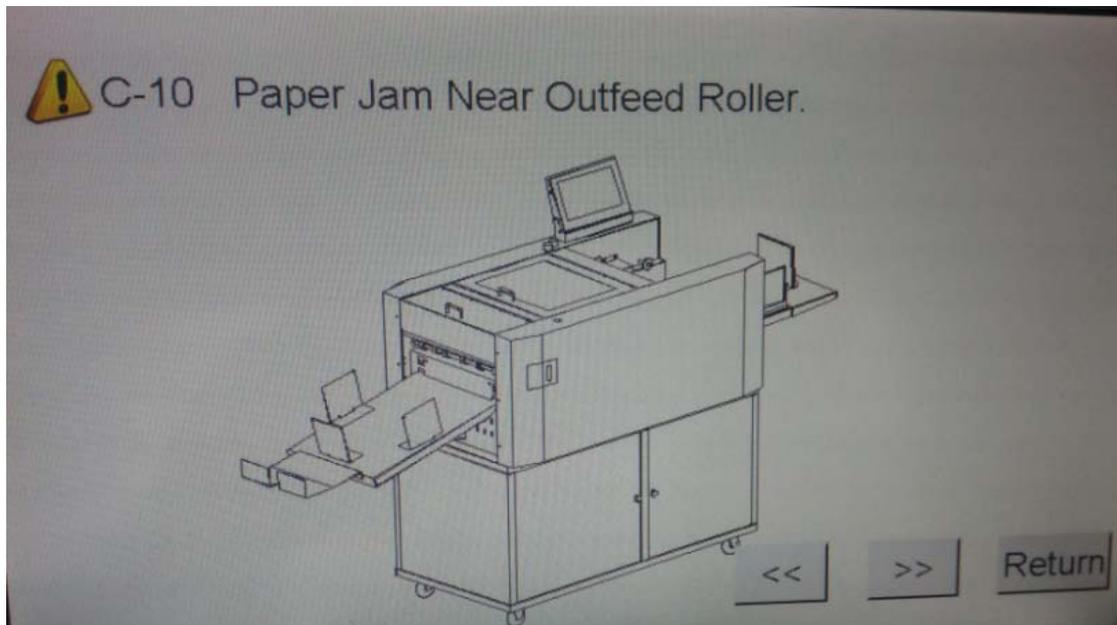
C-9 Paper jam at infeed table.



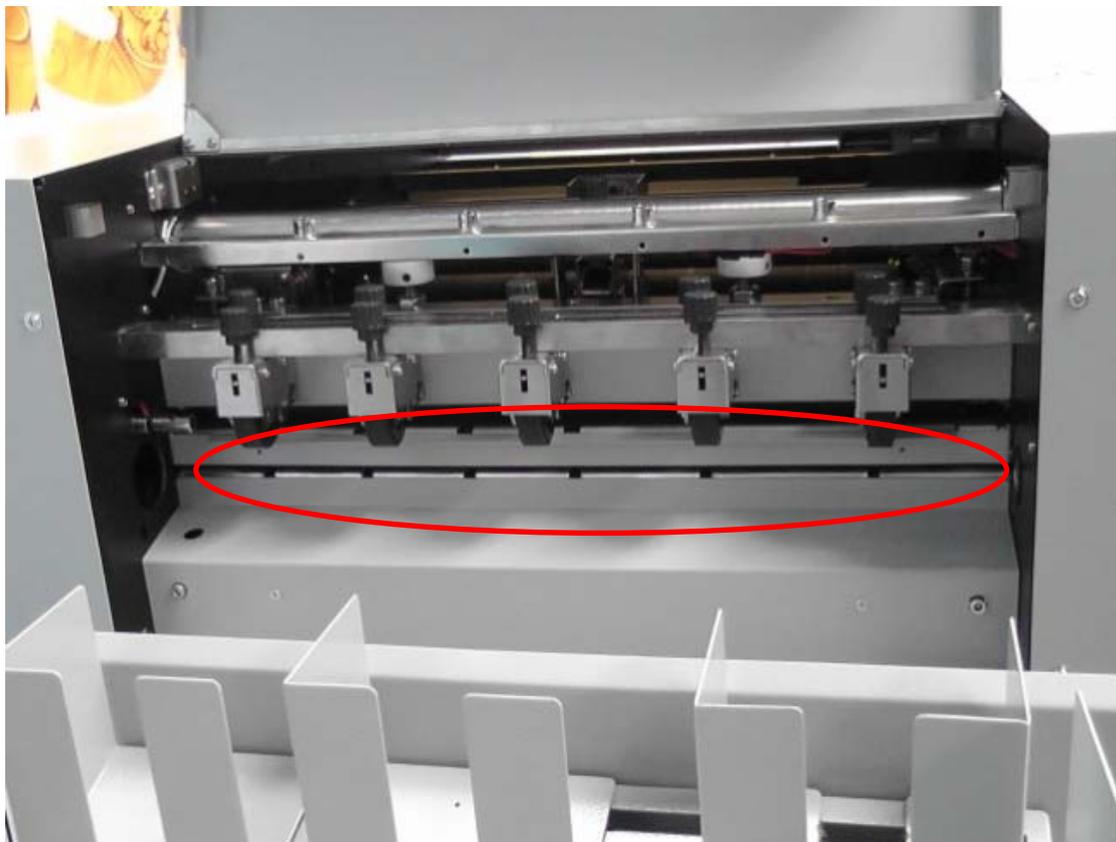
1. Clean the paper dust by air gun on the sensor.
2. Adjust the gap between separator and vacuum belt if they are too close.
3. The side guide keeps too tight.



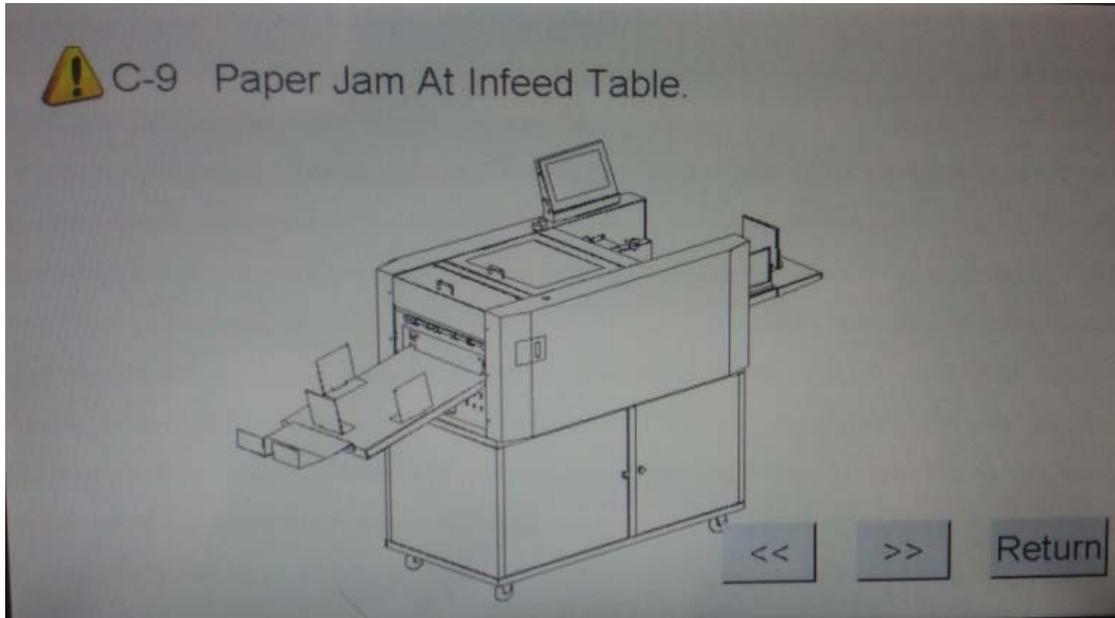
7.4 Show warning C-10



1. Clean the jam paper between the out feed roller.
2. Clean the paper dust by air gun on the sensor.



7.5 Don't show warning C-2 when tray empty



Clean the paper dust by air gun on the sensor.



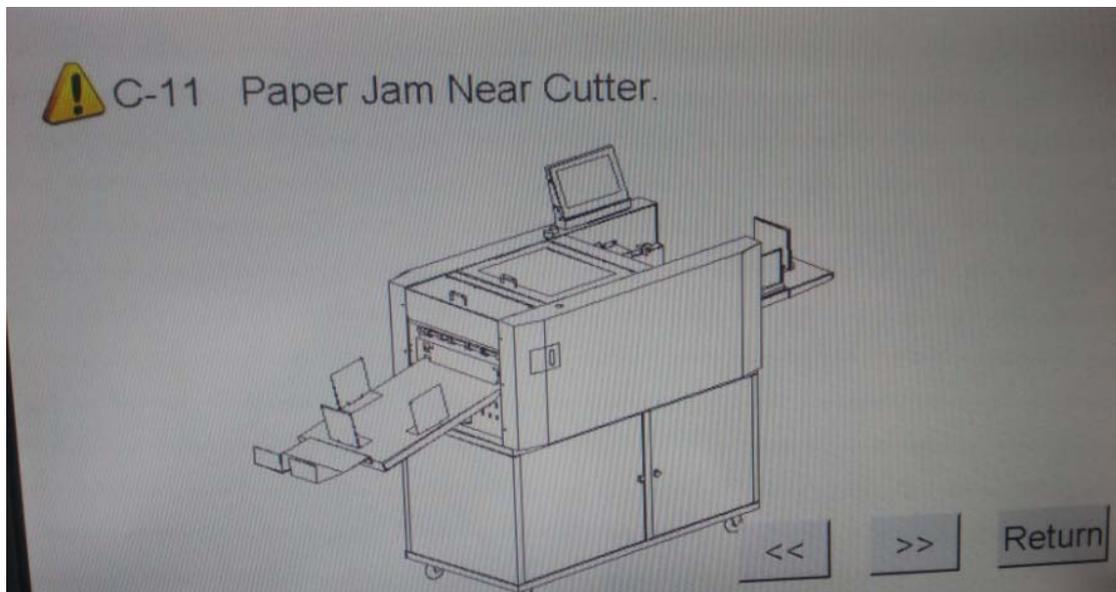
7.6 Show warning C-5



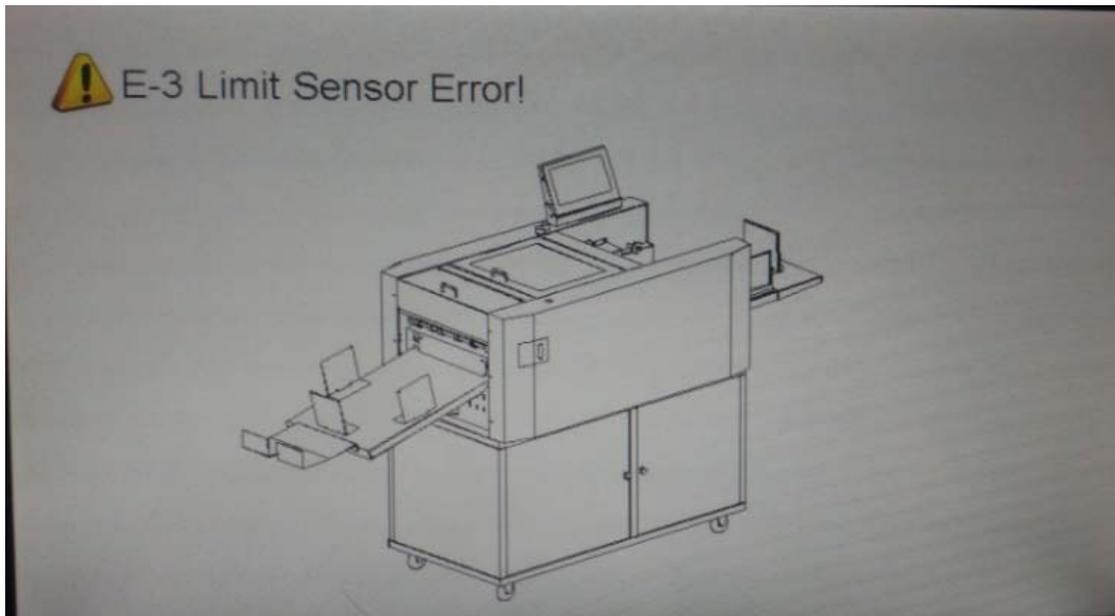
Please check if the crease/perf. die is in place.

7.7 Show warning C-11

C-11 Paper jam near cutter.



7.8 Show Error E-3



Load too much paper at one time, the pile height is over 100mm, remove some paper from loading table.

7.9 Show Error E-2

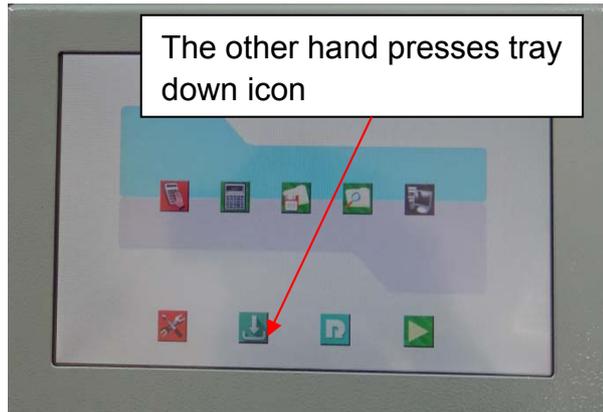
E-2 Elevator Error



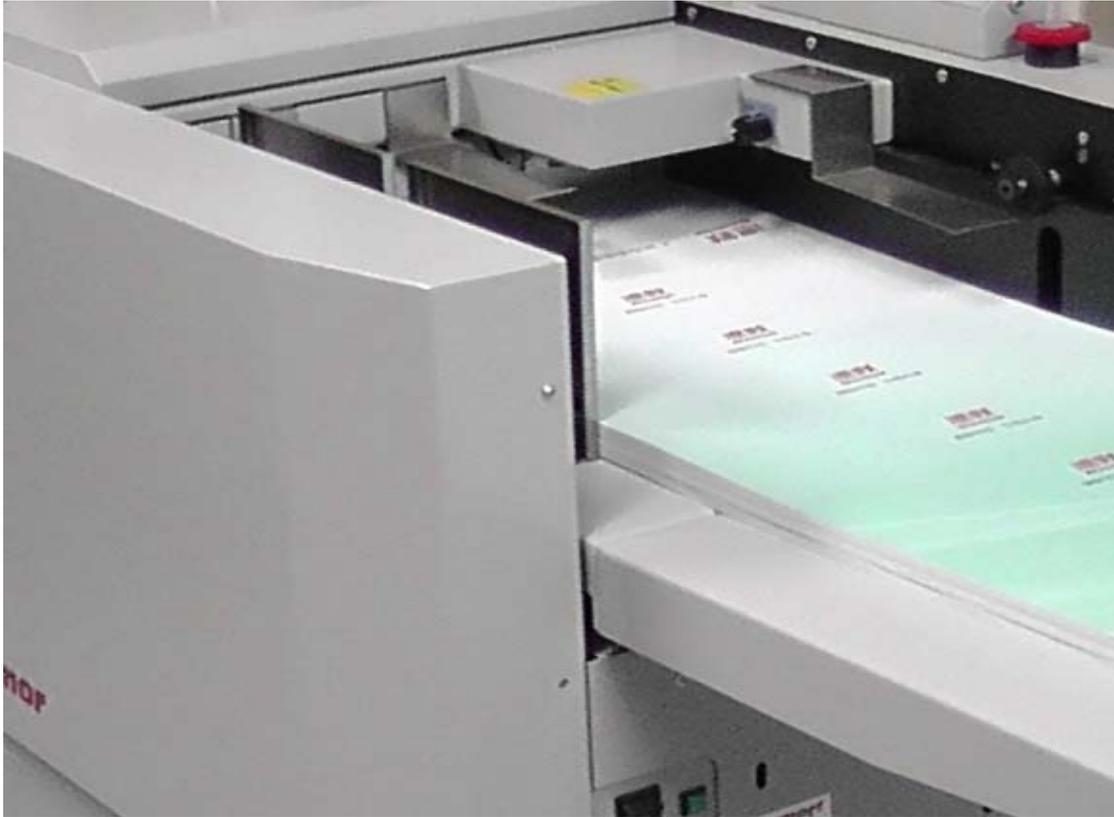
1. The loading table is at the top position, showing error E-2.



Step: Restart machine, one hand keeps pressing the **Releasing Button**, the other hand operates the touch screen pressing **Tray Down** icon, the tray will go down to lower position.



2. The loading table is at the lower position, showing error E-2.

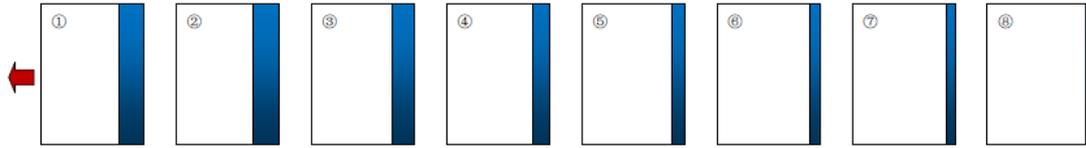


Step: Restart machine, one hand keeps pressing the **Releasing Button**, the other hand operates the touch screen pressing **Start** icon to run machine and loading table will go up.



7.10 Images Shrink/Stretch or Shift Caused by Printing

The cards in same column are like following picture:



Solution: Use Image compensation function

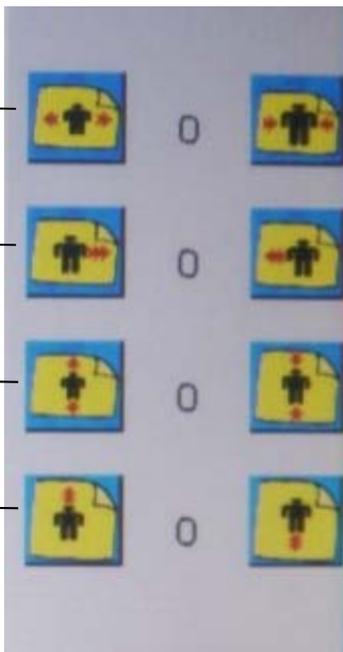


All cut data increases by 0.1% for each click.

All cut data increases by 0.1mm for each click.

All slit data increases by 0.1% for each click

All slit data increases by 0.1mm for each click.



All cut data decreases by 0.1% for each click.

All cut data decreases by 0.1mm for each click.

All slit data decreases by 0.1% for each click

All slit data decreases by 0.1mm for each click.

Step: Assume the first card is the standard card. The later card's color edge is smaller and smaller.

1. Open the register mark function if the register mark has been printed onto the sheet.



2. Click the icon  to increase the cut data by 0.1% each time and run one sheet to check until the color edge is nearly the same.

3. If the color edge is nearly the same, but the color edge is bigger than



standard card. Click the icon  to decrease cut data by 0.1mm each time and run one sheet to check until it reaches correct size.

! More information for repairs referred to technician manual.

Chapter 8 Maintenance

Maintenance is important for machine. Essential maintenance is in favor of use life and efficiency of machine. It consists of user maintenance and technician maintenance.

User maintenance

Clean the roller with wet cloth and infeed, outfeed sensors with air gun while machine used for long time.

Meanwhile the working environment should be clean and dry, as well as no light shining directly.

Technician maintenance

Do the technician maintenance regularly is also very important. It mainly finished by technician, including checking the wear and tear parts, replace the broken parts, adding lubricant and so on.

More details referred to technician manual.

Warranty & Incorrect Use

IMPORTANT INFORMATION

Your MCC-35AS should reach you in perfect condition and is guaranteed for 1 Year from date of purchase covering defective parts and general wear and tear, this does not cover film jams, misfeeds or other operator related errors, which would be chargeable.

Your MCC-35AS is covered against manufacturing defects, it does not cover against any damages caused by misuse.

Your warranty will be void if the system has been modified by a third party not approved by the manufacturer (Vivid Laminating Technologies) to carry out such alterations.

E&O.E

