FP-10H/FP-20H/FP-30H DIGITAL FOIL PRINTER
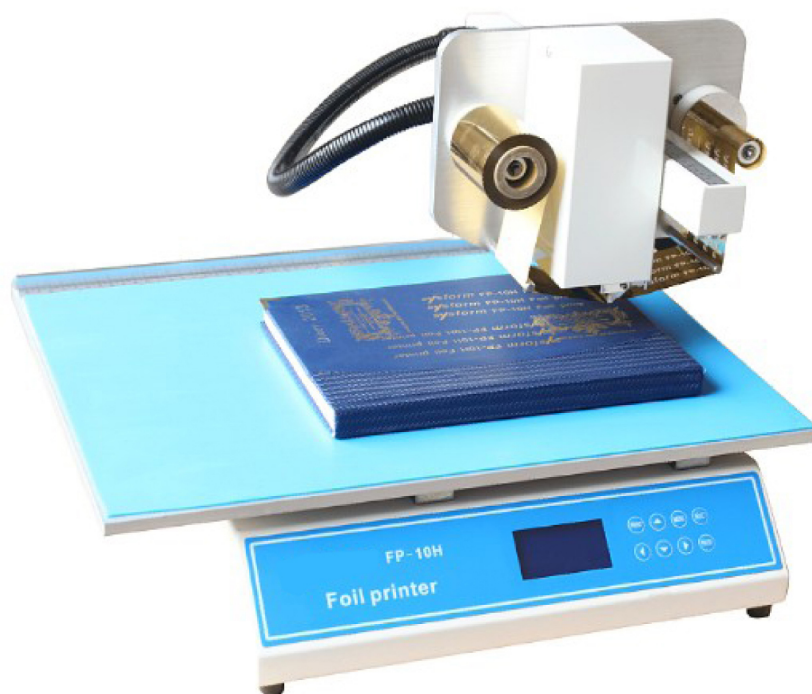
OPERATING MANUAL

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Note : Design the printed words or pictures using CorelDraw, AI or Photoshop …etc…any software in computer and save in SD card with BMP format (file name should be numerical character or English character) then insert foil printer for printing.

For FP-20H & FP-30H if you want to connect computer you need a driver that saved in SD card. When work in-line you don't need to save file, just print directly.
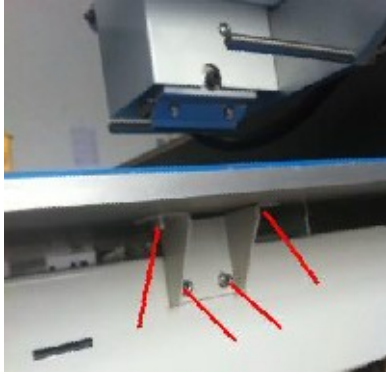
The max. width of file for 10H & 20H is 57mm but 30H is 300mm

Warning: Don't put your fingers under the printing head when machine is operating.

Part One：Notes

1, Un-pack:

Remove the four screws marked (tighten between main body and working platform) when the machine is ready for printing.

2. Manual range:

To ensure the user use the foil printer correctly and efficiently, please make sure read all the content of the manual, please keep the manual at the proper place for reference anytime. Before operation, please read the basic system, warnings, notes and tips.

3. Safety requirements:

Please observe all the warnings and notes on the printer to avoid any personal injury and printer damage, we warn the operator by tip.

Note: warn the operator that the system may be damaged if not operate correctly

Warning: warn the operator that personal injury may be caused if not operate correctly.

A. Notes: only qualified and trained person can repair the printer;

B. The electronic components on the control board are very sensitive to the static electricity

, easy to damage;

C. The internal voltage has the risk of electric shock.

D. Both hands and clothes should be hold off to the moving parts to ensure the safety

E. Forbidden touching the print head after the printer has just

stopped or the printer on operation;

F. Please pull the plug to cut off the power supply, rather than pull the power cable

 G. When change electric parts, please use the parts that with same specification and capacity only print-matching and grounding power cable can be used;

 H. Forbidden putting any items on the printer, the printer should be hold off any liquid and pollutants.

I. The printer can produce radio frequency on operation, harmful

Interference may be caused if not used and installed correctly ,

the user need to eliminate the interference when using at the

housing residences.

Part Two: Symbols

▮ ON： press down the symbol on the switch， the power is on.

**◯** OFF: press down the symbol on the switch , the power is off

Part Three: Quick Start

1. Function introduction

Digital foil printer is a mini table foil printer, can foil print in gold and silver ,no need to make dies or plates, artworks designed on the computer, can print once the design finished, it is very time-saving; Special software control, eliminate the problem of printing complex artworks; Print medium including copper plate paper, mount paper, adhesive paper, designed, fabric, ribbons. The applied projects are diary book covers, advertising professional project, and some other new projects. etc. This printer can help to save much time of setting, and also eliminate the mould, mesh, printing ink and solvent that used in the traditional printing, greatly reduce the direct and indirect printing costs. This printer may produce radio interference if used in

a family environment , in this case, the user need to take proper measures to avoid that.

2. Product Appearance
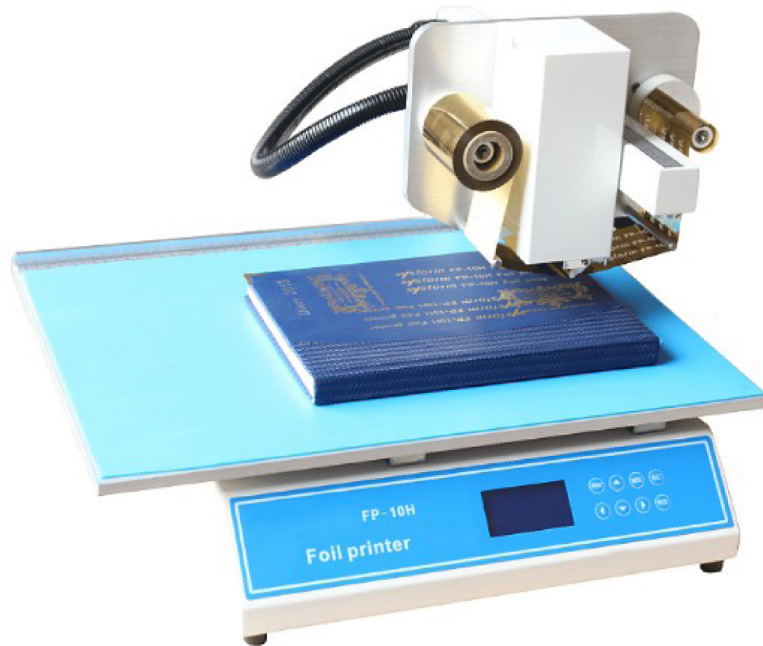
3. Opening the package

Please check the packaging and printer appearance, if there is damaged, please contact the seller within one business day so that the problem can be solved in time

Please check parts list to see if the following parts are included:

(1) Machine

(2) power cable

(3) SD card and card reader(demo video and some demo files saved in SD card)

(4) Demo Foil

(5) Operating manual

【 note 1 】 : the packaging size is 67 cm * 67 cm * 54 cm, please place it properly so that the operator has move access

【 note 2 】 : place the printer on the flat item that at least can burden twice weight of the printer

【 note 3 】 : if the printer raised improperly , it should cause badly damage, forbidden raising the printer by holding the upper cabinet and the parts, please make sure to hold the printer bottom to raise

【 note 4 】 : please do not   touch the print head direct by hands.

【 note 5 】 : please keep up the packaging case and packaging materials properly for future moving and maintenance

4. Connect the power and insert SD card

【 note 1 】 : the printer power cable must match the rated power, please check the power if proper by using different power

【 note 2 】 : check the switch if is on the OFF position. The symbol "O" means power off

1. The power cable plug should be firmly inserted into the printer power interface

2. The other end of the power cable should be insert a plug with grounding

3. Insert the SD card.

Part Four : Operation instruction

【 note 1 】 :Anyone who is unqualified and untrained should not open the electric component cabinet.

1.Buttons

Reset When the printer is on the printing condition, the platform and the print head Reset, and cancel the printing task, so when the printer is on printing condition, please use this button carefully ; When the printer is out of the printing condition press down this button, the print head and platform will reset.

↑ means page up

MENU   means the job list .

SELECT means the job list can be selected

←   means page left.

↓   means page down.

→   means page right

PAUSE   means PAUSE.

2. Foil transmission

 Supply-side   used to install the unused foil ribbons.

 Recycling-side to receive the used foil ribbon, and also provide the proper tensile force to avoid the foil ribbon folded.

Guiding Shaft   Used to transmit the foil ribbon,to prevent the foil from folding.

Print Head   Used for heating and printing

Work platform   To place print medium

【 note 2 】 : the print head may be permanently damaged by the badly mechanical impact and static charge, for more details please refer to the "print head maintenance" in chapter 4

Before printing, please make sure read all the content in this chapter

3. Foil Installation

【 note 1 】 : please don't place the foil upside down (please refer to the installation below), please don't print without the foil ribbon installed

【 note 2 】 : please use the qualified thin film, foils or color ribbon, the damage that caused by using unproper materials will be out of warranty, and the fix fee will be at users own expense
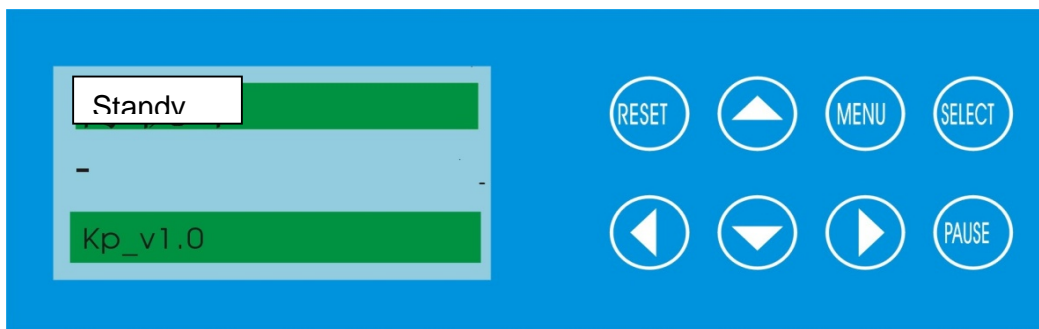
4. Start

Please check to ensure all the below steps are finished before printing

(1) SD card inserted (check to see if the SD card with the printing job list).

(2) already loaded foil ribbon.

(3) printer is on power.

(4) the printing medium is on the platform

(5) the printer need to hold off the items around to prevent the impact when the platform moving during printing

5. Printer Setting   printer setting need to the follow below steps:

Tip: No need to set the printer every time, all the parameters will be saved automatically after the initial setting, users only need to change the parameters if use different material and different foils.

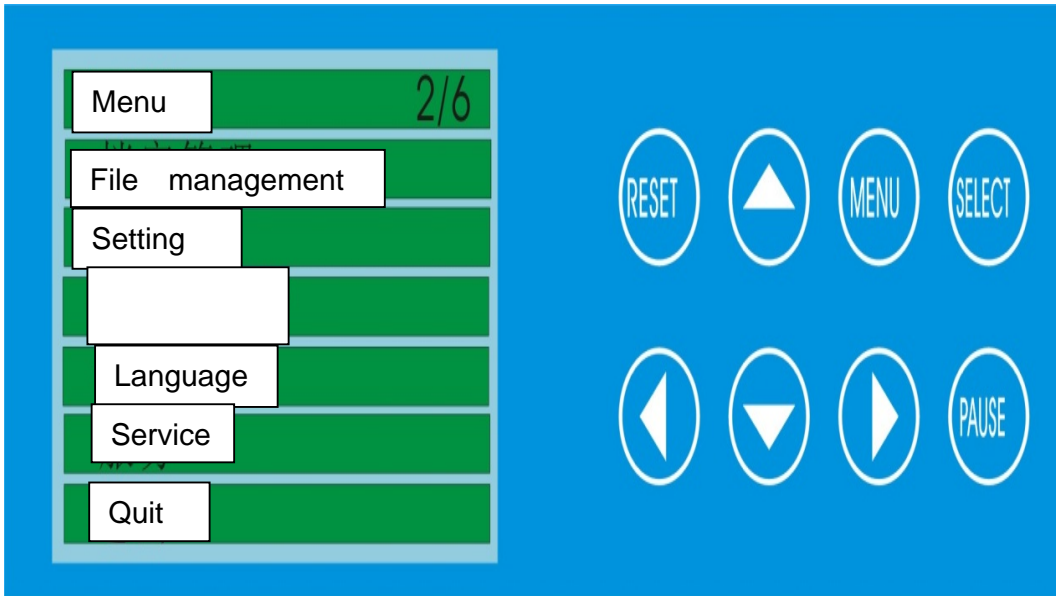After turning on, the screen will display as below:

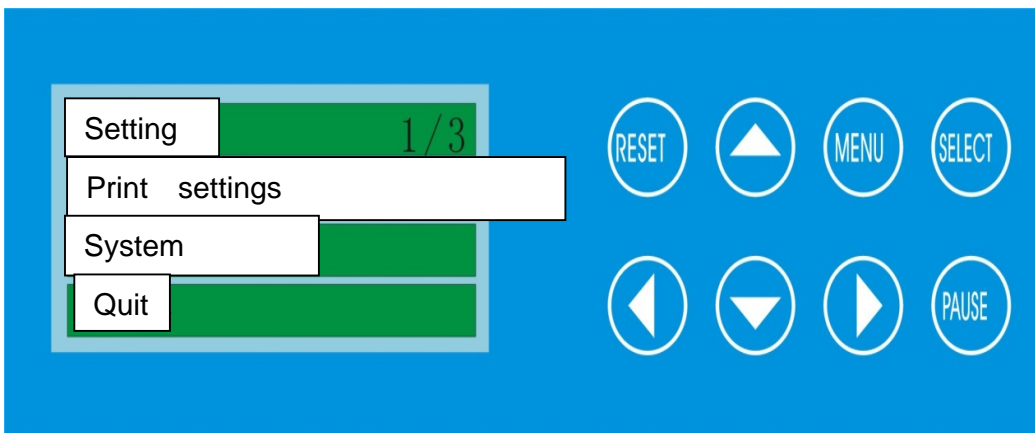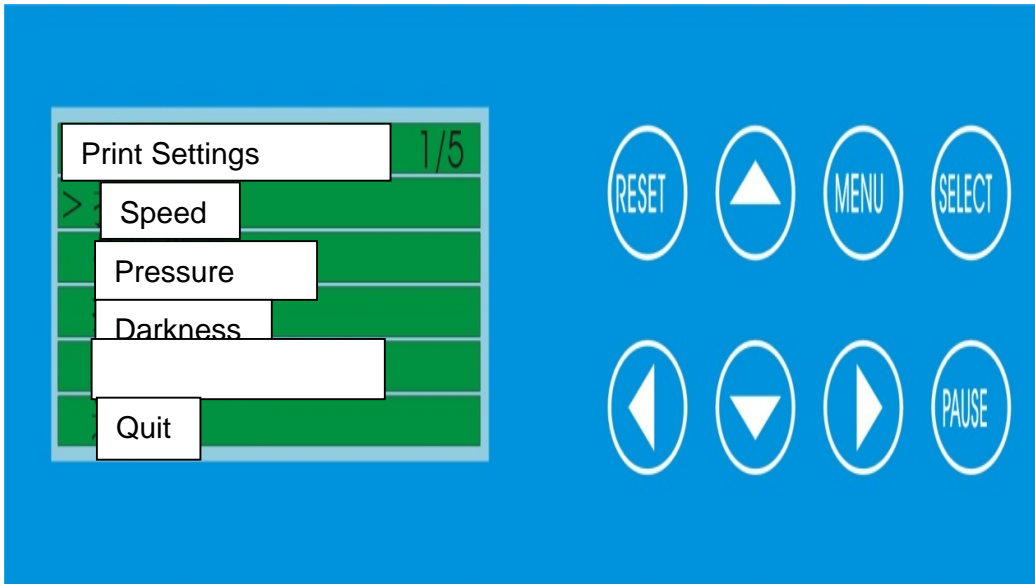Press and the screen display as below
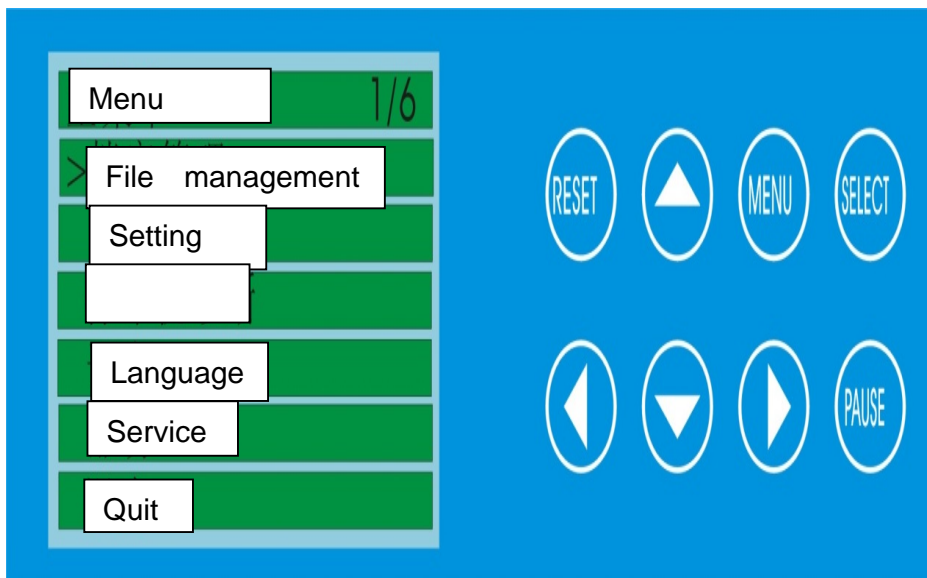
(1) Settings

A. Press ⊙ and came to the setting

Menu
File   management
Setting
Language
Service
Quit

(RESET) (▲) (MENU) (SELECT)

(◄) (▼) (►) (PAUSE)

B. Press (SELECT) and the screen display as blow

Setting
Print   settings
System
Quit

1/3

(RESET) (▲) (MENU) (SELECT)

(◄) (▼) (►) (PAUSE)

C. Press ![SELECT] to select the print setting and the screen display as below

① Select the SPEED to adjust the printing speed, for the operation please refer to the remarks

② Select the PRESSURE to adjust the pressure of the print head, for the operation please refer to the remarks

③ Select the DARKNESS to adjust the heat of the head, for the operation please refer to the remarks

Remarks: symbolize increase symbolize reduce
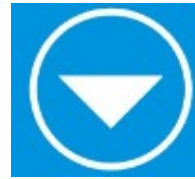
Note:

① The speed range is: 1 ~ 3, normal using 3

② The pressure range: 0 ~ 80, normal　using 20

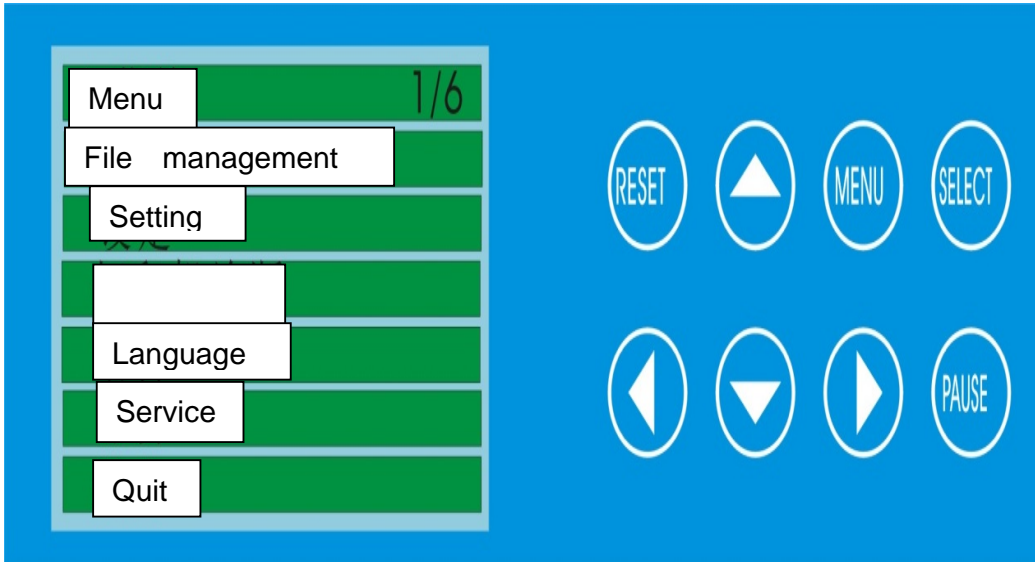③Printing darkness range: 1 ~ 18, normal using 3

Above settings are used usually, but different printed materials

　should be different settings and different foil used. It Depends on
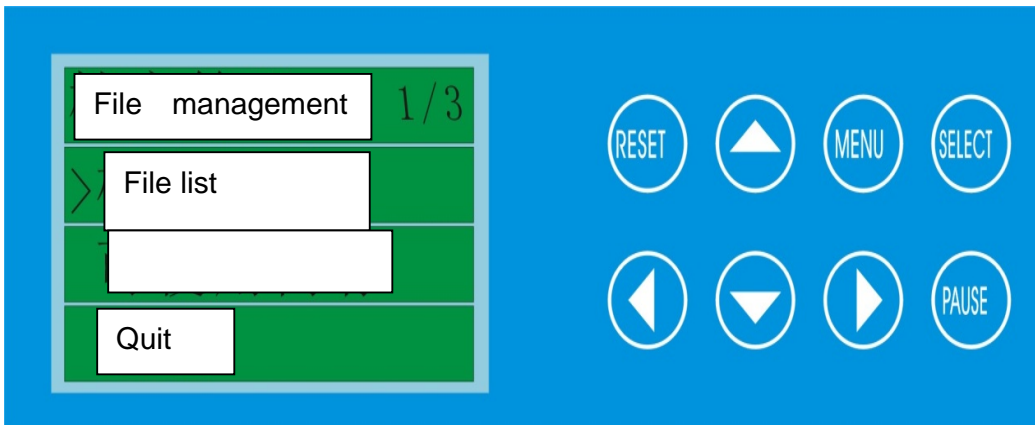
　user's experience.

(2) Select file

Tip: the user can select the files in SD card to start the printing.

A. Press and come to the File Management as below
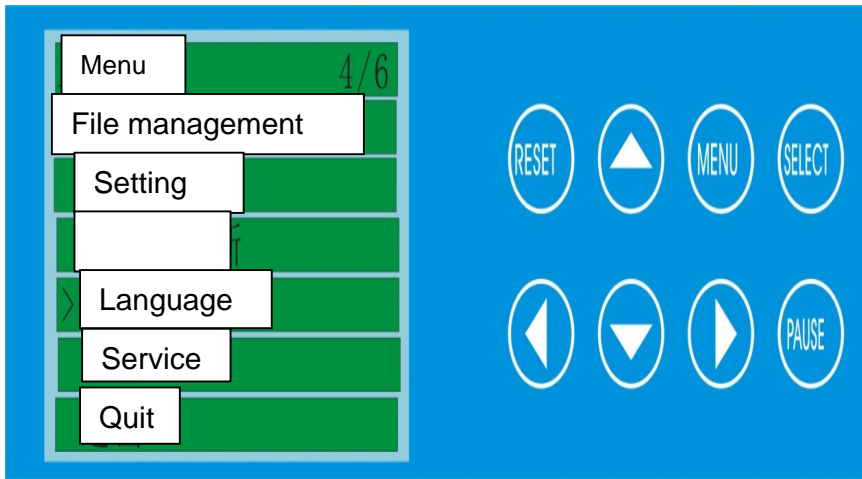
B. Press and come to the File list as below

C. Select File list, and then you will see the file listed in orders

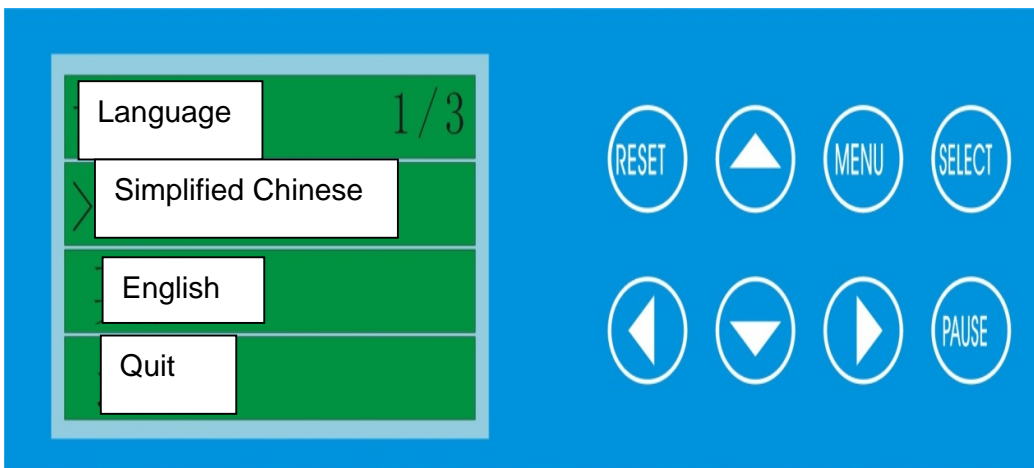now you can select the wanted file, and press start printing.

(4) Language selection

A. Press and come to the Language

B. Press and the screen display as below.

C. Select　Simplified Chinese or　English。

6.Print head maintenance

The print head may be attached by the dust, foils, carbon, etc, this may cause the bad printing　(i.e. parts can't print). So the user need to ensure the printing consumables attached by the dust or some other dirt things, by doing this can help to increase the printing life of the head. And user can clean the print head as below steps:

1. Turn off the power

2. Take off the foil

3. If the head attached by dirty things, please clean it with alcohol pen or soft cloth with alcohol

4. After the surface clean, user can use dry cotton swabs to remove the left alcohol to make it dry quickly

【 notes 1 】

1. Please clean the print head every week.

2. Please don't touch the heating parts with hands.

3. If can guarantee the print quality, try to minimize printing pressure.

【 note 2 】

when clean the print head please make sure the soft cloth are not attached with metal or hard things, if the head damaged by the dirty cloth, this will be out of warranty.

Part Five: Technical Parameters

Model	FP-10H / FP-20H/FP-30H		
Printing interface	SD card	SD card & USB	
Max printing length	250mm		
Max printing width	57mm		300mm
Max thickness admits	50mm		30mm
Max feeding width	350mm		
Speed	20-50mm/s		
Operation System	No	Win XP / Win 2000 / Windows 7 32 bit	
Resolution	300 dpi		
Power	150W		
Power source specification	110V/240V 50/60HZ 150W max		
Machine size	68cm*51cm*29 cm		
Packaging size	67cm*67cm*54cm		
GW/N.W	36KG/24KG		
Medium types	Paper, PVC , leather, photo paper ,cardboard, ,plastic. rubber ,film, vinyl, PET ,etc		