TECHNICAL BULLETIN

CreoScitex
Customer Support

Vancouver Response Center
Tel: (604) 451-2727
Toll-Free Tel: (800) 472-2727
Fax: (604) 451-2713
Toll-Free Fax: (888) 767-2736

Customer Support Email:
callcentre@creoscitex.com

# Third Party TIFF Workflows and Print Console 1.0.x

Document Number: 78-0038B-B
Release Date: April, 2000

## Introduction

This document describes:

- Print Console documentation
- how third party RIPs connect to Print Console
- tips for the third party TIFF workflow
- calibration
- how to configure Print Console for a third party TIFF workflow
- how to use Print Console to process third party TIFF files

For more information on Print Console, see the *Print Console Reference Guide* and the *Print Console User Guide*.

## Print Console Documentation

Print Console documentation includes two manuals: *Print Console Reference Guide* and *Print Console User Guide*. It also includes this document, the *Third Party TIFF Workflows and Print Console Technical Bulletin*, which is a technical bulletin tailored to PCC, Barco, and Agfa and Print Console connectivity. For information on Brisque – Print Console connectivity, refer to the *Brisque-to-Print Console Connectivity (via Screen2Go)* technical bulletin.

The *Print Console Reference Guide* describes Print Console concepts, dialog boxes, windows, menus, system and job configuration. The *Print Console User Guide* contains software procedures for managing jobs on the Pending tab of the Queues window, on the Status window, and on the Processed tab of the Queues window.

This document describes how third party RIPs (PCC, Barco, and Agfa) connect to Print Console, where to configure calibration, how to configure Print Console for third party RIPs, and how to image media using third party TIFFs, Print Console, and an output device. It also includes some tips for the third party TIFF workflow.

## How Third Party TIFF Workflows Connect to Print Console

A third party TIFF workflow generates TIFF files through its RIP software, then, through hot folders, it submits TIFF files to Print Console. Creo TIFF Downloader opens the TIFF files and outputs raster data to the output device as commanded by Print Console. The TIFF files must contain 1-bit data that is already RIPed and screened. Creo TIFF Downloader does not modify or screen data in TIFF files.

**Note:** To submit files to Print Console through hot folders, third party RIPs must configure their hotfolders with their preferred transfer protocol, for example: an FTP transfer, file-copy, or NSF Hummingbird network connection. To set up the third party TIFF workflow, see the third party TIFF workflow's documentation. To configure Print Console hot folders, *see How to Configure Print Console for a third party TIFF workflow* on page 3.

Creo TIFF Downloader connectivity means third party TIFF workflows must generate TIFF files in a format that Creo TIFF Downloader recognizes. Creo TIFF Downloader requires files that are right-reading 1-bit raster data in portrait orientation. Depending on your media, the data is either negative or positive, rotated, or mirrorprinted.

Third party TIFF workflows must be configured to generate the TIFF files required for Creo TIFF Downloader and the output media. To configure third party TIFF workflows, refer to the third party TIFF workflow's documentation.



## Tips for Third Party TIFF Workflows

Following are four tips for third party TIFF workflows:

- You must define a default print setup in Print Console. See the *Print Console Reference Guide*.
- Third party TIFF workflows use a separated 1-bit per color TIFF workflow; Third party TIFF workflows do not use composite or pre-separated workflows.

CreoScitex

Creo Scitex
3700 Gilmore Way
Burnaby, BC
V5G 4M1 CANADA
Tel: 1-604-451-2700
www.creoscitex.com

- Four-up digital halftone proofing media require portrait QuarkXPress documents to be rotated 90º for the data to be correctly imaged on the media. The four-up media are taller than they are wide when loaded on the drum in the output device. For this reason, you must rotate portrait documents to move the 0,0 point to the bottom-right corner of the image, so it is correctly imaged. (The PostScript standard has the 0,0 point at the bottom-left corner of the image.) You can rotate portrait QuarkXPress documents using your RIP or by printing them from QuarkXPress in landscape orientation. See *Appendix A* on page 8.

- Print Console lets you use the output device to shift an image. You set up the image shift in your output medium. Image shift is set using the Image Shift in Device option on the Optional tab of the Configure Output Media dialog box in Print Console. The Image Shift in Device option lets you impose a job, and then use the output device to shift the imaging start point to accommodate different media.

## Calibration

In third party TIFF and Print Console workflows, file calibration occurs prior to the file entering the Print Console hot folder. Many third party TIFF workflows calibrate files during RIPing and screening, which means calibration is a function of the third party TIFF workflow, not Print Console. Files can also be calibrated in the Creo Copydot Toolkit. To create calibration curves, refer to the third party TIFF workflow documentation or to the Copydot Toolkit documentation.

## How to Configure Print Console for a Third Party TIFF Workflow

**Note:** Ensure you license Creo TIFF Downloader in the Configure Workstation dialog box in Print Console. See the *Print Console Reference Guide* for details.

Print Console requires two types of configurations: system and job. System configuration is described in the *Print Console Reference Guide*, and it includes, for example, configuring device media, output media, and workstation preferences. You must complete the system configurations before you begin the job-specific configurations. This section describes the job configurations required by Print Console to process third party TIFF workflow files.

In Print Console, for each job type you must configure:

- a print setup

- a hot folder

Print setups are a named collection of job-specific information. Print setups contain information such as RIP name, output medium name, auto approval setting, and queue priority. Print Console uses print setups to initialize job properties, and job properties instruct Print Console how to process jobs.



Creo Scitex
3700 Gilmore Way
Burnaby, BC
V5G 4M1 CANADA
Tel: 1-604-451-2700
www.creoscitex.com

Hot folders are a means of submitting jobs to Print Console. In Print Console, job submission mechanisms are called input queues. You must create a hot folder input queue for each print setup. You must then attach each print setup to its hot folder. When you submit a file to Print Console via a hot folder that has a print setup attached to it, Print Console uses the print setup configurations to initialize job properties for the incoming files. You can edit job properties as desired.

In summary, for every job type, you must create a print setup and hot folder. You must then attach the print setup to its hot folder. (These are the hot folders to which the third party TIFF workflow must automatically FTP or file-copy TIFF files.) For example, if you're imaging four-up and eight-up digital halftone proofs, you need to create:

| | |
|---|---|
| a print setup named 4-Up | a print setup named 8-Up |
| a hot folder named 4-Up | a hot folder named 8-Up |

You attach the 4-Up print setup to the 4-Up hot folder and the 8-Up print setup to the 8-Up hot folder. You then submit four-up jobs to the 4-Up hot folder and eight-up jobs to the 8-Up hot folder.

### *Creating a Film-Making Print Setup*

This section describes how to configure a print setup for film-making. When creating a print setup for film-making, set the following options as indicated in the Configure Print Setups dialog box in Print Console.

- In the **Output Medium** box, select an output medium for film-making.
- In the **RIP Name** box, select Creo TIFF Downloader.
- In the **Data Format** box, select TIFF.
- Clear the **Scan for Output Medium name** check box.
- Select the **Auto approve** check box to turn automatic job approval on.
- In the **Separation** tab, select the **Ignore RIP color names when matching** check box.

You can set the remaining options in the Configure Print Setups dialog box as desired.

**To create a print setup for film-making:**

- Follow the procedure in the *How to Create New Print Setups* section of *Chapter 7* in the *Print Console Reference Guide* and set the options as described in this section.



Creo Scitex
3700 Gilmore Way
Burnaby, BC
V5G 4M1 CANADA
Tel: 1-604-451-2700
www.creoscitex.com

### *Creating a Digital Halftone Proofmaking Print Setup*

This section describes how to configure a print setup for digital halftone proofmaking. When creating a print setup for digital halftone proofmaking, set the following options as indicated in the Configure Print Setups dialog box in Print Console.

- In the **Output Medium** box, select an output medium for digital halftone proofmaking.
- In the **RIP Name** box, select Creo TIFF Downloader.
- In the **Data Format** box, select TIFF.
- Clear the **Scan for Output Medium name** check box.
- Clear the **Auto approve** check box to turn automatic job approval off.
- In the **Separation** tab, select the **Ignore RIP color names when matching** check box.

You can set the remaining options in the Configure Print Setups dialog box as desired.

**To create a print setup for digital halftone proofmaking:**

- Follow the procedure in the *How to Create New Print Setups* section of *Chapter 7* in the *Print Console Reference Guide* and set the options as described in this section.

### *Creating a Plating Print Setup*

This section describes how to configure a print setup for platemaking. When creating a print setup for platemaking, set the following options as indicated in the Configure Print Setups dialog box in Print Console.

- In the **Output Medium** box, select an output medium for platemaking.
- In the **RIP Name** box, select Creo TIFF Downloader.
- In the **Data Format** box, select TIFF.
- Clear the **Scan for Output Medium name** check box.
- Select the **Auto approve** check box to turn automatic job approval on.
- In the **Separation** tab, select the **Ignore RIP color names when matching** check box.

You can set the remaining options on the Configure Print Setups dialog box as desired.



Creo Scitex
3700 Gilmore Way
Burnaby, BC
V5G 4M1 CANADA
Tel: 1-604-451-2700
www.creoscitex.com

**To create a print setup for platemaking:**

- Follow the procedure in the *How to Create New Print Setups* section of *Chapter 7* in the *Print Console Reference Guide* and set the options as described in this section.

### *Creating a Hot Folder Input Queue and Attaching a Print Setup to It*

You must create a hot folder for each print setup you create; then you must attach the print setup to its hot folder.

**To create a hot folder input queue and attach a print setup to it:**

1. Create a hot folder input queue.

   See the procedure in the *How to Create a Hot Folder Input Queue* section of *Chapter 7* in the *Print Console Reference Guide*.

2. Attach the correct print setup to the hot folder input queue.

   See the procedure in the *How to Attach a Print Setup to an Input Queue* section *of Chapter 7* in the *Print Console Reference Guide*.

## How to Use Print Console to Process Third Party TIFF Files

This section contains three procedures:

- imaging film
- imaging digital halftone proofs
- imaging plates

Before you can follow the procedures in this section, you must create a hot folder and print setup for each job type. See *How to Configure Print Console for a Third Party TIFF Workflow* on page 3.

### *Imaging Film*

This section describes how to submit third party TIFF workflow files to Print Console to image film.

**To image film:**

- Submit the TIFF files to Print Console through the third party TIFF workflow.

  The third party TIFF workflow is configured to automatically send its TIFF files (via FTP, file-copy, or NSF Hummingbird network) to the hot folder input queue you created. The files are displayed on the Pending tab of the Queues window in Print Console. The job is approved and ready for processing. When Print Console processes a job, it moves it to the Status window.

## *Imaging Digital Halftone Proofs*

This section describes how to submit third party TIFF files to Print Console to image digital halftone proofs.

**To image digital halftone proofs:**

1. Submit the TIFF files to Print Console through the third party RIP.

   The third party RIP is configured to automatically send its TIFF files (via FTP, file-copy, or NSF Hummingbird network) to the hot folder input queue you created. The files are displayed on the Pending tab of the Queues window in Print Console. Print Console reads the file name to determine the color of each TIFF file.

2. Group the TIFF files for your job together.

   For a procedure, see the *Grouping Pending Jobs* section in *Chapter 4* of the *Print Console User Guide*.

3. Create proof color mappings for the spot color TIFF files.

   For a procedure, see the *Managing Color Mappings* section in *Chapter 5* of the *Print Console User Guide*.

4. Ensure the color order of the TIFF files matches the color order of the media in the proofing cassette.

   For the procedure, see the *Ordering Color Separations* section in *Chapter 5* of the *Print Console User Guide*.

5. Approve the job for processing.

   For a procedure, see the *Approving Pending Jobs* section in *Chapter 4* of the *Print Console User Guide*.

   The job is approved and ready for processing. When Print Console processes a job, it moves it to the Status window.

### *Imaging Plates*

This section describes how to submit third party TIFF files to Print Console to image plates.

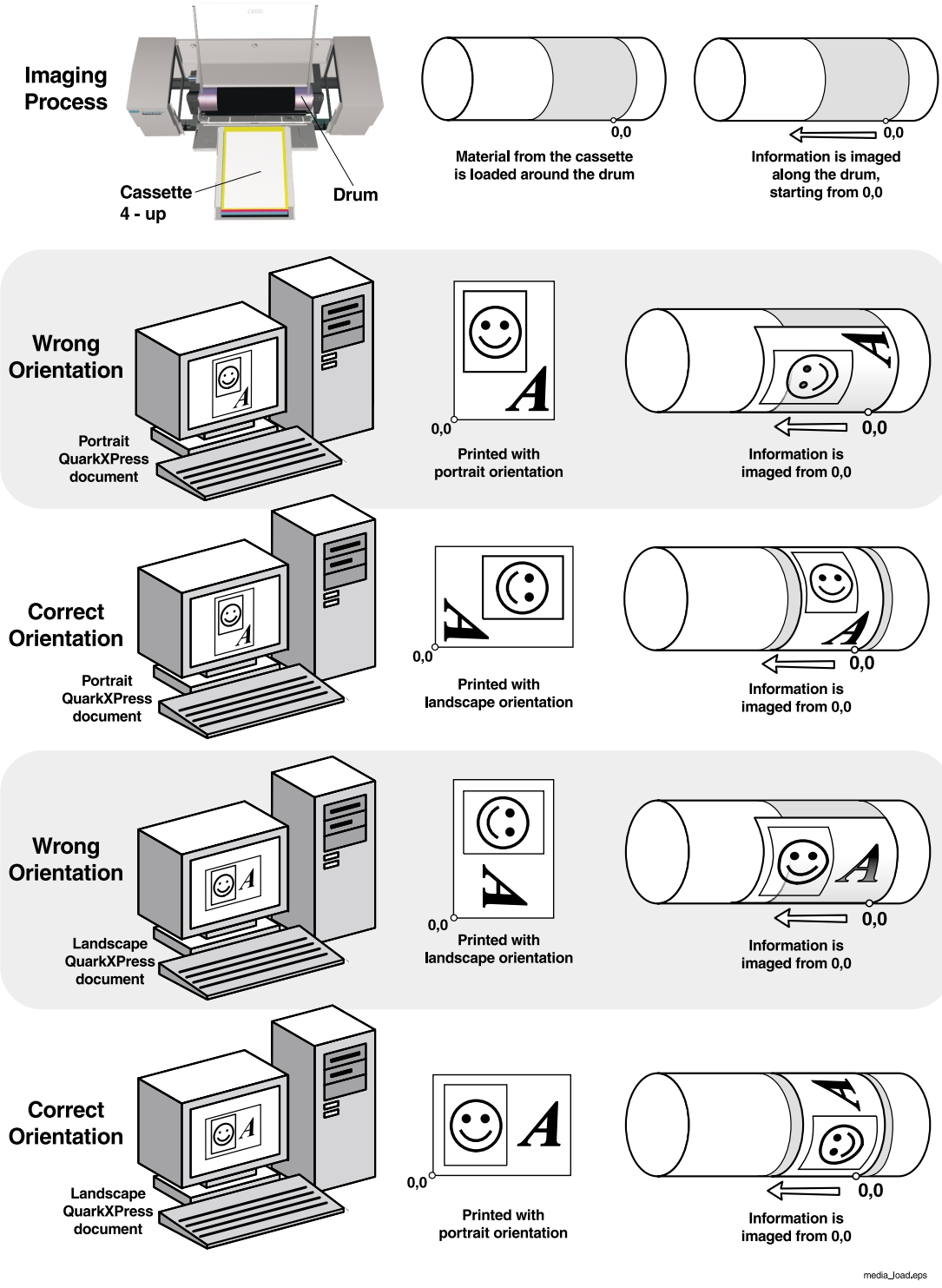
To image plates:

- Submit the TIFF files to Print Console through the third party TIFF workflow.

  The third party RIP is configured to automatically send its TIFF files (via FTP or file-copy) to the hot folder input queue you created. The files are displayed on the Pending tab of the Queues window in Print Console. The job is approved and ready for processing. When Print Console processes a job, it moves it to the Status window.

# Appendix A

The following diagram illustrates why portrait QuarkXPress documents must be rotated 90º for the output device to correctly image data on four-up digital halftone proofing media.




CreoScitex

Creo Scitex
3700 Gilmore Way
Burnaby, BC
V5G 4M1 CANADA
Tel: 1-604-451-2700
www.creoscitex.com