

# ServerPLUS RIP

ADVANCED RASTER IMAGE PROCESSING

# FUSION

## Scalable Harlequin RIP Architecture

Fusion Systems International provides a full range of multi-thread enabled PostScript Level 3 Raster Image Processors (RIPs) and production plug-ins for the Apple OS X and Windows operating systems.

Fusion Server PLUS RIPs are designed to take full advantage of hyper-threading and the latest multi-core and multiple processor CPU architectures. The result is remarkably fast file processing performance and workflow reliability.

Based on the latest raster image processing technology, Fusion's Server Plus RIPs can be configured to meet specific production needs.

A broad range of productivity enhancements are available, providing a modular solution for outstanding performance, reliability, digital integrity and workflow automation.

**The Fusion Server PLUS RIP** is ideal for driving a broad range of color proofers, wide format plotters, film and computer-to-plate (CTP) imagers.

**Advanced Native File Format Support** - PostScript Level 3 Compatible and support direct processing of PDF 1.2 - 1.7, PDF/X-1a:20001, PDF/X-3:2002, PDF/X-4, TIFF 6, TIFF/IT-P1, JPEG, DCS 2., EPS, and JBIG2 is standard. New extended file processing support includes Microsoft XPS 1.0 (XML Paper Specification), JDF 1.3, and HD Photo.

**Native Transparency Processing** - Improved capabilities provide native file processing of transparency layers and all the latest versions of graphics applications.

**Extended Font Format Support** - includes PostScript Type 0 (composite), Type 1, Type 3, Type 4 and fonts, as well as native processing of Type 32 and Type 42 True Type fonts.

**Advanced Font Emulation** - is now included with precision typographical reproduction of fit, leading, kerning, ascenders and descenders.

**Auto Color Correction** - The Fusion Server RIP can be set to automatically convert RGB to CMYK, Spot colors to CMYK and Rich Black text to 100% Black.

**PDF Pre-flighting** - now includes in-line PDF pre-flighting using built-in Enfocus PitStop 4.0 lib/v7 Preflight Profiles.

**Built For Variable Data Processing** - The use of personalization through Variable Data Processing (VDP) is every increasing. The PDF Retained Raster feature, new in the Harlequin Server PLUS RIP accelerates variable data processing by scanning and caching invariant image data that does not change throughout the print run. This Retained Raster data is recalled as required.

**Greater Productivity and Efficiency** - can be added with features like TrapPRO In-RIP Automated Trapping, DigiPage ROOM Workflow Automation, CIP3 PFF Press console Ink Pre-setting, advanced screening options, Epson and HP Proofing drivers and more.

**Tailored To Your Needs** - build a custom high-productivity workflow solution to meet your specific needs easily and economically.



# ServerPLUS RIP

## ADVANCED RASTER IMAGE PROCESSING

### Key Features

- Based on Harlequin Server Plus Version RIP.
- Multi-Processor Hyper-Threading Enabled
- Supports PostScript Lvl 1, 2, 3, PDF 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, PDF/X-1a:2001, PDF/X-3:2002, TIFF 6, TIFF/IT-P1, JPEG, GIF, DCS 2, EPS and JBIG2.
- Open Platform Networking, supports both Mac and Windows clients.
- Supports TCP/IP, AppleTalk®, Sockets and Spool Folders (Hot Folders).
- Broad Font Support: Demand Downloadable Fonts (DLD1), Type 0, Type 1, Type 2 (CFF), Type 3, Type 4, Type 32, Type 42 (True Type), Adobe Multi Master and CID fonts.
- Font Emulation - sophisticated font emulation typographically acceptable match to missing fonts with no text overflow and with appropriate character spacing, weight and width.
- Advanced Quality Screening Technologies for High Resolution Separations. Optional Stochastic and Cross Modulated Screening available as well.
- Simultaneously drive multiple output devices (Proofers, Plotters, Imagesetters, Platesetters and Digital Presses).
- Built-in Advanced Media Management.
- Integrated Calibration Utility and Support for Automated Entry of Density and Color Metric Readings.

---

### Productivity Options

- TrapPRO - Automated in-RIP Trapping
- Fusion DigiPage ROOM Workflow Plug-in
- Fusion FastTIFF RIP Accelerator Plug-in
- CIP3 / CIP4 / JDF Support
- Raster PDF Proofing Output
- In-RIP PDF Simple Imposition
- HDS (FM) Stochastic Screening
- HMS Advanced Micro Screening
- HXM Cross Modulated Hybrid Screening
- TIFF/IT-P1 Processing and Generation
- ColorPRO - Advanced Color Management
- Hewlett Packard Design Jet Plug-ins
- Epson Stylus Pro VSD ProofReady Plug-ins
- SetGold and SetGold PRO Color Utilities
- Post RIP Raster Soft Proofing Client
- Over 100 Direct Device PCI Interfaces

### System Requirements

OS X: Version 10.5 or higher (10.11), Intel Xeon processors, 4GB RAM, at least 2GB free disk space, USB port for the Security Dongle

Windows: Windows 7 Pro, Windows 8, Windows 2008 r2 Server, Intel Xeon processor, 4Gb RAM, 2GB free disk space, USB port for the Security Dongle



A Division of Color Technology Inc.

Phone: 503.294.0393 800.234.4460 • Email: [Workflow@fusionsystems.com](mailto:Workflow@fusionsystems.com) • [www.FusionSystems.com](http://www.FusionSystems.com)

© 2016 Fusion Systems International product and service names are pending trademarks or service marks of Color Technology Inc. and may be registered in certain jurisdictions. Other company brand, product and service names are for identification purposes only and may be trademarks or registered trademarks of their respective holders. This information is subject to change without notice.