WEIGANG WG S210 S230 S350

WEIGANG WG S210, WG S230 and WG S350 are label printers using UV ink.

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

The following version of Fiery XF is required:

- Fiery XF Server (v. 8.0.3 and higher)
  For more information, contact Fiery XF technical support.

Supported printers

The following drivers exist:

Printer model	Roll width	Print head	Board
WEIGANG WG S210 Meteor	210 mm	S3200-U1	Meteor
WEIGANG WG S210 Royal	210 mm	S3200-U1	Royal
WEIGANG WG S350 Meteor	350 mm	S3200-U1	Meteor
WEIGANG WG S350 Royal	350 mm	S3200-U1	Royal
WEIGANG WG S230 W Royal	230 mm	S3200-U1/U3	Royal
WEIGANG WG S350 W V Royal	350 mm	S3200-U1/U3	Royal

The drivers are also suitable for model variants WG S350 Pro and ZJR S350 Pro.

License

You require a license for the Printer Option Group 6.

Installation

The drivers support file output to an export folder. Please make sure the driver matches the controller board:

- Royal drivers write PRN format suitable for Royal boards.

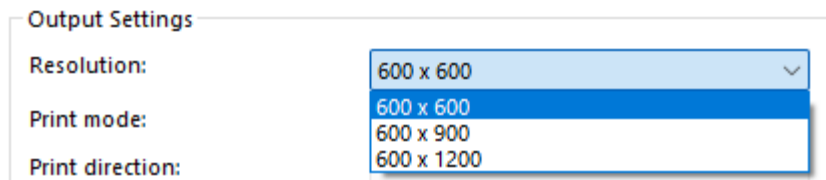- Meteor drivers write PRT format suitable for Meteor boards.

Settings

Color Mode

The drivers support CMYK (Advanced Linearization)

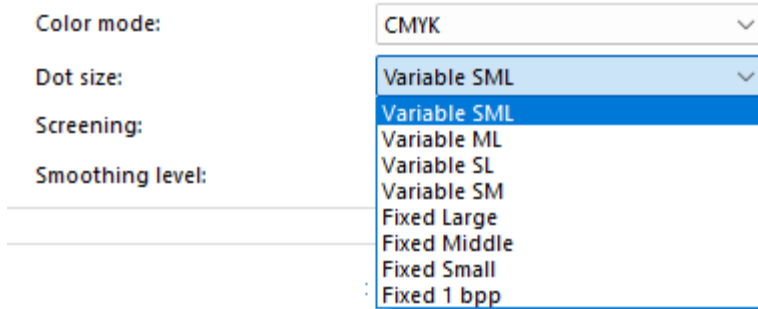## Resolutions

The driver offers:

- 600x600

- 600x900

- 600x1200

At the printer the resolutions appear as 600x600, 900x600 and 1200x600. See Rotation.
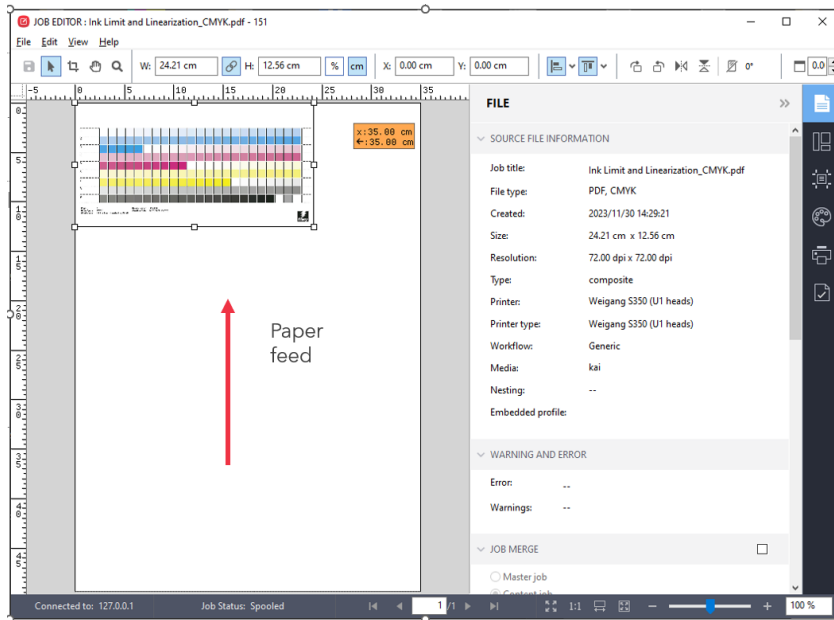
Dot sizes

This is the choice of Dot sizes:

Dot Size	Comment
Variable SML	Standard
Variable ML	Middle and large dot. For more head height
Variable SL	Small and large dot
Variable SM	Small and middle dot. For higher resolution
Fixed Large	Maximum head height.
Fixed Middle	More head height and higher resolution
Fixed Small	For highest resolution
Fixed 1 bpp	Similar to fixed Middle. Data format is 1 bit per pixel. Not supported by Meteor board.

Rotation

This is the Fiery XF view of a job on a WG S350.

The **width** of a job is limited to 210 mm or 350 mm. The **height** can be up to 100 m.

The Weigang view is from the side. The paper feed direction is from left to right and the **height** of a job is limited to 210 mm or 350 mm. The **width** can be more.

The driver rotates the print data 90 degrees clockwise because Fiery XF does not support a view from the side.

The following table illustrates the behavior:

Color Tools resolution	Print data resolution
600x600	600x600
600x900	900x600
600x1200	1200x600

White Ink and Clear Ink

These settings are available for the printers:

- WEIGANG WG S230 W Royal

- WEIGANG WG S350 W V Royal

White ink printing

Print mode

| Spot color WHITE_INK | ⌄ |

White ink coverage: 100 %

Spread and choke 0.00 mm

Clear ink printing

Print mode

| Spot color CLEAR_INK | ⌄ |

Clear ink coverage 100 %

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.