

# Navigator RIP

*Performance. Flexibility. Reliability.* The Xitron Navigator RIP integrates all these qualities for unmatched value.



Built around the intelligent Global Graphics® Harlequin® interpreter, Navigator's versatile integration capability and superior quality proves our performance advantage time and time again.

With over 150 supported output devices and optional workflow tools, Xitron has a scalable solution that grows to meet your imaging needs.

## Navigator Features

<b>Intelligent PostScript® Interpreter</b>	Global Graphics Harlequin PostScript Language Level 3 Interpreter
<b>PDF</b>	PDF/X-1:1999, PDF/X-1a:2001 & PDF/X-3:2002, PDF 1.4 (Transparency, JBIG2)
<b>Harlequin Screening Library (HSL)™</b>	Choose from a wide variety of dot shapes in the Harlequin Screening Library including round, euclidian, and linear. Stochastic screens are available using the optional Harlequin Dispersed Screens (HDS)™.
<b>Extra Gray Levels</b>	Prints more than 4,000 shades of gray for maximum quality at almost any resolution.
<b>Harlequin Precision Screens (HPS)™</b>	HPS provides exceptional precision in setting of screen angles and ruling frequency to eliminate moiré.
<b>PageSetups</b>	Store multiple device settings for resolution, laser intensity, screen ruling, spot function, angles and more.
<b>Multiple Inputs</b>	Publish one RIP as multiple “virtual printers”, each with unique settings.
<b>Intelligent Job Processing</b>	Overwrite or accept resolution, angles and spot instructions contained in each job.
<b>Simultaneous Input and Output</b>	Process multiple jobs simultaneously. As one file is input, another is interpreted and a third is output. The output device may run at full engine speed without stopping between pages or jobs.
<b>Calibration</b>	The Navigator RIP provides easy to use tools to help you linearize your film and define dot-gain calibration profiles for devices, media type and individual color channels.
<b>Color Separations</b>	Accepts either composite or pre-separated files, including CMYK and spot colors. Recombines the separated files into a composite file for output to color proofers.
<b>Media Management</b>	New MediaSaving™ feature allows you to gang single or multiple jobs across a flat to save film or proofing media.
<b>Multiple Language Support</b>	The Navigator RIP software is available in English, German, French and Spanish.
<b>Certified PDF Checker</b>	Automatically checks to make sure the incoming PDFs are certified.



# Navigator System Information

<b>Input File Types</b>	PDF 1.2/1.3 and 1.4 with transparency, PDF/X-1:1999, PDF/X-1a:2001 & PDF/X-3:2002, TIFF™ 6, PCL 4, JPEG, GIF, DCS and DCS 2, PostScript 1/2/3, EPS, TIFF/IT-P1 (with optional plugin)
<b>Output File Formats</b>	Harlequin PGB, TIFF, TIFF/IT P-1 (with the optional plugin).
<b>Fonts</b>	PostScript Type 1, Type 2 (CFF), Type 3, Type 4, Type 32, and Type 0 (composite) including native CID formats. Morisawa & Company Ltd. and Bitstream Inc. Kanji Fonts. Native processing of TrueType® (Type 42) fonts, using a TrueType font rasterizer licensed from Bitstream. CFF/Type 2 Fonts embedded in PDF files are directly interpreted.
<b>Supported Operating Systems</b>	Microsoft® Windows® 2000/XP PowerMac® G3/G4, Mac OS – 9, 10.2 or higher
<b>System Requirements</b>	The speed of the CPU, memory and disk capacity vary depending on optional features and the output device. Refer to the Xitron website for a current list of recommended hardware requirements.
<b>Network Protocols</b>	TCP/IP, AppleTalk® (Mac, PC), NT Pipe and NT Socket or serial.
<b>Quality Xitron Interfaces</b>	Xitron interfaces control the imaging functions relevant to the output device such as punches, advance, cut, and on-line processor controls.
<b>Supported Devices from these Manufacturers:</b>	Agfa®, Autologic®, Gretag/Cymbolic Sciences®, ECRM®, Encad®, Epson® StylusPro™, Fuji®, Gerber/Barco®, Hewlett Packard®, Linotype®, Linotype Herkules™, Heidelberg® Mitsubishi Paper Mills®, Mutoh®, PrePress®, Scan Graphic®, Scitex®, Screen® and more. Visit <a href="http://www.xitron.com">www.xitron.com</a> for a list of specific devices.

## Navigator Options

<b>XiFlow Workflow Solution</b>	A scalable workflow solution that automates the prepress workflow process helping to increase productivity and reduce errors.
<b>Proofing Plugins</b>	Xitron provides a variety of proofer plugins available as add-ons to your existing Navigator RIP. Using the same RIP ensures data integrity between the proof and the final output.
<b>Harlequin Dispersed Screening (HDS)</b>	HDS is ideal for reproducing images where object moiré is a problem.
<b>TrapPro™ and TrapPro-Lite</b>	TrapPro and TrapPro-Lite are an object based, automatic in-RIP trapping solutions eliminating production bottlenecks by optimizing digital workflow.
<b>TIFF/IT P-1 Input TIFF/IT P-1 Output</b>	The TIFF/IT P-1 input and output options allow the RIP to process and create the TIFF/IT P-1 intermediate file format.
<b>CIP3</b>	The CIP3 feature generates PPF (Print Production Format) ink-key profiles based on data from the RIPped file for use with presses that control ink-key settings from digital information.
<b>JDF Option</b>	Integrate your Navigator RIP as a part of a JDF-enabled workflow solution with other Xitron and third-party solutions.
<b>FirstPROOF</b>	FirstPROOF allows users to preview or "roam" a RIPped file without halting the RIP from outputting. FirstPROOF Macintosh or Windows clients will run on the network.

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**Corporate Headquarters**  
781 Avis Drive, Suite 200  
Ann Arbor, Michigan 48108  
+1 734-913-8080 (main), +1 734-913-8088 (fax)  
email: [xitronsales@xitron.com](mailto:xitronsales@xitron.com), web: [www.xitron.com](http://www.xitron.com)

**Xitron also has offices in Europe and Asia with distributors worldwide.**  
Contact Xitron for more information.