Hosonsoft

Shenzhen Hosonsoft Co., Ltd. No.: HS/D-YF-A0-005

Printing Software Instruction

Revision Record

Date	Version	Revised sections	Revision description	Author
March 15, 2018	First			Liu Guangtao,
	version			Chenyan
			Add button description, operation	
			steps of new version of card,	
April 17, 2018			network access method, judgment	Liu Guangtao
			method of gigabit NIC, firmware	
			import/export and so on.	

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I. Printing software

Developed by Hosonsoft, PrintExp software is a kind of control software that works with printer. It features user-friendly interface, simple operation and meets the needs of end users and manufacturers. It is mainly used for printer control, printer calibration, program upgrade and update, import and export of parameters, saving of parameters to the board. In order to enable users to quickly and comprehensively understand the printing software, get familiar with the various functional operations, precautions and possible problems, the following is an introduction to the different kinds of printing software. II. Software start and online

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1. Start print control software

The PrintExp software can be used directly. First find the PrintExp software folder, open the folder, find the PrintExp.exe application, and double-click the program to start the PrintExp software.

2. Software online settings

2.1 Gigabit NIC judgment

Before network connection, first ensure that the computer's NIC is Gigabit NIC for normal connection. The difference between a 100M NIC and a Gigabit NIC is:

Gigabit NIC contains these characters: Gigabit, GBE, 10/100/1000M, RTL8169.

100M NIC contains these characters: Fast Ethernet, 10/100, FE.

Enter the computer device manager, check the network adapter to make a judgment. The picture shown below is the 100M NIC:



2.2 Network settings

For the first time, you must set the network connection parameters to connect to the network and connect TCP/IP network cable for network setup.

Network setting method: Advanced menu \rightarrow Network settings, you can see the network settings window at this time, as shown below:

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		×
┌通信设置		
	C USB通信 • TCP通信	
网络设置		
	本机IP: · · · · · · · · · · · · · · · · · · ·	
	服务器IP: 192 . 168 . 127 . 10	
	服务器端口: 5001	
-		

As the server IP and server port settings have been fixed, you only need to set the local IP.As shown above, enter 192.168.127.111 in the local IP address (note that the first three digits can be any number within 1-255 except for 10), click "settings" to complete the setting, check if the network is accessible. If it still cannot connect, you can address with the following methods:

Go to control panel \rightarrow network and internet \rightarrow view network status and tasks \rightarrow change adapter settings \rightarrow click Ethernet or local area connection \rightarrow attributes to display the following window:

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 ♥ 以太网 履性 × 网络 共享 注接时使用: ① Realtek PCIe FE Family Controller 配置(C) 配置(C) 配置(C) 此连接使用下列项目(O): ① Microsoft 网络客户端 ② Microsoft 网络客户端 ② Microsoft 网络客户端 ② Microsoft 网络名户端 ③ Internet 协议版本 4 (TCP/IPv4) ④ Microsoft ULDP 协议驱动程序 ④ Internet 协议版本 6 (TCP/IPv6) ④ Microsoft LLDP 协议驱动程序 ④ Internet 协议版本 6 (TCP/IPv6) ④ 能路层拓科/劳现顾应程序 ✓ ● 軟路局拓科/劳现顾应程序 ✓ ● 軟磁 ● 新载(U) 属性(R) ////////////////////////////////////		
网络 共享 法接时使用: Realtek PCIe FE Family Controller 配置(C) 配置(C) DE置(C) DE置(C) DE置(C) Microsoft 网络客户端 @ Microsoft 网络运動器多路传送器协议 @ Microsoft LLDP 协议驱动程序 @ Microsoft LLDP 协议驱动程序 @ Microsoft LLDP 协议驱动程序 @ Microsoft LLDP 协议驱动程序 @ Microsoft LLDP 助议见 属性(B) @ Microsoft LLDP 助议见 属性(B) @ Microsoft Masconter bive, 该协议是默认的广域网络协议, 用 fracemonter bive, 该协议是默认的广域网络协议, 用 fracemonter bive, 该协议是默认的广域网络协议, 用 fracemonter bive, 该协议是要认为 (Microsofter bive) @ Microsofter bive) @ Micros	🖗 以太网 属性	×
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✓ Microsoft 网络客户端 ✓ ✓	配置(C) 此连接使用下列项目(O):]
 ✓ Microsoft 网络的文件和打印机共享 ✓ QoS 数据包计划程序 ✓ Internet 协议版本 4 (TCP/IPv4) △ Microsoft 网络适配器多路传送器协议 ✓ Microsoft LLDP 协议驱动程序 ✓ Microsoft LLDP 协议驱动程序 ✓ Internet 协议版本 6 (TCP/IPv6) ✓ 链路层拓扑发现响应程序 ✓ ● 链路层拓扑发现响应程序 ✓ ● <l< td=""><td>✓ Wicrosoft 网络客户端</td><td></td></l<>	✓ Wicrosoft 网络客户端	
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确定取消		
	确定取消	

Double-click the highlight bar in the above image to enter the following window:

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Internet 协议版本 4 (TCP/IPv4) 属性	×
常规	
如果网络支持此功能,则可以获取自动指 络系统管理员处获得适当的 IP 设置。	派的 IP 设置。否则,你需要从网
○ 自动获得 IP 地址(O)	
●使用下面的 IP 地址(S):	
IP 地址(<u>l</u>):	192 . 168 . 127 . 111
子网掩码(<u>U</u>):	255.255.255.0
默认网关(<u>D</u>):	192 . 168 . 127 . 1
○ 自动获得 DNS 服务器地址(B)	
● 使用下面的 DNS 服务器地址(E):	
首选 DNS 服务器(P):	192 . 168 . 127 . 111
备用 DNS 服务器(<u>A</u>):	
□ 退出时验证设置(L)	高级(1)
	确定取消

Enter the same address in the red box above and click OK to complete. Go back to the main interface window, check the first icon at the lower left corner of the main interface displayed in green to indicate that it is connected. If it is still red, it means that it is not online. You can unplug the network cable and try again to see if it is online. If you still cannot connect, check if the network cable is in good condition.

III. Operation steps before the new board card is used

For a new set of board cards and software, the steps before using:

1Set the IP address

The specific setting method can be seen in the "Software Online Settings" in "Software Online and Start" above.

2 Motor gear ratio calibration

It is described in the following section "Factory Settings" in detail

3 Clean print head

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Ensure that all orifices of the print head can be inked normally 4 Calibration In the following section, "Calibration" is described in detail

5 Drawing printing settings

In the following section, "sharpen and print" is described in detail.

IV. Introduction of main interface window of the software The main interface of PrintExp software is as follows:



The main interface of PrintExp software mainly includes main menu function area, shortcut button function area, print list function area, task preview image display function area, print task information function area, status bar, etc., which are introduced in the following parts.

1 Main menu

The menu tree of the main menu is as follows:

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2 Files

Click the file in the menu bar to enter the file interface. The interface mainly includes the file directory window, the image preview window, and the picture information display bar is shown below:

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Hosonsoft 汉森软件	🛛 文件	骨打印	(2) 设置	☞ 校准	副电压	記高级	
ē .	⊗ &	: 4 III	\$° \$	€ ∋	⊕		新 読 前 保存参数
□ ■	2 (作) (D:) (D:) (E:) 日記公共序) 示配公共序) 示配性 計 可愛祥 1 引 愛祥 1 引 愛祥 1 計 有 夏 理 托 工 目 夏 四 代 日 夏 四 代 日 男 四 代 日 の (D:) (D:) (D:) (D:) (D:) (D:) (D:) (D:)		武图 片	打印文件	持预览功能区		
田 白 新 田 白 方 田 白 愛 田 白 敏 田 白 朝	员工培训资料 案与资料汇总 件 件测试专业知识 置集总	Ĵ	任务名称: 测试图片 任务精度: 720 X 7 任务尺寸: 299.58r 颜色数量: 4 点位数: 2 Bit	†.prn ′20 nm X 300.00mm	打印文件信	息显示功能区	
(P) (R) (D)	X位置: 0 mm					缺缺 缺 缺 安全瓶	:空 设备就绪

No.	Name	Function description		
1	File directory function area	Select the folder where the print files are stored		
2	Print file preview function	Display all print files under the specified print file folder		
	area			
3	Print file information	Display print information of the selected print file		
	display function area			

If you select the preview image and right click, the menu list will pop up as shown below:

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No.	Name	Function description
1	Re-preview	Regenerate a preview of the currently specified print file
2	Refresh the directory	Refresh all the print files in the specified print file folder
3	Delete files	Delete print files
4	Print now	Add the current print file to the print task list and print immediately
5	Add to print	Add the selected print file to the print task list
6	Open directory	Open the folder corresponding to the print file

3 Print

Click Print in the menu bar to enter the print interface, as shown below:

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No.	Name	Function description
1	Main menu function area	Display the area of the main function buttons of the system
2	Shortcut button function area	Display the area of frequently used command buttons
3	Task list function area	Display the current area of all tasks that are being printed or to be printed
4	Task preview display function area	Display the area of preview of selected print task
5	Print task information function area	Display the area of all print information for the current print task
6	Status bar	Display the area of current working status or connection status of the system

The print interface includes a print task list window, a history task list window, a print task preview window, and a print information window; select a task in the print task list, right click topop up the drop-down menu as shown below: 3.1 Open the task list

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No.	Name	Function description
1	Start printing	Perform printing
2	Delete task	Delete from print task list
3	Wait for printing	Add the current task to the queue to be printed
4	Cancel task	Cancel the printing or cancel the waiting for printing status
5	Move to the top	Move the selected task to the top of the task list
6	Move up	Move the print task forward one bit
7	Move down	Move the print task backward one bit
8	Move to the last	Move the selected task to the end of the task list
9	Clear list	Clear all tasks in the print task list
10	Open directory	Open the folder where the print file is located

3.2 Historical task list

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No.	Name	Function description
1	Add to print	Add a task to the print task list
2	Print now	Add a task to the print task list and print immediately
3	Delete task	Delete task from history print list
4	Clear list	Clear the tasks in the history print list
5	Open directory	Open the folder where the print file is located

3.3 Task attributes

Double-click a task in the print task list to enter the task property window of the task, as shown below:

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	任务属性				×
	打印设置 打印份数:		X白边:	140.00	
				0.00	
	傾向幅数: 纵向幅数:		×1⊻音: V位晋:	0.00	
	横向间距:	0.00 mm	宽度:		
	纵向间距:	0.00 mm	高度:		
	、 -任务属性				
Loro Maria Diana	任务名称: 任务精度: 图象大小:	测试图片.prn 720 X 720 299.58mm X 300.0)0mm		
	颜色数量: PASS模式:	4 4			
	- 多倍墨量	1			
			确定		取消

No.	Name		Function description
1	Print settings	Number of copies	Set the number of times of repeated printing
		Horizontal photo number	Horizontal photocomposing number
2	Photocomp osing setting	Vertical photo number	Vertical photocomposing number
		Horizontal spacing	Horizontal photocomposing spacing(mm)
		Vertical spacing	Vertical photocomposing spacing(mm)
		X position	Loading position in X direction in print files
2	Regional	Y position	Loading position in Y direction in print files
5	printing	Width	Print width of selected area in print files
		Height	Print height of selected area in print files

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4	Task attribute		Include the name of the task, the print precision of the task, the size of the print job, the number of color of print tasks, and the number of pass of task.
---	-------------------	--	---

4 Settings

Click settings in the menu bar to enter the settings interface, as shown below:

<i>'</i>	Hosonsoft 汉森软件	🖸 文件	骨扣印	Ś	设置	ℰ 校准	圓电	压	➡高级	
_	ê			T 80	Ø	Θ	• 1	ଜ		
ſ	┌喷头选择──			·白边设置						- (
	喷头选择:	双头		X轴白边:	140.00	mm				
	┌常规设置──			≫条设置			─羽化设置───			
	打印速度:	中速		彩条位置:	两侧彩条		羽化模式:	轻度羽化		
	打印方向:	双向打印		彩条模式:	模式2		羽化类型:	雾喷		
	印前闪喷:	关闭		彩条浓度:		F				
	自动清洗:	关闭		彩条宽度:	10.00	mm	喷头选择:	双头-全部(2	2个头) 🚽	
				彩条距离:	5.00	mm		启动	浅墨	
	┌测纸功能──			目动跳白——			─UV灯使能──			
		开始测纸		跳白方式:	关闭跳白	P	<向左:	☑ 左灯	☑ 右灯	
	测纸宽度:	2200	mm	自动复位:			>向右:	☑ 左灯	☑ 右灯	

No.	Name		Function description		
1	Nozzle selection		Only specific model can have nozzle selection		
2	X white dge	;	Set loading position		
		Print speed	Set the print speed to be low, medium and high speed		
	Print Set the print direction to be leftwards printing, r				
		direction	printing and bi-directional printing		
2	General	Flash work	Set flash work on or off before printing		
3	setting	before			
		printing			
		Automatic Set automatic cleaning on or automatic cleaning off			
		cleaning			
4	Color ba	Color bar	Set the color bar position to be left color bar, right color bar and		
	setting	setting	color bars on both sides or color bar off		

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		Color bar mode	Difference between two kinds of color bar modes
		Color bar concentratio	Set color bar concentration to be weak, medium and strong
		n	
		Color bar width	Width of color bar
		Color bar distance	Blank spacing between color bar and print picture
5	Feather	Feather range	Feather range selection
	setting	Feather type	Feather type selection
6	Ink loading function		Put inking loading function on or off
7	Test paper function		Click "start test" to test the width of printing paper
	White	Stepping white streak	Enable white streak, follow PASS feeding in vertical white streak
8	streak	Continuous white streak	Enable white streak, follow continuous feeding in vertical white streak
	Tunction	Close white streak	Close white streak function

5 Calibration

Click Calibration in the menu bar to enter the calibration interface, as shown below:

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Hosonsoft 汉森软件	② 文件
ē =	
	材料管理: Default 编辑
◎ 喷头检测	
◎ 步进校准	→ 基准步进 → → → → → → → → → → → → →
● 喷头距离	打印校准图 0.00 像素 打印PASS数: 1Pass
◎ 套色校准	计算 115730 🥥 歩进偏移値: 0
◎ 双向校准	1像素=81.654295號沖
	打印技准图
(*)	X位置: 0 mm

No.	Name		Function description
		Nozzle detection	Check whether the ink jet of orifice of the print head are in good condition
1	print head detection	Level detection	Check whether the entire nozzle plane of the print head is parallel to the horizontal plane.
		Vertical detection	Check whether the print head is skewed.
2	Stepping calibration		Calibrate stepping parameters and fine-tuning stepping parameters for different pass modes
2	print head	print head horizontal spacing calibration	Calibrate horizontal spacing between print heads
3	range	print head vertical spacing calibration	Calibrate vertical spacing between print heads
4	Trapping		Calibrate the vertical and horizontal location of each passage of
	calibration		

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5	Bi-	Calibrate	bi-directional	offset	under	different	speed	of	bi-
	directional	directiona	l printing						
	calibration								

5.1 Introduction to nozzle detection function

Click "nozzle detection", the system will print the nozzle detection pattern, such as the print head state diagram of EPSON DX5 printer, as shown below:



Partially enlarge the normal and abnormal conditions of the black state diagram, as shown below:

	· · · · · · · · · · · · · · · · · · ·								
	· · · · · · · · · · · · · · · · · · ·								
	- 二労桂 - 二 下 嘻・	计学大安							
	二 正书 俱 几 卜 顺:	大小芯官							

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The state diagram in the above picture may be blocked and needs to be cleaned until the nozzle inkjet is optimal.

5.2 Introduction to level detection function

Click "level detection", the system will print out the level detection pattern, such as the level detection pattern of EPSON DX5 printer, as shown below:

			 _
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			_

5.3 Introduction to vertical detection function

Click "vertical detection". The system will print a vertical detection pattern, such as the vertical detection pattern of EPSON DX5 printer, as shown below:

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The calibration chart on the right side of the figure above needs to be adjusted vertically until the vertical calibration chart is in the correct state.

5.4 Introduction to stepping calibration function

Click "print calibration chart" under the reference stepping box. The system will print. For example, the stepping calibration chart of EPSON DX5 printer is as follows:



The above figure shows that the stepping is calibrated and the reference line and the tick mark are completely coincident at 0. If the stepping is not calibrated, the following situation will appear:

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The above picture needs to be adjusted. Adjustment window is as shown below. Input the adjustment value, click calculation, and reprint the calibration chart until the baseline and the print line completely coincide at 0.

一基准	眇进]	┌───────────]
	打印校准图	0.00	像素	打印PASS数:	1Pass -
	计算	115730	\odot	步进偏移值:	
					1像素=81.654295脉冲
					打印校准图

5.5 Introduction to print head horizontal spacing calibration

Click "Print left/right calibration chart" under the horizontal spacing calibration box of the print head. The system will print.



The above figure shows that the horizontal distance between the print heads is normal, and when the horizontal spacing of the print heads is not calibrated, the following picture will appear:

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The above picture needs to be adjusted. The adjustment window is shown below. After inputting the adjustment value in the position H2 in the figure below, reprint the calibration chart until the mark of 0 is pointing to 0.

┌喷头水平间距校准(像新	轰)			
复制参数	横向打印精度:	360DPI	F	
粘贴参数	打印速度选择:	中速	Ģ	
打印左校准图	H1: 0		H2: 1698	
打印右校准图	H1: 0		H2: 1699	

5.6 Introduction to print head vertical spacing calibration

Click "print calibration chart" under the vertical spacing calibration frame of print head. The system will print.



The figure above shows that the longitudinal distance between the print heads is normal. All the lines in the 0-point scale box are parallel, and the left arrow points to the 0-point scale mark. If the longitudinal distance is not calibrated, the following picture will appear:

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```



All the lines in the 0-point scale box are not parallel, but all the lines in the -4 scale box are parallel, so it needs to be adjusted. Subtract 4 from the original calibration value, and then re-calibrate until all the lines in the 0-point scale box are are parallel. The adjustment window is as follows:

∼喷头纵向间距校准(像)	素)		
打印校准图	H1: 0	H2: 349	
l			

5.7 Introduction to bidirectional calibration function

Click "print calibration chart" under the bidirectional calibration interface, the system will print



The figure above shows the calibration. The uncalibrated situation is as follows:



The calibration value must be filled in and recalibrated, as shown below:

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5.8 Introduction to trapping printing calibration function

Click "Print left/right calibration chart" under the color calibration interface, the system will print



The figure above shows the calibration. The uncalibrated situation is as follows:

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The calibration value must be filled in and recalibrated, as shown below:



6Voltage window

Click the main menu voltage to enter the voltage window, as shown below:

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		:(只读)	┌喷头温度		_		_		(V)——	电压偏移(~调]
^篇	常	异常	喷头1		5 H07	H05 H06	3 H04	H02 H03	H01	H00	
	『 る	<mark>异常</mark>	顺头2		0.00	0.00	0.00	0.00 0.00	0.00	0.00	
					0.00	0.00 0.00	0.00	0.00 0.00	0.00	1 0.00	G
								电压	设	新电压	J.
	2 號 2 號	<mark> </mark>	喷头1 喷头2		5 H07 0.00 0.00	H05 H06	3 H04 0.00 0.00	H02 H03 0.00 0.00 0.00 0.00 0.00 0.00	H01 0.00 0.00	 H00 0.00 1 0.00 	G

No.	Name	Function description
1	Voltage regulation voltage offset	Set the offset voltage of the specified print head channel
2	Refresh voltage	Update current print head channel voltage value
3	Set the voltage	Save the current print head voltage offset value
4	print head temperature (read only)	Display the specified print head temperature

7. Advanced

Click Advanced on the main menu to enter the advanced interface, as shown below:

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Hosonsoft	②文件	會打印	🔅 设置	☞ 校准	目电压	三 高级	
ē .	× 5	<i>g</i>	\$\$ \$	€ €	⊕ ↑ (£ ⊻ 5	加载参数保存参数
 「家设置 版本信息 边Rip边打 高级设置 	断孔补偿网络配置分期授权						
	X位置:0 mm				缺	<mark>缺 </mark> 缺 <mark>缺</mark> 安全瓶: 空	设备就绪
No.	Name	Fu	unction descri	iption			
1	Manufacture	· .					taufa a.

1	Manufacturer setting	Enter the entrance of the manufacturer parameter setting interface		
2	Version Information	Display system board card related version information		
3	Rip over printing	Select the precision mode for rip over printing		
4	Advanced settings	Broken hole compensation, network configuration, installment authorization settings		

7.1 Version information

Click the version information in the advanced interface and enter the following interface:

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主板序列号	0000-5C1DC06C-008854BB	升级
喷车序列号	0301-36CD2EEB-957ECF00	刷新
主板逻辑版本号	1.1.2.16	
喷车逻辑版本号	2.1.0.3	
主板程序版本号	0.5.3.8.7	
主板固件版本号	-1.0.1.5.D	
软件控制版本号	5.3.8.4.R	

7.2 Upgrade

The mainboard logic, the sweep logic, the motherboard program, and the MCU program can be upgraded and updated separately. After the program is upgraded, the power must be turned off and then powered back on. Click refresh to check whether the newly upgraded program has been updated. The upgrade method is as follows:

Click the "Upgrade" button above to pop up the following window:

🎀 打开			×
← → • ↑ 📙 <	< 项目	■ > 三期 > V5.3.8.10_20180402 v 0 捜索"V5.3.8.10_20180402"	Q
组织 ▼ 新建文件:	夹		
💻 此电脑	^	名称 修改日期 类型	
🧊 3D 对象		☐ MBP_3.74_Net_Cmd_V5.3.8.10_20180 2018/3/30 20:59 UPF 文件	
📑 视频			
▶ 图片			
🔮 文档			
👆 下载	н.		
♪ 音乐			
三 桌面			
🏪 Windows (C:)			
🕳 新加卷 (D:)			
🔜 新加卷 (F:)			
📣 网络	¥ .	<	>
۲	文件名	(N): √ 升级包(*.upf)	~
		打开(<u>O</u>) 取消	¥ :

Select the program to be upgraded, and then click the "Open" button to enter the upgrade window. Click "OK" to enter the upgrade. The upgrade will prompt whether the upgrade is successful. After upgrade, power back on again, check the version

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information to confirm that it has been upgraded.

7.3 Sharpening over printing

In the advanced interface, click the sharpening over printing button to enter the following interface:



No.	Name		Function description
1	Basic	Buffer ratio	Indicate that RIP reaches the set value and start printing
1	setting	Port number	Default value: 9100
			RIP software determines the printing mode in the case of
		Determined by RIP	RIP over printing
	Printing	software	
2	mode		
		Determined by RIP	Printing control software determines the printing mode in
		software	the case of RIP over printing

How does printing software set printing mode

Open the printing software, add the print task to the print list, click the print mode drop-down list of the print task, select different print modes, as shown below:

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No.	Name	Function description
1	VSD_L	For normal mode large dot printing, the effect is as shown in Figure 7-3-1
2	VSD_M	Normal mode midpoint printing
3	VSD_EXT1	Normal mode extension point printing
4	VSD_L_H	For horizontal connected large dot printing, the effect is as shown in Figure 7-3-2
5	VSD_L_V	For longitudinal connected large dot printing, the effect is as shown in Figure 7-3-2

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Horizontal connection Figure 7-3-2

How to set the print mode by Maintop Rip software Open Maintop software maintop-file - create new file - load picture - print, pop up the following window

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打印	×
常规 拼版 分块 分色 打印机: Canon i PF9000 DB 6Color 端口: LPT1: 4424: 古ゴ白きb#424 4TFD#n 沿会	1
页码: ① 日本の成本54 ① 日本の成本54 ① 空韶 ○ 从第 □ 一 一 一 一 一 一 一 一 一 页 其中的: • 全部页 ○ 奇数页 ○ 偶数页 ○ 指定页码: □ □	
打印份数: 1 ・ 5 多份整理印出 缩放比例: 100 1% 宽度: 3200mm ・ 自动缩放 高度: 1000mm ・	
□ 印成遺像 □ 印成阴片 □ 倒印 □ 倒序印出	
透硕 打印方向:	

Click the "Printer Settings" button in the above figure to set the print mode and enter the red box as shown below.

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Canon iPF9000 DB 6Color X
打印端口: [LPT1:
纸张大小: 自动纸张 👤
打印方向: 🔝 🔝 🗆 自动补偿 🔜 自动设置纸张
纸张类型: 合成纸 ▼
可选模式:
6pass: High Quality v1200dpi Draft, CMYKcm All 自定义
< >
更多选项 确认 取消

Click the "More Options" button in the above figure to set the printing precision, and select the printing precision from the precision drop-down list, as shown below.

打印机选项		×
打印精度:	High Quality v1200dpi Draft 💌	^
墨水: <u>CMT</u>	N300dpi Draft 600dpi Draft	
纸张来源:	600dpi Normal	
打印方向:	v1200dpi Draft	
忽略底部3	≥v1200dpi Normal v2400dpi Normal	
一 无边距打印	V2400dpi Best High Quality v1200dpi Draft	
聖墨伊用:	High Quality v1200dpi Normal	×
网点类型:	High Quality v2400dpi Normal High Quality v2400dpi Best 调频网点 • • 印彩巴 调色	
浓淡控制:	浓 ▲ ● 淡 2.383 缺	うしん しょうしん しょうしん しんしょう しんしょ しんしょ
	确认	取消

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How to set the print mode by Honson Rip software

Open Honson Software UltraPrint - New Canvas - Place Image - Print Canvas, enter the settings interface, as shown below:

打印确认		\times
打印 布局	5	
介质	: 水性	
精度	: 720x360 🔽 色彩: CMYK 💌	
PASS	: 4 端口: FILE 设置(S)	
曲线	: HS_PP Paper_4color_720x1200_4pass	
	□ 只显示支持当前打印模式的曲线	
	控制选项(0) 墨里调节(I)	
有效输出尺寸	: 289.19 x 203.18 mm <u>打印(E)</u> 取消(<u>C</u>)	

The red box in the figure is the setting for the precision and print mode.

7.4 Broken hole compensation

In the advanced settings menu, click the broken hole compensation button to enter the following interface:

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III 关闭喷孔 X
4 Head_1 Head_2
Tread_1 Dead_2 0 1 0 <t< th=""></t<>
断孔处理方式: 正常模式 ▼ 断孔检测 启用所有喷孔 保存退出 取消退出

No.	Name	Function description
1	Broken hole treatment method	Broken hole treatment method selection
2	Broken hole detection	Check the broken hole status of each orifice of the print head
3	Enable all orifices	All orifices opening/closing options
4	Save and exit	Save the current settings and exit the broken hole settings.
5	Cancel and exit	Don't save the current setting and directly exit the broken hole setting state

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Right click the orifice setting interface to pop up a drop-down menu, as shown below:

4 Head	d_1 Head	2							
□ 1	2	□ 3	4	□ 5	6	□ 7	8	9	🗆 10
🗆 11	🗆 12	🔲 13	🗆 14	🔲 15	🗖 16	🗆 17	🔲 18	🔲 19	20
21	22 🗆	23	24	🗖 25	26	27	28	29	🗖 30
🗖 31	32	33	34	🔲 35	🗖 36	37	🔲 38	🔲 39	4 0
🗆 41	4 2	4 3	🔲 44	🔲 45	4 6	🔲 47	48	4 9	50
51	D 52	53	54	55	56	57	58	5 9	60
61	62	63	64	65	66	67	68	69	70
0 71	2 72	273	274	275	276	277	278	2 79	80
🗖 81	82	83	84	85	86	87	88 🔲	89	90
🗖 91	92 🗌	93 🗌	94	🗖 95	🗖 96	97 🗌	🗖 98	🔲 99	100
101	102	103	104	105	🔲 106	🔲 107	108	🔲 109	110
111	🔲 112	🔲 113	🗆 114	🔲 115	🔲 116	🔲 117	🔲 118	🔲 119	🔲 120
121	🔲 122	🔲 123	🔲 124	🔲 125	🔲 126	🔲 127	🔲 128	🔲 129	130
🗖 131	🔲 132	🔲 133	🗖 134	🔲 135	🔲 136	🔲 137	🔲 138	🔲 139	140
141	142	🔲 143	🗌 144	🔲 145	🔲 146	🔲 147	148	🔲 149	150
🔲 151	🔲 152	🔲 153	🔲 154	🔲 155	🔲 156	🔲 157	🔲 158	🔲 159	🗖 160
161	🔲 162	🔲 163	🗖 164	🔲 165	🔲 166	🔲 167	整行	i全选	170
171	🗌 172	🗌 173	🗌 174	🗌 175	🔲 176	🗆 177	整行	全 不选	180
							the T	1.6.2#	_
							至9	全远	
							整列	全不远	
							整页	〔全选	
							整页	至不选	

No.	Name	Function description
1	Select whole row	Select the whole row at the same time
2	Unselect the whole row	Unselect the whole row at the same time
3	Select the whole line	Select the whole line at the same time
4	Unselect the whole line	Unselect the whole line at the same time
5	Select the whole page	Select the whole page at the same time

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6	Unselect the whole page	Unselect the whole page at the same time
---	-------------------------	--

8Logs

Click the log button in the lower right corner of the printing software to enter the log window, as shown below:

封阔 未須 大型 代码 信息 2018/03/29 17:53:29 软件 信息 000000 设备连接/加续参数 2018/03/29 17:53:29 软件 信息 000000 设备连接/加续参数 2018/03/29 17:53:29 软件 信息 000000 设备连接/加续参数 2018/03/29 17:53:29 主板 信息 000000 边备连接/加续参数 2018/03/29 17:53:30 主板 信息 000000 加续参数成功	Hosonsoft 汉森软件	Ø	文件	ļ	रे रंग हा	🔅 设置	ℰ 校准	圖电压	➡ 高级	目志	lol×	
2018/03/29 17:53:29 软件 信息 000000 设备连接 2018/03/29 17:53:29 软件 信息 000000 设备连接 2018/03/29 17:53:29 主板 信息 000000 缺新参数成为 2018/03/29 17:53:29 主板 信息 000000 加新参数成为 2018/03/29 17:53:29 主板 信息 000000 加新参数成为 2018/03/29 17:53:29 三板 信息 000000 加新参数成为 2018/03/29 17:53:29 三板 信息 000000 加新参数成为 2018/03/29 17:53:29 三板 日 000000 加新参数成为 2018/03/29 17:53:29 三板 日 000000 10 2018/03/29 17:53:29 三板 日 000000 10 2018/03/29 17:53:29 三板 日 000000 10 2018/03/29 17:53:29 三板 日 10 10 2018/03/29 17:53:29 三板 10 10 10 2018/03 17:50 三板 10 10 10 10 2019/03 17:50 三板 <th>时间</th> <th>来源</th> <th>类型</th> <th>代码</th> <th>信息</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	时间	来源	类型	代码	信息							
2018/03/29 17:53:30 软件 信息 00000 加鉄参数成功 2018/03/29 17:53:30 主帳 信息 00000 加鉄参数成功 2018/03/29 17:53:30 二 二 二 二 二 2018/03/29 17:53:30 二 二 二 二 二 二 2018/03/29 17:53:30 二 </th <th>2018/03/29 17:53:29</th> <th>软件</th> <th>信息</th> <th>000000</th> <th>设备连接</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	2018/03/29 17:53:29	软件	信息	000000	设备连接							
2018/03/29 17:53:30 主板 信息 000000 加鉄参数成功	2018/03/29 17:53:29	软件	信息	000000	设备连接-加载	参数						
	2018/03/29 17:53:30	主板	信息	000000	加载参数成功							
												_
												_
												_
												_
												_
												-1
												-1
												-
												-
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												-1
												-1
② (小) [] X位置: 0 mm 缺 缺 缺 缺 缺 缺 缺 缺 没备就绪	Image: A state of the state	X位	<u>罟</u> :0mn						缺 <mark>缺 </mark> 缺	安全瓶:空 设行	番就绪	»)

Through this window, you can see the current operation, especially when there is an error or a fault, you can know which type of error information is generated by viewing the debugging information, so that the error is solved in a targeted manner.

9. Shortcut button

Shortcut button	Function description
Ð	Printing start button to execute the print command

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Ð	print head check button to execute print head printing state
Ш	Printing pause/resume button
\times	Printing cancel button to execute the end printing command
: 	print head cleaning button to execute print head cleaning command
	Flash spray on/off button
\diamond	White edge positioning button
\Diamond	Moisturizing off/on button
ស	Reset button
$\overline{}$	X motor right shift button
(1)	Feed button
(\uparrow)	Return button
₹	Stepping fine adjustment reduction button
⊒	Stepping fine adjustment increase button
旨	Two-way fine adjustment reduction button
司	Two-way fine adjustment increase button
1z	Entry into height measurement control panel button

10 Status bar

Status bar icon	Description
Ś	Network cable normal connection

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(c)	Network cable disconnection
Ś	Offline
*	Turn on the flash spray
*	Turn off the flash spray
	System functions normally
$\dot{\diamond}$	System error
(¢	System warning
(-Ċ	Offline
	Normal print head temperature
	Abnormal print head temperature
	print head temperature warning
	Offline

V. Factory mode

Click the factory settings in the advanced interface, enter the password directly, enter the factory mode, as shown below:

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文件 固件 操作 授权						
左移 右移 进料 退料 复位 闪喷 清洗						
「家模式」网络设置						
马达初始化参数						
x马达	Y马达					
加減速距离: 256 脉冲(2.44毫米)	加減速距离: 300 脉;冲(0.26毫米)					
原点反向移动距离: 5000 脉冲(47.62毫米)	原点反向移动距离: 0 脉冲(0.00毫米)					
撞限位后回零距离: 420 脉冲(4.00毫米)	撞限位后回零距离: 0 脉冲(0.00毫米)					
马达移动速度: 5000 脉冲/秒(47.62毫米/秒)	马达移动速度: 1000 脉冲/秒(0.87毫米/秒)					
测试式运力作	测试动作					
┃	7					
加減速距离: 300 脉冲(0.06毫米)						
原点反向移动距离: 1000 脉冲(0.20毫米)						
撞限位后回零距离: 0 脉〉冲(0.00毫米)						
马达移动速度: 1000 脉冲/秒(0.20毫米/秒)						
测试动作						
开机初始化(x马达(y马达(墨栈(刮片)						
马达▲喷头组合↓打印模式↓基准套色↓UV灯↓自动清淡	先〈手动清洗〉自动闪喷〉跑机/走纸/其他/					

1. Main content of factory mode

The main content of factory mode refers to the following menu tree

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Manual flash sprav	

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2 Boot initialization

Perform the motor's action parameters during power-on initialization, as shown below:

马达初始化参数						
x 马达				-Y马达		
加减速距离:	256	脉冲(2.44毫米)		加减速距离:	300	
原点反向移动距离:	5000	脉冲(47.62毫米)		原点反向移动距离:	0	- 脉冲(0.00毫米)
撞限位后回零距离:	420	脉冲 <mark>(4.00毫米)</mark>		撞限位后回零距离:	0	- 脉冲(0.00毫米)
马达移动速度:	5000	脉冲/秒 (47.62毫米/秒)		马达移动速度:	1000	
	测试动作	Ξ			测试动	ゴ
刮片马达]			
加减速距离:	300	脉冲 (0.06毫米)				
原点反向移动距离:	1000	脉冲 (0.20毫米)				
撞限位后回零距离:	0	脉冲 <mark>(0.00毫米)</mark>				
马达移动速度:	1000	脉冲/秒(0.20毫米/秒)				
	海島ボチカイ					

The parameters of the X motor, the Y motor, and the blade motor are the same. The X motor is taken as an example for explanation. See the following table:

No.	Name	Function description
1	Acceleration and deceleration distance	Acceleration and deceleration distance
2	Origin reverse movement distance	The distance the motor moves away from the origin
3	Returning to the zero position after hitting the limit	After the motor moves to the origin direction, the distance of the reverse movement after hitting the limiter
4	Motor moving speed	Motor moving speed

3X motor

The settings of the X motor parameters are as follows:

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X马达参数						
- 齿轮比						
目标移动值:	1000	毫米	校准			
齿轮比:	104.993691565	5031				
──行程参数─────						
正方向最大行程:	350000 👻	脉冲 (3333.53毫米)	确认行程	1		
负方向最大行程:	0 👻	脉冲 (0.00毫米)	确认行程	Ī		
┌运动参数 ─────				:栅泖航式		
加减速距离:	16569	脉冲(157.81毫米)		当前位置 <mark>:</mark>	0	光栅
复位速度:	800	毫米/秒		偏移距离:	100	光栅
常规移动速度:	700	毫米/ 秒				
打印空跑速度:	1100	毫米/秒				反同移动
打印速度(慢):	85	%				
打印速度(中):	90	%				1
打印速度(快):	97	%		定位方式:	脉冲定位 ▼	

No.	Name	Function description
1	Gear ratio calibration	Calibrate the gear ratio of the X motor
2	Stroke parameters	The maximum range of motion of the X-direction trolley
3	Acceleration and deceleration distance	Acceleration and deceleration distance
4	Reset speed	The speed of the trolley movement during the reset
5	Regular moving speed	The speed of trolley when moving to the left and right in manual mode
6	Invalid running speed of printing	The back running speed of trolley in one-way printing
7	Print speed	The ratio of the maximum spray frequency to the speed, the difference of the different speeds
8	Raster test	Raster test has two main functions: First, it is confirmed whether the precision of the grating is accurate by comparing the set offset distance with the raster value reported in real time; in addition, determining whether the direction of the raster is correct

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9	Pulse positioning	Locate the current position of the trolley by pulse
10	Raster positioning	Locate the current position of the trolley through the raster

4Y motor

「家模式」			
Y马达参数			
目标移动:	100	毫米	移动
实际移动:	100	毫米	
齿轮比:	491.003263463	864	
	,		
┌行程参数────			
正方向最大行程:	不限制 💌	脉冲	确认行程
负方向最大行程:	不限制 💌	脉冲	确认行程
- 注于和关*数			
加减速距:	3000	脉冲(6.11毫米)	
常规走纸谏度:	70	毫米/秒	
打印走料速度(慢):	50	毫米/秒	
打印走料速度(中):	60	毫米/秒	
打印走料速度(快):	80	毫米/秒	

No.	Name	Function description
1	Gear ratio calibration	Calibrate the gear ratio of the Y motor
2	Stroke parameters	The maximum range of motion of the Y-direction motor
3	Acceleration and deceleration distance	The motor accelerates from the stop state to the constant speed or decelerates from the constant speed to 0.

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4	Conventional feed speed	The speed of the Y motor at a constant speed during manual feed/return movement
5	Printing speed	The ratio of the maximum jetting frequency to the speed, the ratio of the different speeds varies.

5Ink stack

■ ■<			
正方向最大行程 <mark>:</mark>	不限制 💌	脉冲	确认行程
负方向最大行程:	0 🔻	脉冲	确认行程
墨栈参数 ————			
加减速距离:	200	脉冲	
墨栈运动速度:	8000	脉冲/秒	
保湿墨栈高度:	17000	脉冲	确认位置
闪喷墨栈高度 <mark>:</mark>	12000	脉冲	确认位置
刮墨墨栈高度 <mark>:</mark>	9000	脉冲	确认位置
限位检测墨栈高度 <mark>:</mark>	1500	脉冲	确认位置

No.	Name	Function description	
1	Motor stroke setting	Maximum range of motion of the ink stack	
2	Acceleration and	Acceleration and deceleration distance	
deceler	deceleration distance	Acceleration and deceleration distance	
Ink stack movement		Ink staak maxament speed	
3	speed	The stack movement speed	
4	Moisturizing ink	The height of the july steely in a mainty size state	
	stack height	The neight of the link stack in a moisturizing state	

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5	Flash inkjet stack height	The height of the ink stack in the flash spray state
6	Scrape ink stack height	The height of the ink stack when it is moisturized
7	Limit detection ink stack height	When entering the limit detection, the height of the ink stack (the height is as small as possible, but it must be out of the limit position)

6 Blade

刮片参数	
┌ 马达行程参数 ─────	
正方向最大行程: 不限制 🚽 脉冲 🏭	角认行程
负方向最大行程: 0 🚽 脉冲 🏭	角认行程
□ 刮片参数	
加減速距离: 300 脉冲	
刮墨小车运动速度: 20000 脉冲/秒	
刮墨片运动速度: 20000 脉冲/秒	
刮墨位置 喷头1 ▼	
刮片位置: 9800 脉冲 磺	角认位置
刮墨开始位置: 7700 脉冲 磺	角认位置
刮墨结束位置: 12700 脉冲 通	角认位置
舌	刘片回零

No.	Name	Function description
1	Motor stroke parameters	Setting of the maximum stroke parameter of the blade motor
2	Blade parameter setting	Blade motor acceleration/deceleration distance parameter and motion speed parameter setting
3	Start position of ink	The starting position of the trolley when the scraper is
	scraping	scraping the print head

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4	End position of ink scraping	The end position of the trolley when the scraper is scraping the print head

7 Print head combination

喷头	组合参数			
1	喷头组合选择:	DX5_双头		

Show a variety of different arrangements of multiple print heads. 8 Print mode

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配置列表:	模式列表:	
360x360 360x720 360x1080 720x720 720x1080 720x1440	1Pass_VSD_Default	
	- 羽化开放模式 - 羟度羽化幅度: 20 % ▼ 是否等待步进停止	
	普通羽化幅度: 60 % 深度羽化幅度: 100 %	
	羽化点模式:□正常	

No.	Name	Function description		
1	Configuration list	Currently configured all precision list of the print head		
2	Mode list	List of print modes for each precision		
3	Feathering mode setting	Feathering amplitude setting and feathering point mode selection		

9Reference trapping

基准套色	建套色参数 (注:以最大物理光栅为参考) 打印左校准图 打印左校准图 打印右校准图								
	H00	H01	H02	H03	H04	H05	H06	H07	
G00	К0	K1	C0	C1	MO	M1	YO	Y1	
>	0	64	280	344	560	624	840	904	
<	0	64	280	344	560	624	840	904	
G01	K2	К3	C2	C3	M2	M3	Y2	Y3	
>	0	64	280	344	560	624	840	904	
<	0	64	280	344	560	624	840	904	

The trapping color value here is used to fill the internal trapping color shift of the print head.

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10Automatic cleaning

工程模式 「「家模式」 网络设置	
自动清洗参数	
清洗模式: 美闭	
喷头组合: 双头-全部(2个头) ▼	
清洗间隔: 3 PASS	
┌打印前闪喷	_ 打印中闪喷
闪喷频率: 128 🗾 Hz	闪喷频率: 512 🔽 Hz
闪喷次数: 3 次	闪喷次数: 3 次
单次闪喷时间: 1000 毫秒	单次闪喷时间: 1000 毫秒
闪喷间隔时间: 1000 毫秒	闪喷间隔时间: 1000 毫秒

No.	Name	Function description
1	Cleaning mode	Automatic cleaning on/off selection
2	print head combination	Selection of combined cleaning between different print heads
3	Cleaning interval	When the flash spraying printing is on, the flash spray is carried out after each set number of passes.
4	Flash spray frequency	The number of times the print head ejects per second
5	Flash spray times	Stop the flash spray after several flash spray cycles in succession
6	Single flash spray time	One flash spray cycle, continuous flash spray time
7	Flash spray interval time	Two flash spray intervals

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11Manual cleaning

	手动	青洗参数						
	┌抽墨	参数	清洗。弱	•]	- 闪喷参数		
		抽墨次数:	1	次		闪喷频率:	512 💌	Hz
		抽墨时间:	500	 毫秒		闪喷次数:	10	次
	Į	岫墨后静止时间:	10000	 毫秒		单次闪喷时间:	800	臺秒
		抽废墨时间:	1500	 毫秒		闪喷间隔时间:	200	毫秒
	一沿靠	式闪喷位移动参数 小车移出速度: 小车移出距离:	数 1 0	毫米/秒 毫米 确认位置				
No.		Name		Function descrip	tion			
1		Number of pumping	of ink	Number of ink p	umping du	uring manual clean	ing	
2		Ink pu time	mping	The duration of e	each ink p	umping		
3		Static time ink pumpin	e after Ig	After the ink pun the next operatio	nping is co n.	ompleted, wait for	the set time	before proceeding to
		Waste pumping tin	ink me	Start time to pum	np waste in	nk from motor		
		Trolley re speed	emoval	In sliding flash s specified position	spray, the	speed of movemen	nt when the	trolley moves to the
		Trolley re distance	emoval	The flash spray p	position in	sliding flash spray	7	

12. Automatic flash spray

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自动闪喷参数				
┌┍ 自动闪喷 ─────		手动闪喷		
自动闪喷频率:	512 Hz	闪喷频率:	512 • Hz	
单次闪喷时间:	1000 毫秒	闪喷次数:	2 次	
闪喷间隔时间:	5000 毫秒	单次闪喷时间:	15000 毫和	沙
自动抽废墨周期:	50 次数	闪喷间隔时间:	○ 毫種	步
抽废墨时间:	1000 毫秒			
	1000 毫秒			

No.	Name	Function description
1	Automatic flash spray frequency	The number of inkjet ejections per second during automatic flash spray
2	Single flash spray time	One flash spray cycle, continuous flash spray time
3	Flash spray interval time	Interval between two flash sprays
4	Automatic waste ink pumping cycle	During the automatic flash spray process, carry out one waste ink pumping after setting flash spray times
5	Waste ink pumping time	Start time to evacuate the waste ink motor

13Running machine

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跑机参数			
小车开始位置:	۵	脉冲(0.00毫米)	
小车最大位置 <mark>:</mark>	200000	脉冲(1904.88毫米)	确认位置
单向走纸距离:	6	毫米	
最大走纸距离:	120	毫米	确认位置
刮片移出位置 <mark>:</mark>	12300	脉冲	确认位置
	开始跑机	停止跑机	

No.	Name	Function description
1	Thestartingpositionoftrolley	The starting position of the trolley when running the machine
2	The maximum position of the trolley	The end position of the trolley when running the machine
3	One-way paper- feeding distance	The distance of paper feeding of one round of trolley movement in the Y direction
4	Maximum paper- feeding distance	The total distance of the paper feeding in the Y direction in the machine running
5	Blade removal position	The distance the blade is removed from the origin of the blade during the running

14Paper feeding

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打印前/后走纸模式 打印前走纸模式:	不走纸	•	纸张左边距微调:	0	
订印前/后走纸模式	1-1-7534		纸张检测	1-	建小
打印前进纸距离:	50	毫米	▶ 启用印前缺纸机	金测功能	
打印前退纸距离:	50	毫米	▶ 启用测纸功能		
打印后进纸距离:	50	毫米	测纸传感器偏移:	30	壹米
打印后遇纸距离:	50	毫米	测纸非检测区域:	100	毫米
			反向打印		
			□ 启用反向打印;	力能	

No.	Name	Function description
1	Paper feed mode before printing	Paper feed mode selection before printing
2	Paper feeding mode after printing	Paper feed mode selection after printing
3	Paper feeding distance before printing	Set distance of paper feeding before printing
	Paper return distance before printing	Set distance of paper return before printing
4	Paper feeding distance after printing	Stop printing after the printing task is completed and paper feeding distance is set
	Paper return distance after printing	Stop printing after the printing task is completed and paper return distance is set
8	Fine adjustment of left margin and right margin of paper	Fine adjustment of the distance between the drawing to be printed and paper edge
9	Paper detection	Turn on/turn off paper detection of paper shortage detection
10	Test paper sensor offset	The horizontal distance between the test paper sensor probe and the raster decoder
11	Test paper non-detection area	The distance of the test paper sensor detection probe to the paper start mark

15 Others

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偏移设置			彩条浓度设置		
X白边起始偏移:	120	 毫米	彩条浓度弱:	20	百分比
X白边定位偏移:	-40	 毫米	彩条浓度中:	50	百分比
			彩条浓度强:	100	百分比
光栅设置			波形		
X光栅精度:	720	DPI	默认波形选择:	波形1	•
断线续打			缺墨检测		
打印中超时暂停时间:	30000	 憂秒	▼ 是否显示缺	と状态	
暫停后自动恢复时间:	1200000	臺秒	✓ 缺重时允许 「 缺重是否报報	最 16D	
边锐边打					
启动任务百分比:	5	%			
保湿					
▶ 启用保湿功能			-		

No.	Name	Function description
1	X white edge start offset	The distance from the print head to the printed material
2	X white edge positioning offset	White edge positioning error setting, its calculation formula: white edge positioning value - white edge positioning offset= white edge value + white edge starting offset
3	Raster setting	Set the precision of the grating (precision after four-way frequency)
4	Color bar concentration	The color bar concentration of different grades set different proportions
5	Waveform	Waveform selection
6	Timeout in printing	In the print, the dropout time reaches the set time and print pauses
7	Automatic recovery time after pause	After the pause, the network cable is detected to be connected within the set time, and the printing resumes automatically.
8	Ink shortage detection	Select the action to be taken when the ink is in shortage
9	Moisturizing	Turns on/off moisturizing function

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16Import / export firmware

16.1 Import firmware configuration

Click "Firmware Menu" to pop up the drop-down menu list and select "Import Firmware Configuration" to select the firmware configuration to be imported. Note the suffix is ..bsf, as shown below:



Click "Open" to enter the import firmware configuration state. At this time, you should not do anything. You will be prompted to "Import successfully" and view the debugging information. The message "Loading Flash successfully" indicates that the import is successful.

16.2 Import firmware parameters

Click "Firmware Menu" to pop up the drop-down menu list and select "Import Firmware Configuration" to select the firmware configuration to be imported. Note that the suffix is .xtf, as shown below:

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🎀 打开									×
$\leftarrow \rightarrow \cdot \uparrow$	~ 三嵬	月 → 3.74_1.2	3_DX5_FOUR_	HEA	~ Ō	搜索"3.74	_1.23_DX5_F	OUR	. <i>p</i>
组织 ▼ 新建文件	挟								?
💻 此电脑	^	名称		^		俏	验日期		类型
🧊 3D 对象		3.74_1.2	3_DX5_FOUR_H	HEADS_升降去	℃写真机.xtf	f 2	018/3/30 12	2:20	XTF 文
📲 视频									
▶ 图片									
🔮 文档									
🖊 下载									
🎝 音乐									
📃 桌面									
🏪 Windows (C:)									
🕳 新加卷 (D:)									
🔜 新加卷 (F:)									
🔺 网络	Υ.	<							>
	文件名	(N): 3.74_1.23	DX5 FOUR H	HEADS_升降式	写真 ~	扩展固件	(*.xtf)		\sim
		_				打开((<u>_)</u>	取消	

Click "Open" to enter the import firmware configuration state. At this time, you should not do anything. You will be prompted to "Import successfully" and check the debugging information. The message "Load parameter is successful" indicates that the import is successful.

16.3 Exporting firmware configuration

Click "Firmware Menu" to pop up the drop-down menu list, select "Export Firmware Configuration", save it in the specified directory, note that the suffix is .bsf, as shown below:

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Click "Open" to enter the export firmware configuration state. At this time, you should not do anything. You will be prompted to "export successfully"

16.4 Exporting firmware parameters

Click "Firmware Menu" to pop up the drop-down menu list, select "Export Firmware Parameters", save it in the specified directory, note the suffix is.xtf, click "Open" to enter the export firmware parameter status. No action should be done at this time and you will be prompted "export successful" later.

- VI. Button board operation instructions
- 1. Keyboard board button layout as shown below

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Button function list description

No.	Button name	Button function description
1	QUALITY	Feathering settings
2	CLEANING	Print cleaning
3	CANCEL	Print cancel
4	PAUSE	Print pause
5	ORIGIN	Reset to original point
6	NOZZLE	Drivet hand status
	TEST	Print head status
7	UP	Return

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8	DOWN	Feed
9	LEFT	Left shift
10	RIGHT	Right shift
11	MENU	Menu
12	ENTER	Confirmation
13	POWER	

2. Menu item description

All the functions of the menu items have been introduced in the print software setting interface or the manufacturer mode, and will not be described here.

3. Menu list

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