\<Textile Digital Printing\>

Count 02 Digital printing

Task 2　Check the nozzle to clean the printing head

I. Task objectives

Can remember the method of checking the nozzle and describe how to clean the nozzle

Can manipulate the printing control software to complete the inspection of nozzle

Can judge whether the nozzle need to be cleaned according to the results of the nozzle inspection, if necessary, finish the cleaning of nozzle

II. Task description

To ensure the quality of the picture printing, it is necessary to check whether the nozzle is unobstructed before digital printing. By learning the relevant functions of the printing control software, the students can use the control software to complete the inspection of nozzle and clean the print head.

III. Knowledge preparation

The function of printer's nozzle

(1) Spray the ink onto the fabric according to the signal.

(2) There is a channel for ejecting ink in the nozzle. If the channel is blocked, the ink will not be ejected.
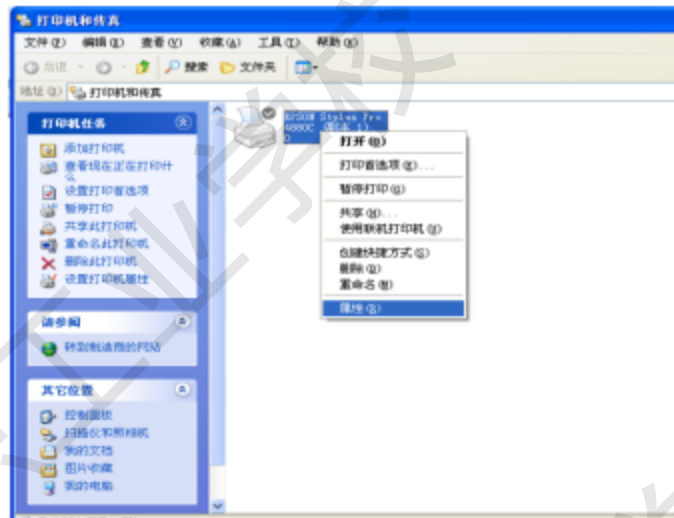
IV. Implementation of tasks

(1) Nozzle inspection

1. After the printer starts the self-test, we should fix the printing paper on the printing platform, and follow these steps to start the printing control software in the computer.

Step 1: Turn on the printer control software
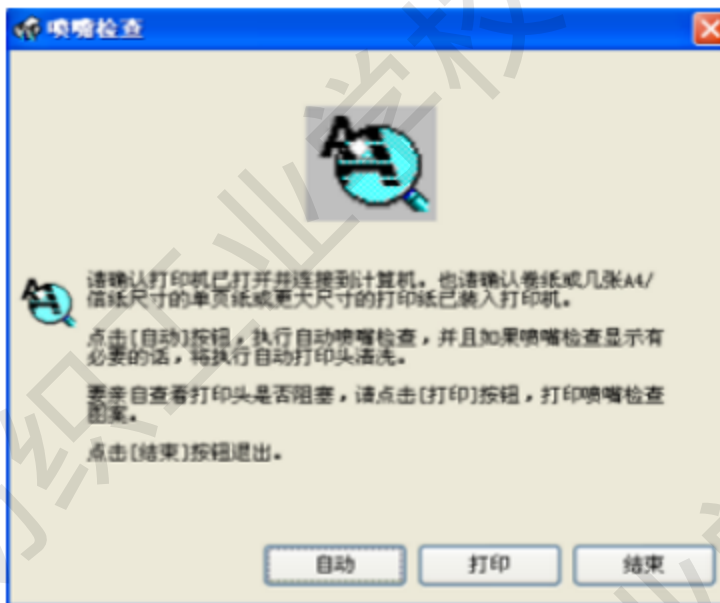
Click "Print Preferences"

Click "Application Tools"

In this interface , we can find the control item named "nozzle Check"

2. Conduct the nozzle inspection

Click the control item named "nozzle Check", the following interface appears after clicking "OK".

Click the button of "printing", and the printer shall automatically print the pattern on the papers which are placed on the printing platform. According to the printed pattern, it can be judged whether the nozzle is unobstructed.
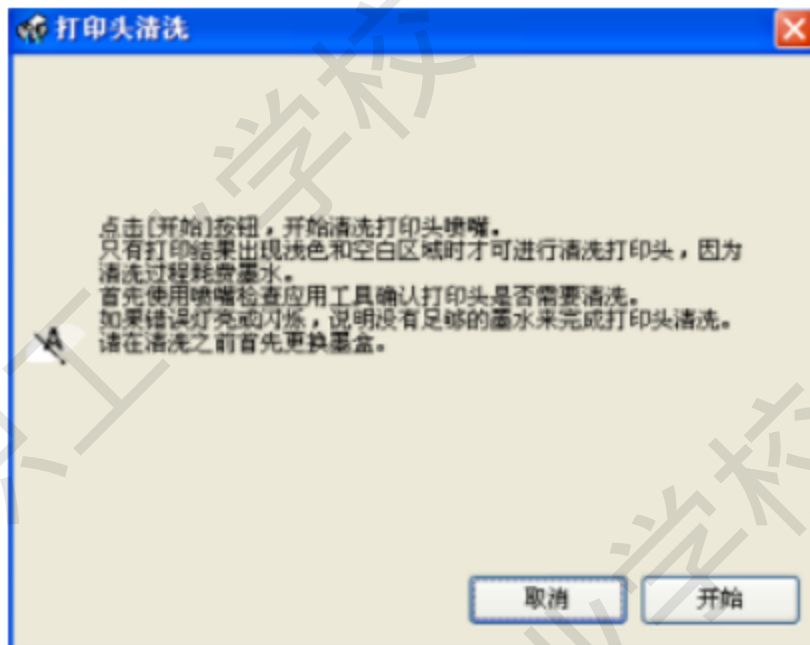
If the printed pattern is as in the first row of the figure below, with no break in the eight color blocks, it indicates that the nozzle is unobstructed.

If the printed pattern is as in the second row of the figure below, with broken line in one or more color blocks, it means that the nozzle is blocked and the print head needs to be cleaned.
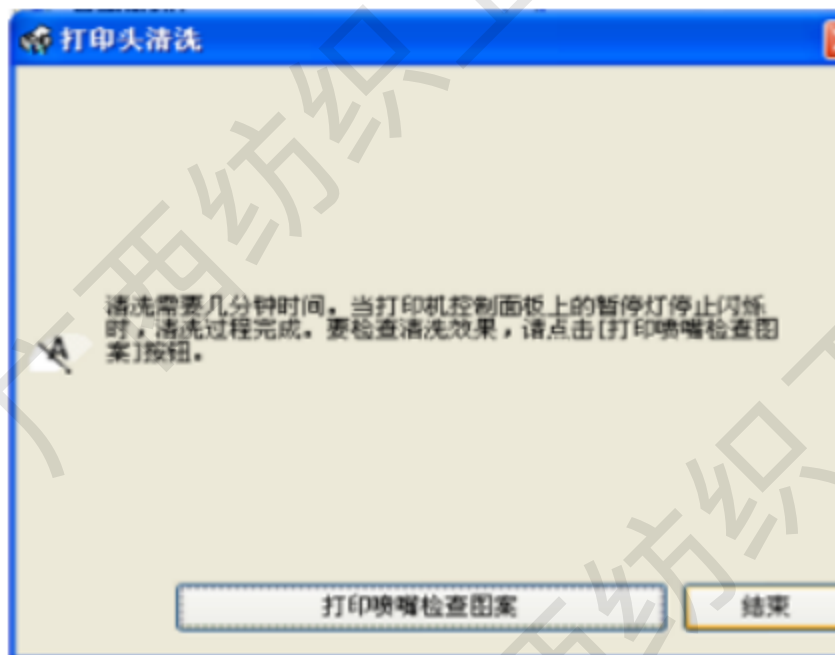

(2) Clean the print head

If the result of the nozzle check indicates that the print head needs to be cleaned, click the button of "print head cleaning" on the interface above, the following interface displays.

After clicking the "Start" option, the printer automatically cleans the print head until the following interface popup on the screen, indicating that the task of cleaning print head is completed.

Click the button of "Print the nozzle check pattern" to check the cleaning effect. Nozzle inspection and printing head cleaning can be repeated until the printed pattern shows that the nozzle is absolutely unobstructed.

V. Task expansion

If the above methods for nozzle inspection and printing head cleaning have been conducted for three times, the printed pattern is still not qualified, is there any other

way to clean the nozzle and printing head?(Refer to the instruction manual for printer)