ChengHe i Press series

ChengHe i Press S and i Press X are proof / photo printers using water-based ink.

ChengHe i Press S UV and i Press X UV are production printers using UV ink.

This document provides information on how to drive the printers from Fiery XF.

The following version of Fiery XF is the recommended version for ChengHe printers:

- Fiery XF for ChengHe

The drivers are also included in the following version (see licence below):

- Fiery XF 8.0.3

Supported printers

The following drivers exist:

| Printer model |
| --- |
| ChengHe i Press S |
| ChengHe i Press X |
| ChengHe i Press S UV |
| ChengHe i Press X UV |

License

Following license is required to run a ChengHe printer with Fiery XF:

- In regular channel version

    o a Printer Option Group 6 license is needed for i Press X UV.

    o a Printer Option Group 4 license is needed for all other models.

- In Fiery XF for ChengHe a Printer Option ChengHe is needed. Note: The Printer Option ChengHe is not supported in the regular channel version.

Setting up the printer in Fiery XF

Set up the export path in Server Manager to generate a *.prn file which you can load into the ChengHe Printer software.
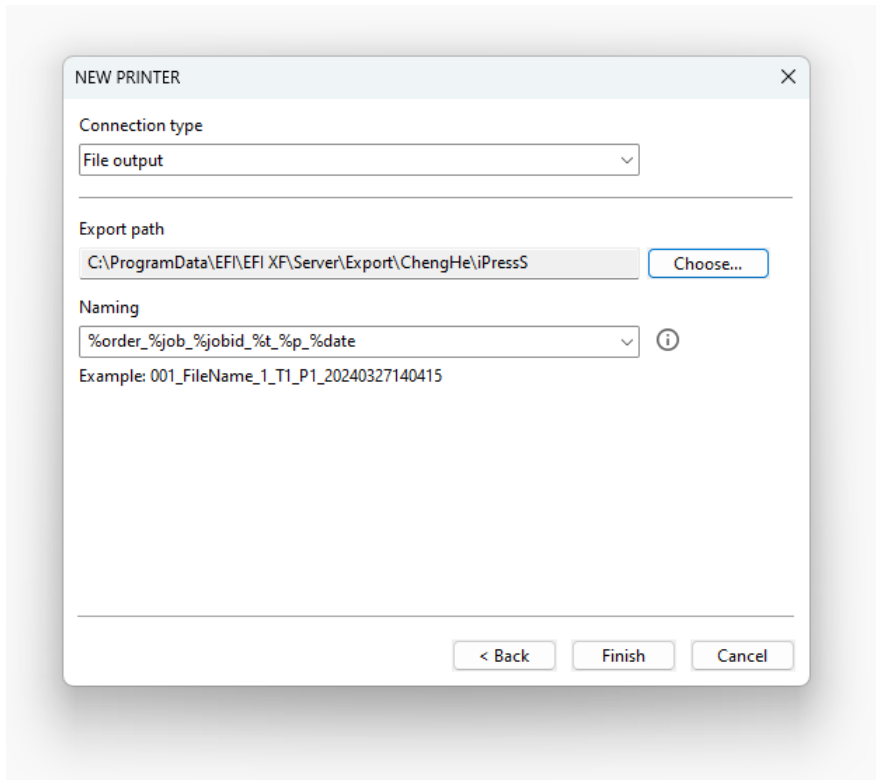
Settings

Resolutions

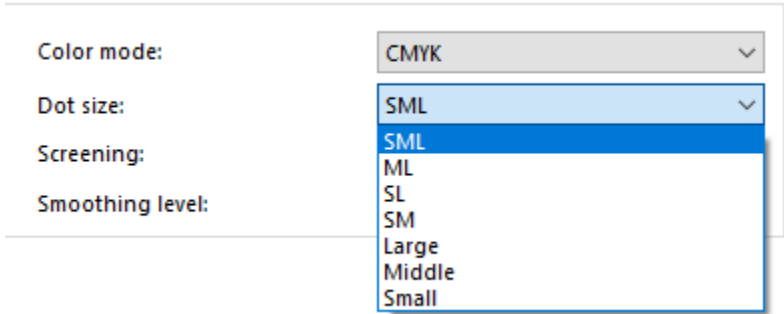The driver offers 720x1200, 720x1800, 720x2400, 720x3600.

For the UV models the driver offers 720x720, 720x1200, 720x1800, 720x2400.

Print modes

The driver offers 2,3,4,6,8,12,16,18,24,32,36 pass print modes.

Dot sizes

S, M, L stands for Small, Middle, Large dot.

Dot Size	Purpose
SML	Lowest resolution or high ink medium
ML	Higher head distance
SL	Anti-banding measure
SM	Middle resolution
Large	Highest head distance
Middle	Higher head distance, middle resolution
Small	High resolution

Color Modes

Water based models: The driver offers CMYK, CMYKcmkk, CMYKOGcm. Standard Linearization is used.

UV based models: The driver offers CMYK, CMYKcmOG. Advanced Linearization is used.
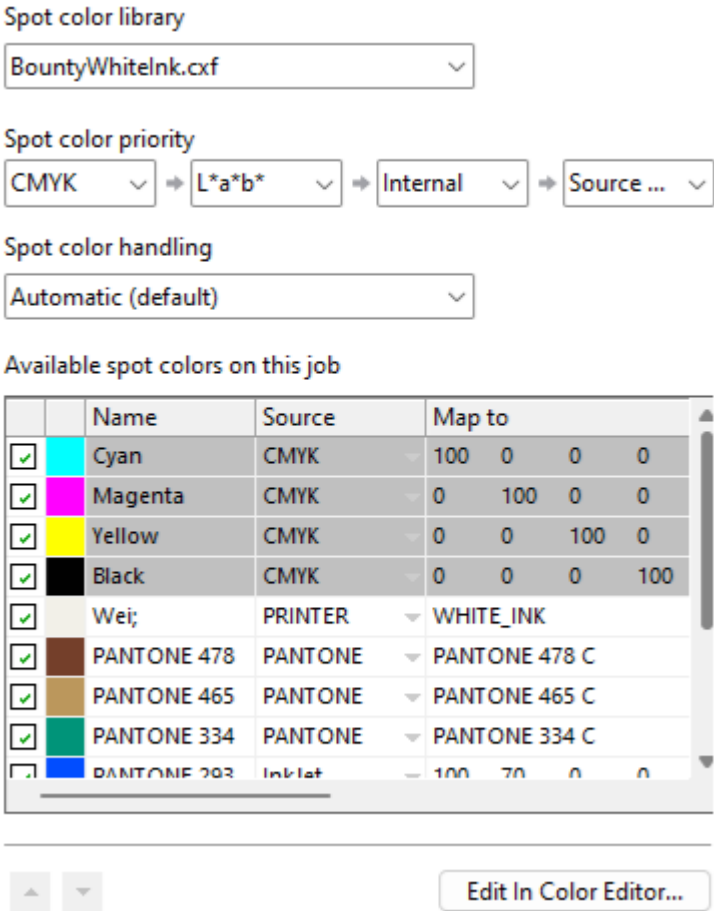
White Ink and Clear Ink

These settings are available for the UV printers.

Print mode lets you select how the spot color is generated. The default takes it from a separation of a separated job. You can also generate the spot color by a choice of algorithms.

White/Clear ink coverage sets the amount or factor of the color (depending on **Print mode** setting).

Spread and choke increases or decreases the image.

Spot color settings of a separated job:

Spot color library

BountyWhiteInk.cxf	∨

Spot color priority

CMYK	∨	⇒	L*a*b*	∨	⇒	Internal	∨	⇒	Source ...	∨

Spot color handling

Automatic (default)	∨

Available spot colors on this job

		Name	Source		Map to			
☑		Cyan	CMYK	▾	100	0	0	0
☑		Magenta	CMYK	▾	0	100	0	0
☑		Yellow	CMYK	▾	0	0	100	0
☑		Black	CMYK	▾	0	0	0	100
☑		Wei;	PRINTER	▾	WHITE_INK			
☑		PANTONE 478	PANTONE	▾	PANTONE 478 C			
☑		PANTONE 465	PANTONE	▾	PANTONE 465 C			
☑		PANTONE 334	PANTONE	▾	PANTONE 334 C			
☐		PANTONE 293	InkJet	▾	100	70	0	0

▲	▾		Edit In Color Editor...

In this Job Editor example, the job contains a separation "Weiß" (German for White) which is assigned directly to the printer-specific spot color "WHITE_INK", bypassing color management. Together with the Print mode setting "Spot color WHITE_INK", the separation "Weiß" is printed with the white ink of the printer.

Another case of bypassing color management for a certain separation is the Source "InkJet". If you want to print a "Barcode" separation with printer black only, Source "InkJet", Map to "0 0 0 100" is what you need.

With Color Editor you can manage such settings and store them in a Spot color library.