Mimaki TS300P-1800

This document bridges the gap between the Fiery XF documentation and the Mimaki TS300P-1800 documentation. Refer to the Installation section before you connect the printer to a computer.

The Operation section has information on profile generation and everyday use. Please refer also to the Operation Manual.

General settings

For a TS300P printer, select the Fiery XF driver that matches the ink configuration in the printer:

XF Model	Description
Mimaki TS300P-1800 BMYK Mimaki TS300P-1800 BMYKbm	Bl, M, Y, K (4 colors) Bl, M, Y, K, Lbl, Lm (6 colors)

Installation

1 Install Fiery XF that supports the Mimaki printer TS300P. The minimum requirement is Fiery XF 6.3.

The Fiery XF drivers for Mimaki printers are available only for Windows. Macintosh OS X is not supported.

2 To configure the output device in Fiery XF System Manager:

The Mimaki TS300P can be connected as a special USB device or via an Ethernet TCP/IP network.

Connection via USB

- Make sure Mimaki USB driver is installed. The driver is downloadable from http://eng.mimaki.co.jp/product/inkjet/textile/ts300p-1800/download-driver.html. Mimaki USB driver version 4.1.2 or later is recommended. The Fiery XF driver has not been tested for Mimaki USB driver versions earlier than 4.1.2.

  Follow the instructions in the Mimaki USB Driver Install Guide before you connect the printer.

- Make sure the printer is connected to the PC via USB cable and the printer is switched on.
- In Fiery XF, go to System Manager. On the Device tab, go to the Information pane. Under “Manufacturer” select “Mimaki” and then select the appropriate Device type, e.g. “Mimaki TS300P-1800 BMYK”.
- On the Device tab, go to the Connection pane and select the connection type: “Print via port”. Under “Port”, select the appropriate Mimaki TS300P printer. If the printer is not listed, check the USB cable connection and printer status.

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Nikhil Agarwal

Connection via Ethernet cable

- Make sure the printer is connected to the PC via Ethernet cable (either directly, or via network switch or LAN) and the printer is switched on. Make sure also that the printer and the PC are in the same subnet.

  The printer supports only Gigabit networks. It may not work with slower network connections. If your network switch/LAN does not support Gigabit, try connecting the PC directly to the printer using an Ethernet cable. A crossover cable is not required.

- In Fiery XF, go to System Manager. On the Device tab, go to the Information pane. Under “Manufacturer” select “Mimaki” and then select the appropriate Device type, e.g. “Mimaki TS300P-1800 BMYK”.
- On the Device tab, go to the Connection pane and select the connection type: “Print via IP network”. Under “IP address”, type the printer’s IP address. You can check the IP address at the printer’s control panel.
- Click “Test” to make sure that the connection is OK.

Operation

Settings

You can access the ink layers settings in Color Tools via the “Media type” setting.

You can set the number of passes in Color Tools via the “Print mode” setting.

You can select a resolution in the range of 360 x 360 dpi to 720 x 1080 dpi.

Note that the ink amount may be higher in higher resolutions.

Creating profiles

Always check the control panel settings. They may override the RIP settings or otherwise affect print quality.

Drying time and the overall ink consumption are extremely important, especially in fast print modes. Observe the following recommendations:

- If your printer has light inks, reduce the starting point of norm ink. Setting it to 1/2 of the Color Tools setting (e.g. from 38% to 19%) is a good start.
- When creating a profile, increase the black length and width.
- When printing a narrow image, you get considerably less ink drying time between passes than when printing a wide image. If your print speed is very fast or you are printing white, you should make your printing width consistent. Do one of the following:
  - At the printer’s control panel, set “Logical Seek” to off.
  - At the printer’s control panel, set “Logical Seek” to “HOST”. Then, in the Fiery XF output device setting, make sure that “Logical seek” is set to off.
  - In System Manager, on the Layout Options pane, set the page layout for the workflow to right-aligned.
- The media width when creating a profile should relate to the width used for production (not more, not considerably less).

Option support

Media length correction

In Fiery XF you enter the target length and the actual length. The MEDIA COMP value is then calculated as follows: (target length / actual length -1) * 10000

This formula gives an exact MEDIA COMP value, although the corrected media length may be slightly inaccurate. For example, if you enter a target length of 100.60 cm and an actual length of 100.00 cm, the MEDIA COMP value will be +60.