CIP3 Ink Control

Fusion RIP Option

The CIP3® Output Plugin enables the Fusion Harlequin® Eclipse RIP to produce Print Production Format (PPF) files containing information about print jobs, including administrative data, information about inks, and preview images. The PPF file is then read by a CIP3 reader (included with press control systems), which provides instructions for automatically setting ink fountains on press.

CIP3 file generation through the Fusion RIP is just as easy and automatic as generating the plates and films themselves. Integrating these CIP3 files into your press can bring you to color far faster, while reducing make-ready time, wastage and the need for plate scanners.

PPF : PRINT PRODUCTION FORMAT

PPF is the file format specification developed by the original CIP3 consortium. PPF files may contain any or all of the following items relating to the front and/or back of fully imposed press sheets:

- Inking data for the press, allowing auto matic setting of ink fountains on press. *

- Plate size and mounting position in relation to the press. *

- Separations required for the job. *

- Positions and colors of color test strips, allowing automatic setting of closed loop adjustments on press.

- Positions of registration marks, allowing automatic setting of registration test meters on press.

- Positions of fold and cut marks, allowing at least preliminary setup of post-press operations to be handled automatically.

    * Included in Fusion CIP3 Plugin PPF file

CIP3® & CIP4™ BACKGROUND INFORMATION

The term CIP3 stands for the International Cooperation for Integration of Processes in Pre-press, Press and Post-press.

CIP3 is an international standards body whose purpose is to encourage computer-based integration of all processes involved in graphic arts workflows by specifying and publishing standards.

CIP4 is the successor to CIP3, which started in 1995 as a joint initiative of vendors for the graphic arts industry.

The current focus of the association is on the development and adoption of the JDF (Job Definition Format) Specification, which incorporates the existing PPF format.

FUSION
S Y S T E M S
international

Specifications

CIP3 Plugin Version
Latest version: 1.4r8

RIP Version
Fusion Harlequin Eclipse or Genesis RIP Release™

CIP3 Specification Supported
CIP3 version 2.0 specification (can be read by all consuming applications), CIP3 Specification version 2.1 and version 3.0

Preview Image
CMYK color preview images 8-bits per pixel
Separated or unseparated
Spot colors supported for separated output files
User-selectable preview resolution (including 50.8dpi, recommended in PPF specification)

Compression
Uncompressed, Run Length Encoded (RLE) compressed files

Encoding
Binary (raw), Hexadecimal, and ASCII 85

Press-Sheet Work Styles
Single-sided sheets
Double-sided sheets:
Sheetwise, Work & Turn, Work & Tumble,
Perfecting Sheetwise, Perfecting Work & Turn,
Perfecting Work & Tumble, Double Sided Web

Other User Controls
Configurable sheet and job name fields
Configurable transforms and extents
Single separation per PPF file if required
Negative output

Supported CIP3 readers
Heidelberg CPC32
MAN Roland PPI2
Graphics Microsystems, Inc. CIP3 reader
Heidelberg Web PrePress Gateway
Eltromat/KBA

There are other readers compatible with Harlequin-generated CIP3 PPF files. This list shows only those readers that have been tested either by Harlequin or by the vendor (where the vendor has informed us of a positive result).

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