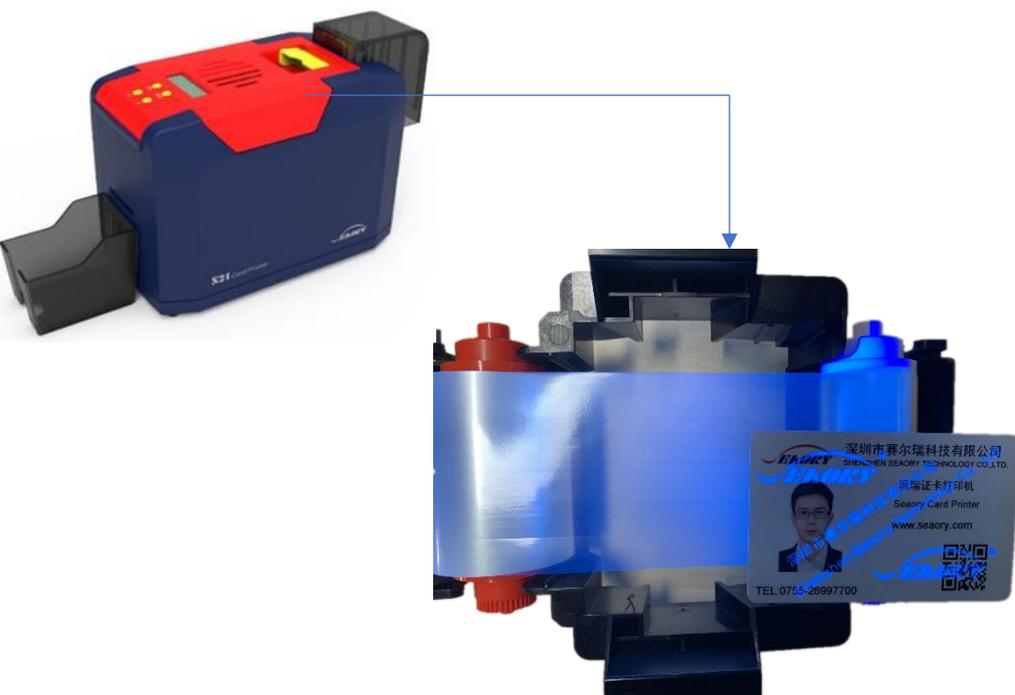




2018

UV Ultraviolet Security Printing Application Technology

## Operation Instruction



*Excellent quality  
Perfect service*

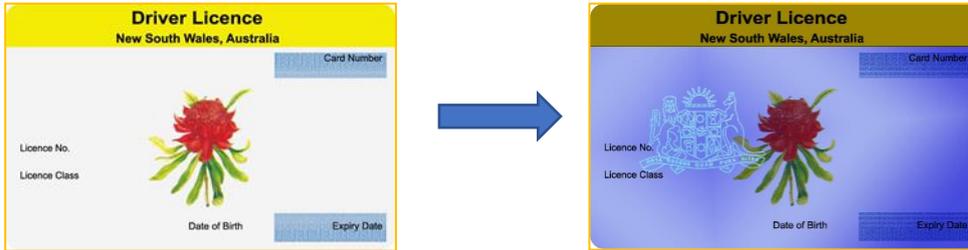
Shenzhen Seaory Technology Co., Ltd.

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# 1. Overview of UV security Printing Technology

UV security printing is widely used to enhance the protection and color of your card . Add fluorescent images or texts in a specific color of your choice to enable easy verification and additional security to your card.It has high clarity, obvious color changing effect, strong glossiness, good scraping resistance and saving ribbon etc characters.



By using Seatory S series card printers to realize the production of full-page color UV card printing. Say goodbye to the cumbersome bulk printing of large printing presses.As shown in the figure, it is recommended to implement Seatory S21+ Seatory S20 combined splicing scheme.



The photo effect under UV irradiation is very poor, but the actual printing quality is much better than shown above. Please feel free to choose.

## 2. Brief Description of Seaory UV Security Ribbons

### 2.1 Characters

- UV Anti-fake ribbon
- High resolution printing effect
- Discoloration effect is obvious under the purple lamp
- High speed printing and carbon tape saving
- High gloss and high density
- Scratch resistance is superior



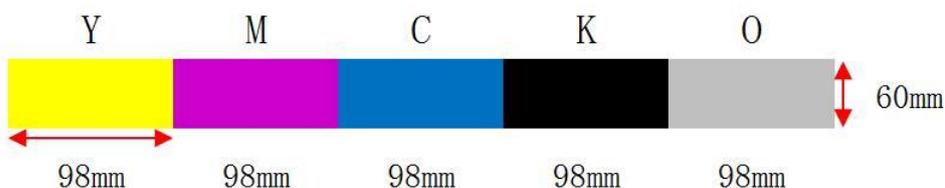
### 2.2 Main Parameters

Item	Parameters	Note
Anti-counterfeit effect	Fluorescent blue	
Suitable for	Seaory S20、S21、S22、S22K	
Number of prints per roll	1 Up to 1000	ISO CR80
size	100m×60mm	
Compatible cards	PVC or composite cards	
Come with accessories	1PC Cleaning roller and 1PC cleaning card	Card printer consumables
Part Number	耗材 00000342	
G.W	150g	
Packing size	96mmX62mmX105mm	

### 3. Seory S series Full-panel YMCKO Ribbon Brief Introduction

#### 3.1 Characters

- High resolution printing effect
- O panel clear protective overlay adopt transparent material for UV security printing
- High gloss and high density
- Scratch resistance is superior



#### 3.1 Main Parameters

Item	Parameters	Note
Suitable for	Seory S20、S21、S22、S22K	
Number of prints per roll	Up to 300	ISO CR80
Compatible cards	PVC or composite cards	
Come with	1PC Cleaning roller and 1PC cleaning card	Card printer consumables
Part Number	耗材 00000329	
G.W	200g	
Packing size	96mmX62mmX105mm	

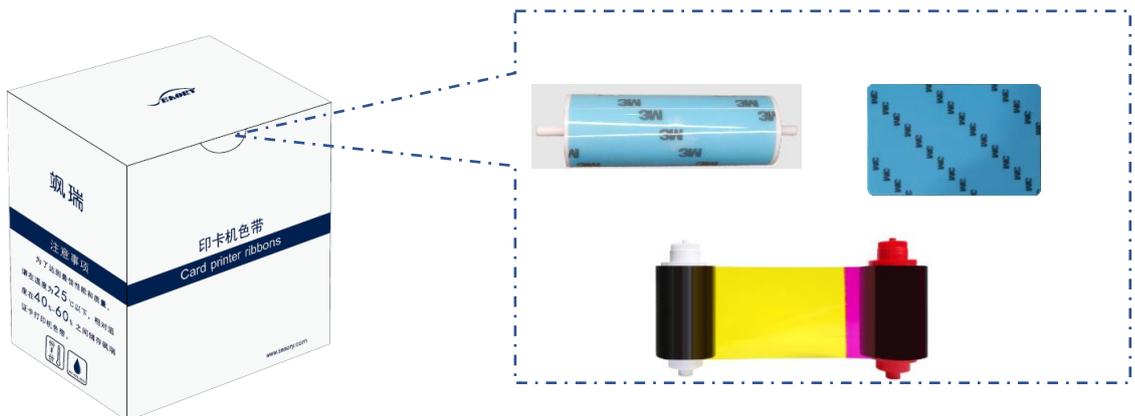
## 4. Preparation before usage and consumables option

### 4.1 Recommend card printer model

Seary S21 Desktop Single-sided Card Printer	Seary S20 Desktop Single-card Card Printer
	

### 4.2 Consumables Option

(1)、Seary S series Full-panel YMCKO Ribbon(O panel with No fluorescence)

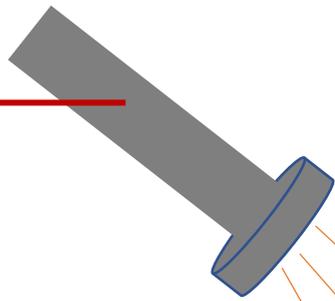


O panel within the full-panel YMCKO Ribbon must with no fluorescence.

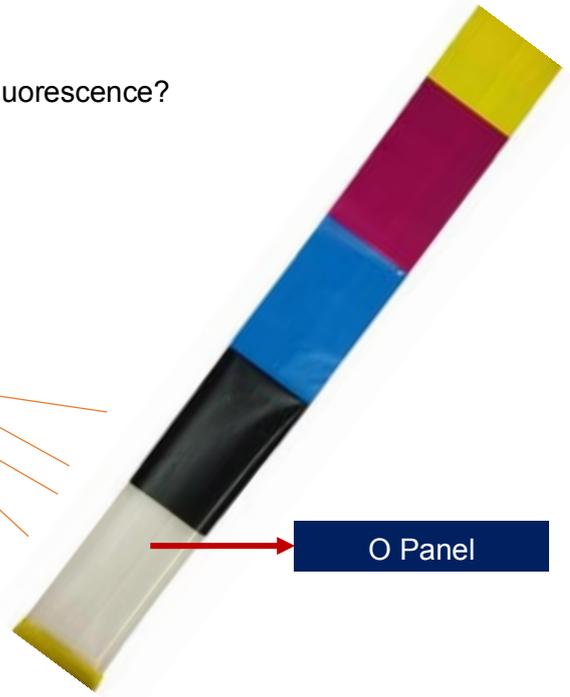


How to analysis O panel is with no fluorescence?

Purple light torch



O Panel

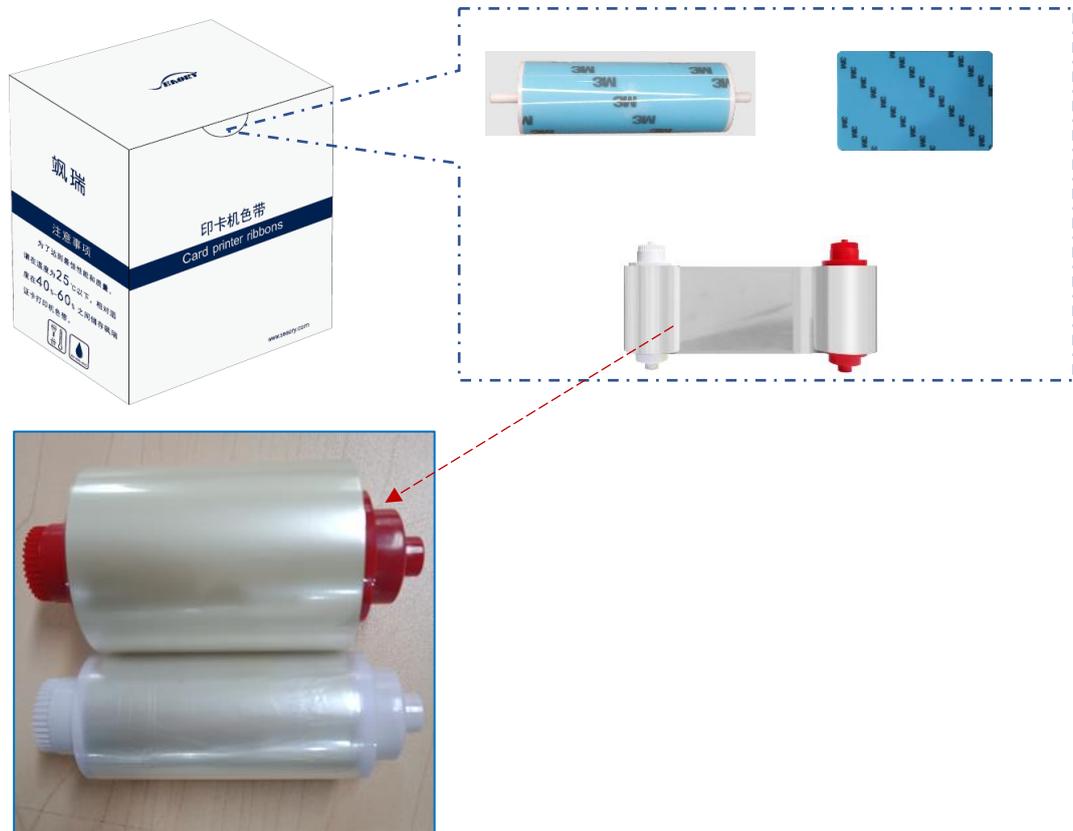


No Fluorescence



With Fluorescence

### 4.3 Seory UV Security Ribbons



#### (2) Blank Card

To get the best UV card printing effect, the printing blank card material must be:

PVC or composite cards

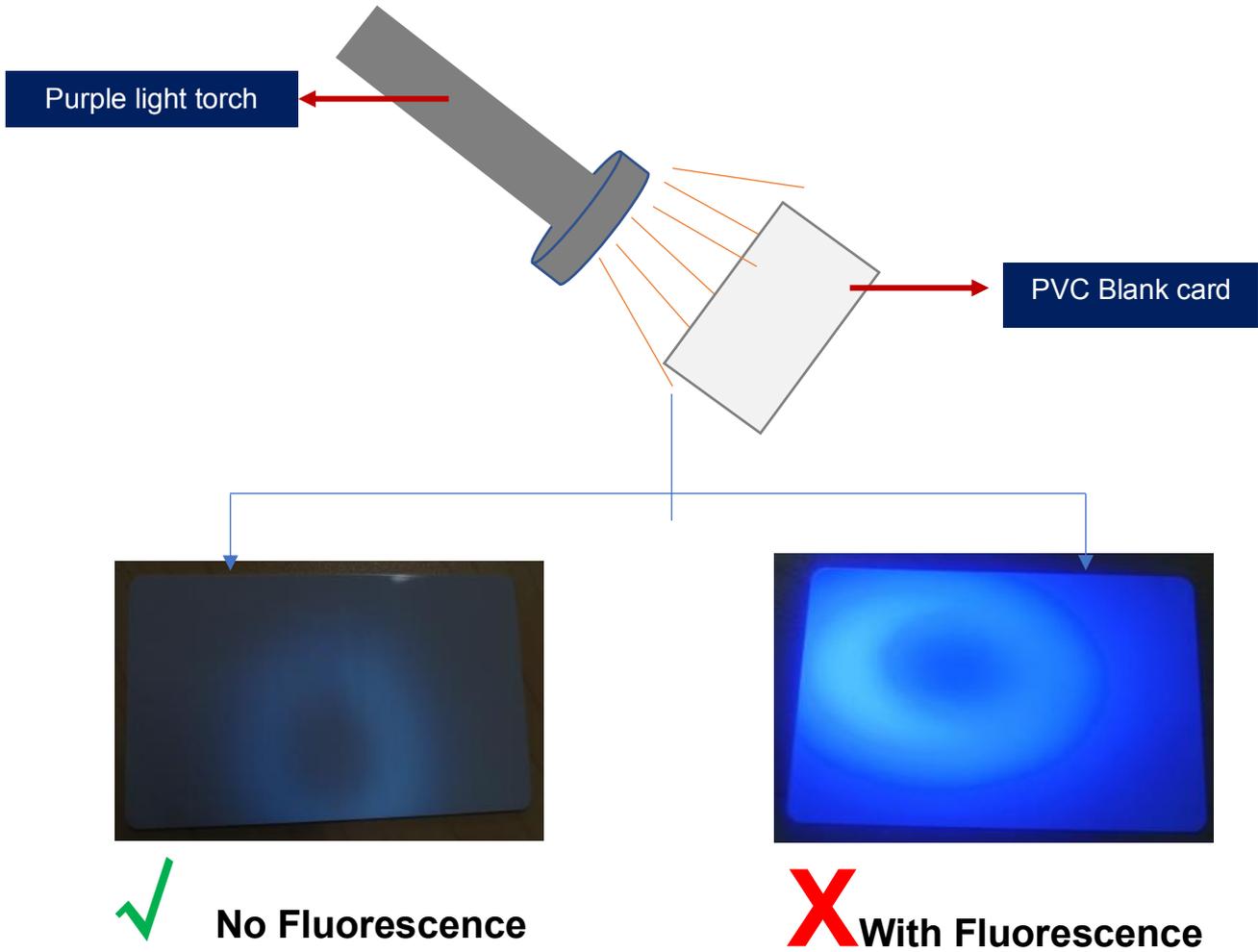
With no fluorescence material



If the card is with fluorescence, the UV card printing effect will be very poor.



How to analysis card is with no fluorescence material?

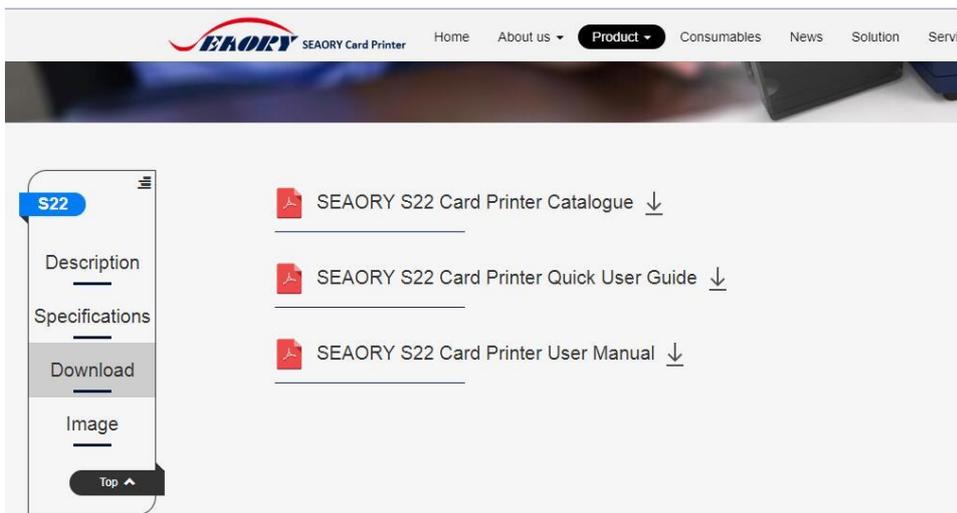


## 5. Hardware installation instruction

### 5.1 Preparation before installation

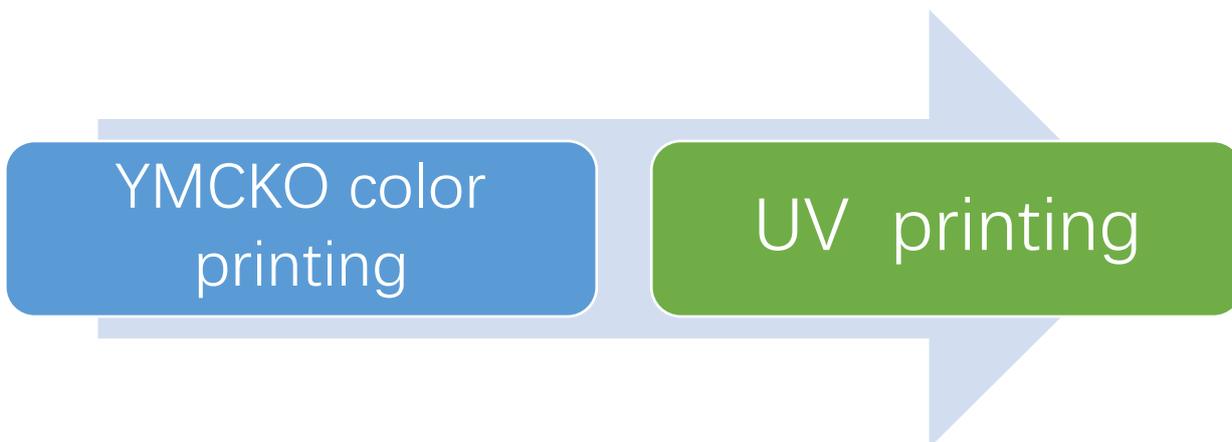
The following is for the overall layout of the Seaory UV printing solution only. More details about Seaory card printer's hardware and software, please refer to "Specification" and "Quick user guide" within CD in accessory box.

You can also download above all related document on official website :[www.seaory.com](http://www.seaory.com)



### 5.2 Card Printing

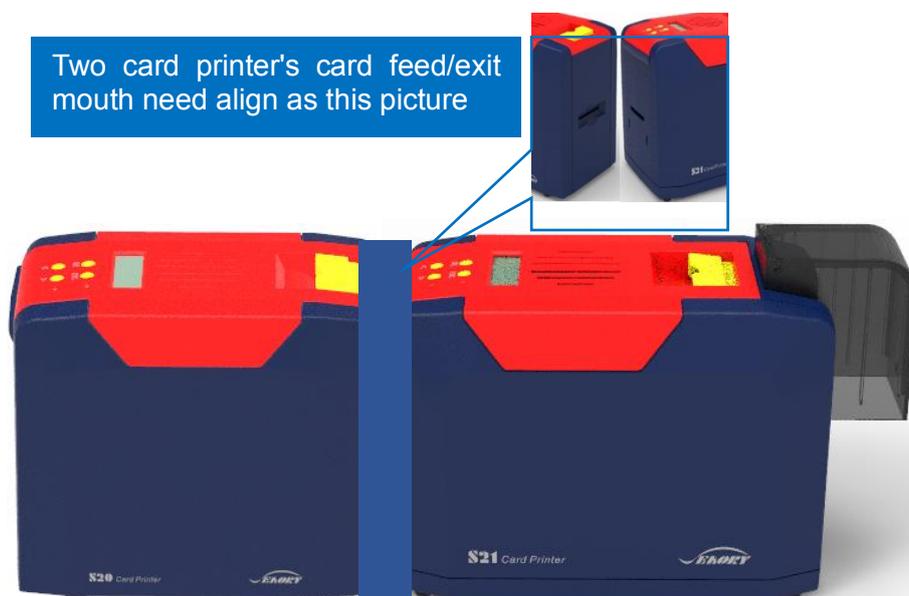
Firstly, S21 card printer is used to print the cards in YMCKO color printing, and then S20 card printer is used to print the cards in combination with UV printing technology. This can be controlled through the printing program.



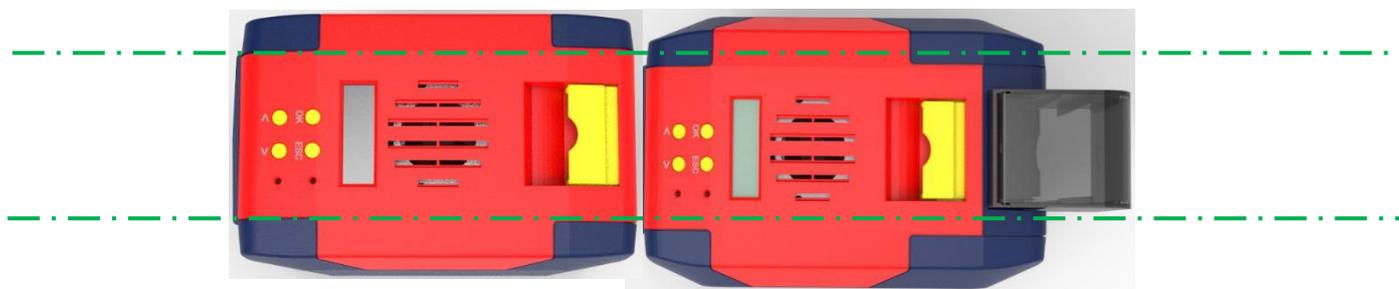
## 5.3 Hardware installation

### (1) Splice installation requirements

As shown in the figure below: Put the S21 and S20 card printer on the desktop, parallel and spaced between 10mm-20mm



The two printer covers must be aligned parallel as below picture.



You can study more details about Seory S series card printers in “Specification” and “Quick user guide”.

(3) 、 Consumables installation

Install the Full-panel YMCKO ribbon into Seary S21 Card printer.

Install uv security ribbon into Seary S20 Card printer.

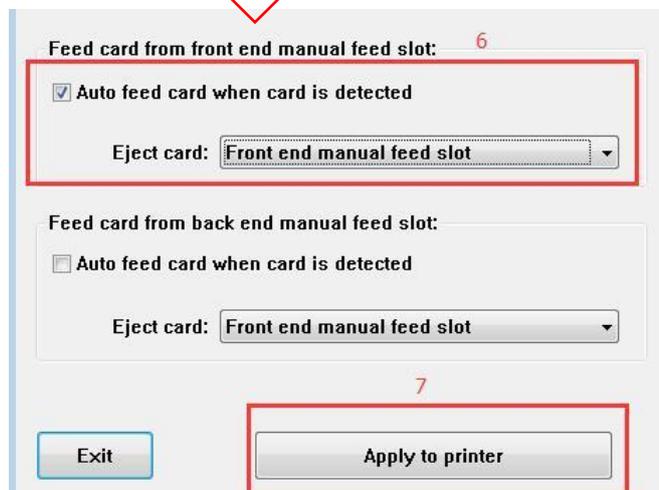
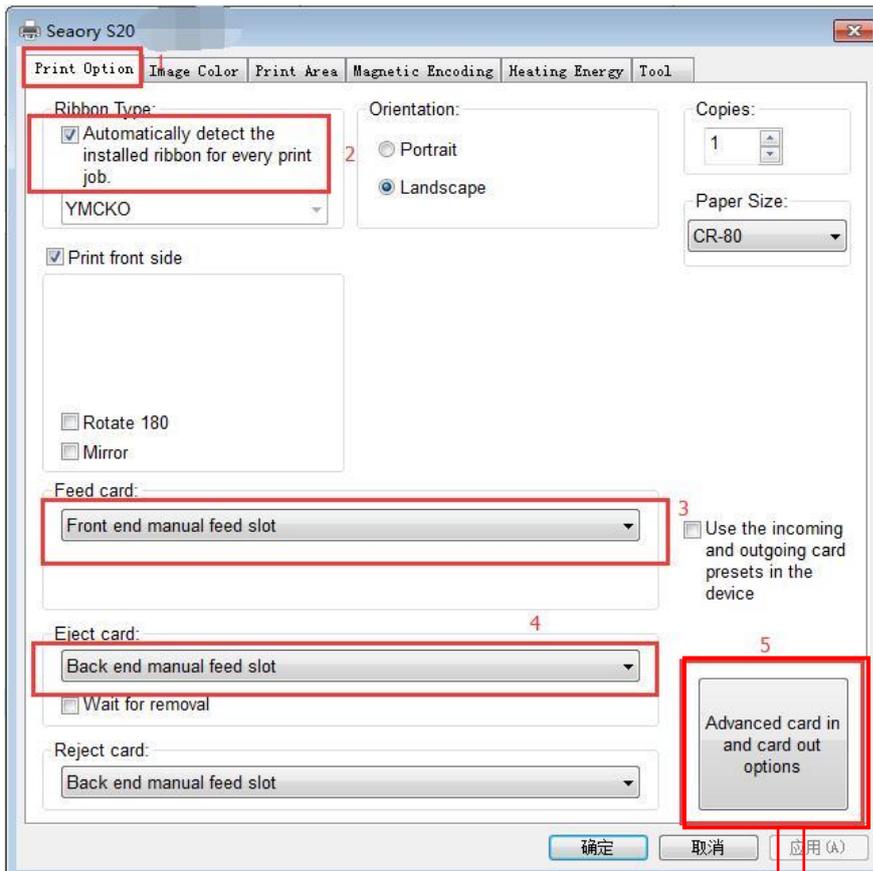


## 6. Printing test

### 6.1 Card feeding mouth and eject mouth setting

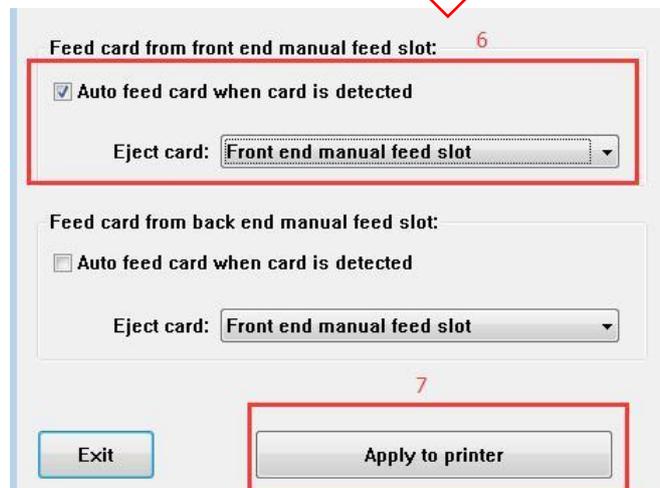
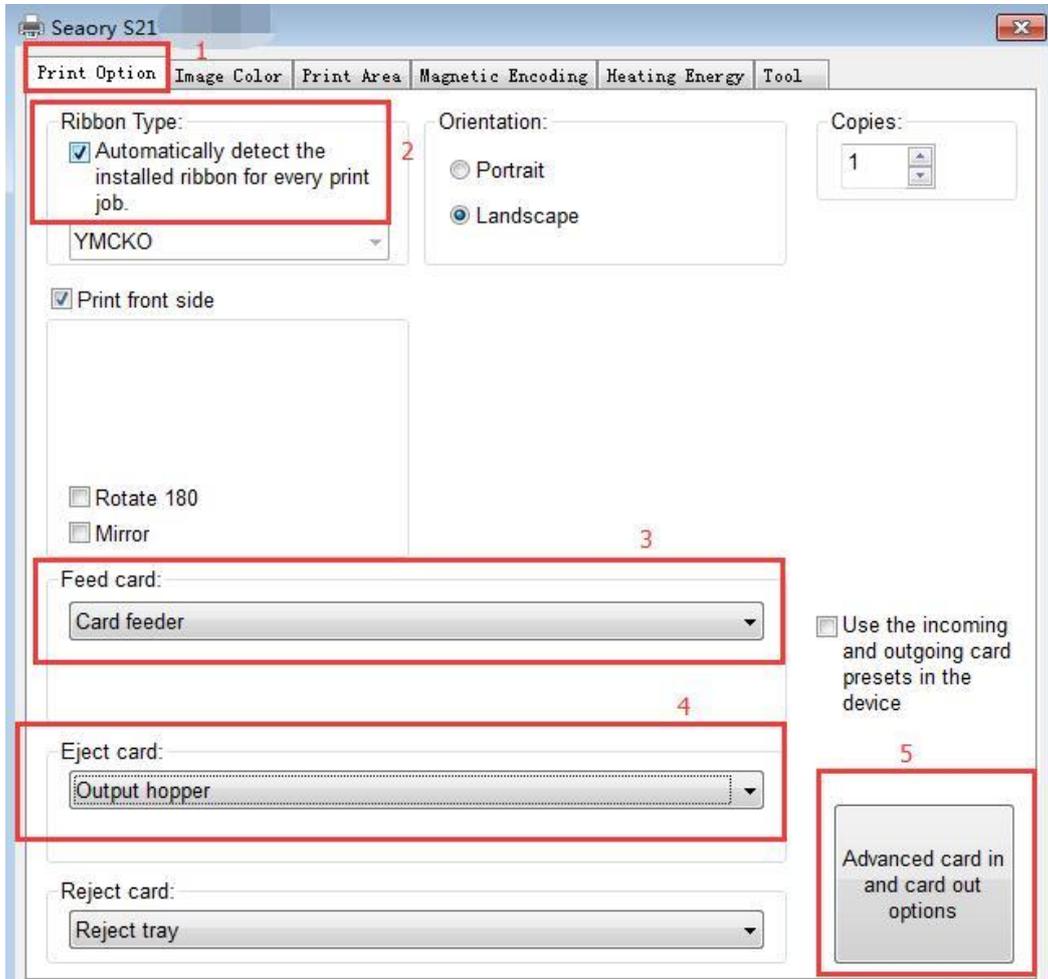
(1) Seatory S20 card printer setting:

Put your mouse on the selected “Seatory S20” printer, and click the right button, from the Printer menu, select “Printing preferences”. Then you will find “Print option”.



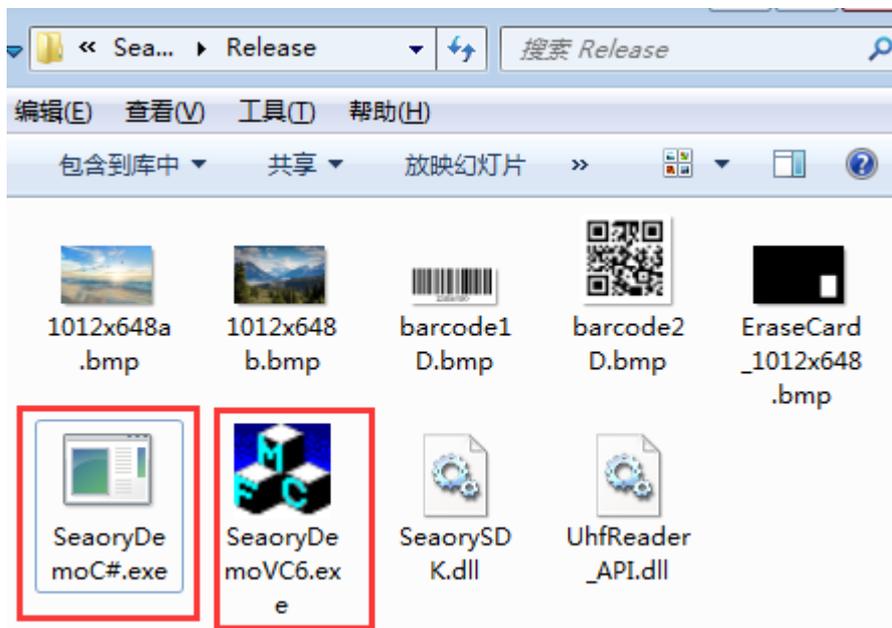
(2) Seatory S21 card printer setting:

Put your mouse on the selected “Seatory S21” printer, and click the right button, from the Printer menu, select “Printing preferences”. Then you will find “Print option”.

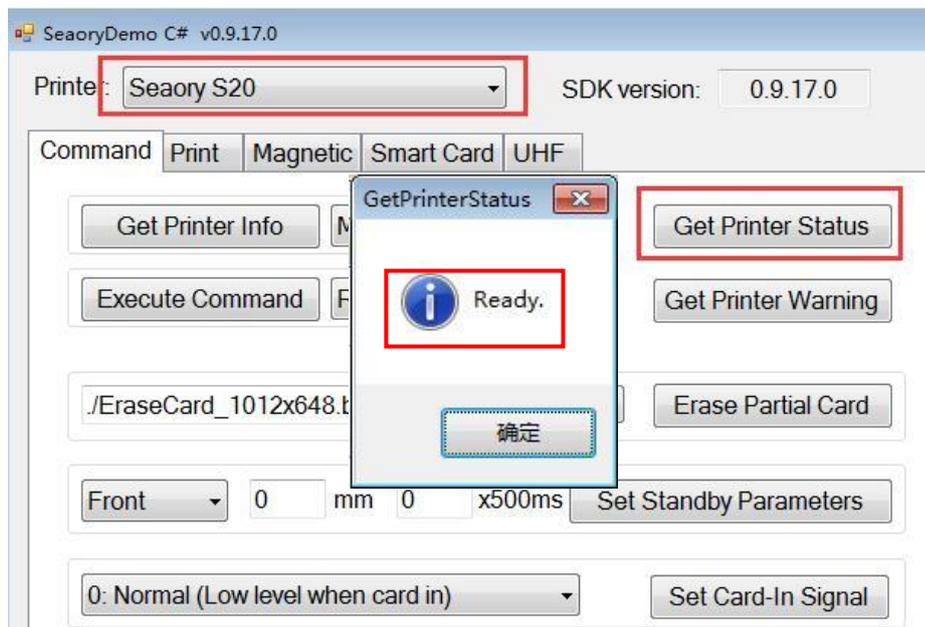


## 6.2 Printing test

(1) Open SeoryDemoVC6.exe or SeoryDemoC#.exe demonstration program. Below will introduce details about SeoryDemoVC6.exe.



(2) After installed ribbons and placed blank cards, please make sure the Seory S20 and S21 card printers are ready.

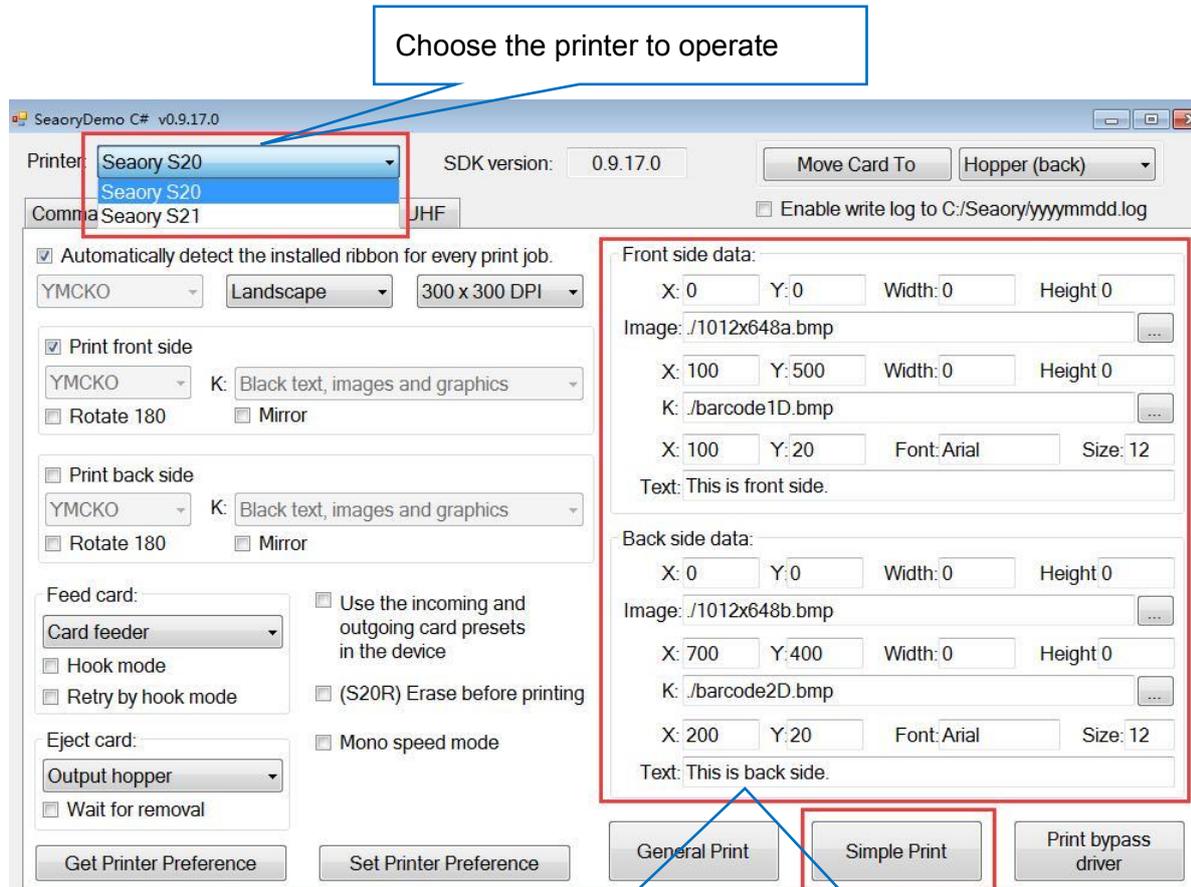


(2) Printing test steps

Setting the printing text and picture format, location, size etc as show in below picture.

After above setting steps, the Seaory S21 card printer will print the cards in YMCKO color printing firstly, then the card will insert into the Seaory S20 card printer automatically.

And the card will be exit out from S20 card printer back -end exit mouth after finished UV printing.



- Input and setting the text, text type, text number and location (X, Y) here
- Choose the printing picture or input the file path directly, setting the picture's location (X, Y) and size