

OpenRIP[®] Symphony[™]

Award winning multi-task, multi-device workflow

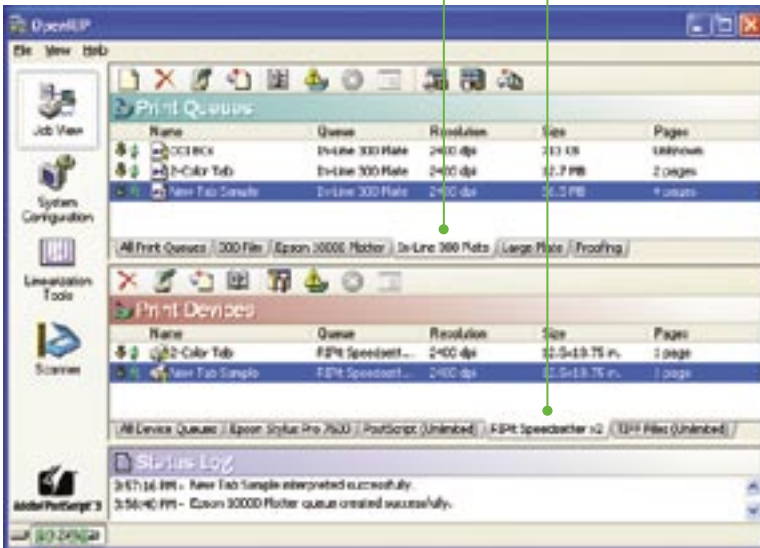


OpenRIP® Symphony™ is a powerful Adobe® PostScript® 3™ RIP, offering an award winning workflow to drive a variety of output devices* including: imagesetters, platesetters, laser printers, copiers, inkjet printers and plotters. With a single, state-of-the-art RIP driving all the output devices in your shop, file output differences are a thing of the past. And OpenRIP Symphony's powerful scanning, trapping, screening, and imposition features* are available for all your output devices.

PREPRESS AUTOMATION

OpenRIP® Symphony™ improves productivity and reduces human error by automating the more tedious and error-prone prepress tasks. Symphony automates screening settings, trapping, plate templating, imposition (including crop marks, registration marks, color bars, and page information) and application of linearization and dot gain compensation. Once you've applied standard settings in OpenRIP Symphony, every job goes through the same workflow process, ensuring consistency throughout the production cycle.

- Custom Print Queues and Ticket Editor:** OpenRIP Symphony allows you to automate your workflow through the use of Print Queues and Job Tickets. When you create a Print Queue you have the ability to select output device, media, resolution, linescreen and screening type. Apply traps, plate templates, color profiles, linearizations and dot gain compensation to suit a wide variety of presses and common work methods. Use the Ticket Editor to make changes to file setup or Print Queue settings on the fly.



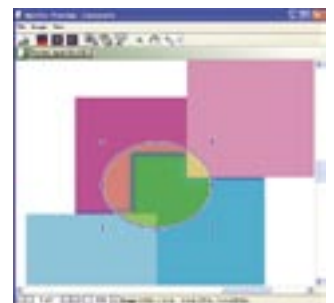
Job View: OpenRIP Symphony's Job View lets you see, at a glance, the status of all the files in OpenRIP Symphony. You can add new Print Queues and Devices, instantly redirect jobs from one device to another, set job options, and impose ripped files. The Print Queue Tabs represent different sets of job options which are applied to incoming jobs - each queue shows up as a network printer. Print Devices represent the output devices which OpenRIP Symphony controls.



StripRITE™ Raster Imposition: The Raster Imposition Technology Engine (RITE) drives this powerful raster imposition feature. StripRITE can generate spreads for books, step and repeat business cards, and perform other sophisticated imposition tasks quickly and easily. Because imposition takes place after the file is interpreted, it's more reliable and straightforward than ever before. Select the preferred bindery and work methods, set page sizes and sheet sizes, gutters, bleeds and offset. Add crop marks, registration marks and color bars. Impose PS, EPS, PDF and Scanned pages in the same master layout, add or remove pages, combine/disable/enable individual colors, and much, much more.

AdvancedScan Scan-to-Plate: RIPit's AdvancedScan allows you to add paper-based originals directly into your digital workflow. Scan, cleanup, and straighten images. Colorize text and images, remove and add tints, delete and place photos, perform step & repeat, then save scans as low res PDFs for remote proofing!

Adobe® In-RIP Trapping with TrapZone™: Why waste time trapping files in front-end applications? In-RIP Trapping lets you execute complex trapping commands directly from the RIP. RIPit's New TrapZone feature enhances Adobe In-RIP Trapping by letting you select separate trap settings for different parts of a page. You can define zones while viewing the rasterized image, and immediately re-RIP the file to see the effects of your settings. Use Monitor Preview or RasterView to check your file traps.

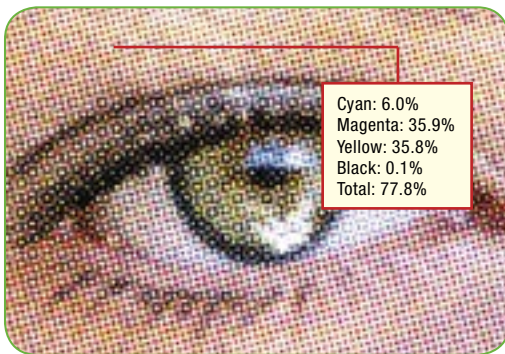


RIPit® Imaging Systems, Inc.

MULTI-STAGE PROOFING

OpenRIP Symphony offers a variety of proofing solutions designed to help the user catch file and setup problems before they become expensive mistakes. Symphony's proofing solutions include:

Monitor Preview: OpenRIP Symphony's Monitor Preview lets you check every detail of a digital file so you can catch file and setup problems before you waste time and media. Check page elements, traps, knockouts, overprints, bleeds, imposition layouts, color separations (in composite and separated modes) and more. Monitor Preview works seamlessly with all of OpenRIP Symphony's advanced features like StripRITE™ Raster Imposition so you can quickly check Imposition templates as you create, edit or apply them to digital files.

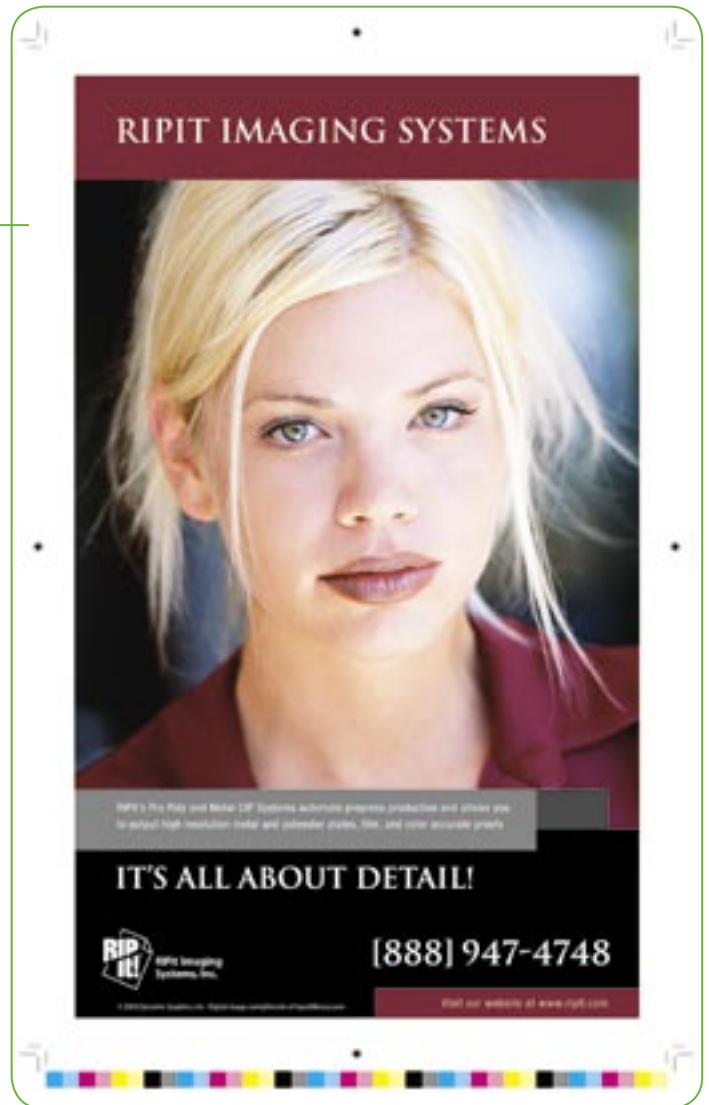


RasterView™: RasterView lets you effectively examine rasterized files at the full resolution of your output device prior to outputting jobs on your imagesetter, platesetter, proofer, or other output devices. You can examine color separations, traps, halftone screens, tint values and screen angles using the simple yet effective tools within RasterView. Using the Ink Density Tool will enable you to measure screen values to see if the job meets your minimum screen percentage. The Analyze Ink Usage tool can create CIP3 files for presses which support automatic ink key settings. Plus, you can create ink key setting charts for non-automated presses. RasterView can also calculate ink coverage values for each separation with Ink Usage Analysis.

ExportProof: Save raster files as PDFs, TIFFs and JPEGs to preview at workstations or E-mail to customers.

KoolToning™ Halftone Simulator:

Get inkjet proofs with the actual halftone dots and screen angles you have specified for your job. CMYK and Spot colors show with the actual screening algorithm and line screen.



- **KOOLKolor™ Proofing:** RIPit's KOOLKolor Proofing technology lets you create color accurate proofs from a variety of inkjet printers and plotters. Select ICC profiles as well as destination profiles for a proof that simulates your final printed product.
- **Advanced Proofing:** Advanced Proofing lets you print and combine any combination of colors in multi-color jobs for customer approvals or handy press proofs.



DEVICE AND IMAGE QUALITY CONTROL

OpenRIP Symphony allows you to drive any device in your shop and provides many image quality and color management controls to help you produce reliable plates, film and color accurate proofs from each device in your workflow.

Imagesetters and Platesetters: You may have a perfectly good image-setter or platesetter – perhaps you're still paying for it – connected to an obsolete RIP. If the manufacturer even offers a RIP upgrade, chances are it's pretty expensive. OpenRIP Symphony offers all the new features and automation you want, controlling your device through its existing RIP.

Inkjet Proofer and Plotters: Inkjet printers provide great image quality, but the RIPs which drive them may use non-standard interpreters, and they may render jobs differently than other RIPs in your shop. A proof is only useful if it's consistent with the printed piece. And with the expense of consumables and the time spent, you want it to be right. You may not need a separate inkjet RIP at all, since OpenRIP Symphony supports popular printers and plotters from HP, Epson, Encad, and Canon.

Laser Printers: Do you have a laser printer in your graphics department which you use for quick proofs? The RIPs in small laser printers are usually designed more for economy than compatibility. They may not handle large images, complex graphics, or advanced PostScript features. With OpenRIP Symphony, you can still use the printer, but you'll know that what it prints out will match the plates you create later on.

Digital Copiers: Modern shops often have a digital color copier and a digital black and white copier. Larger shops may have several of each. It's often necessary to run jobs on more than one copier, running color pages on one machine and black-only pages on another. The elements which appear on all the pages — fonts, logos, graphics — need to be rendered the same regardless of where they were printed. With OpenRIP Symphony, you know everything will match because you're using the same RIP for the whole job.

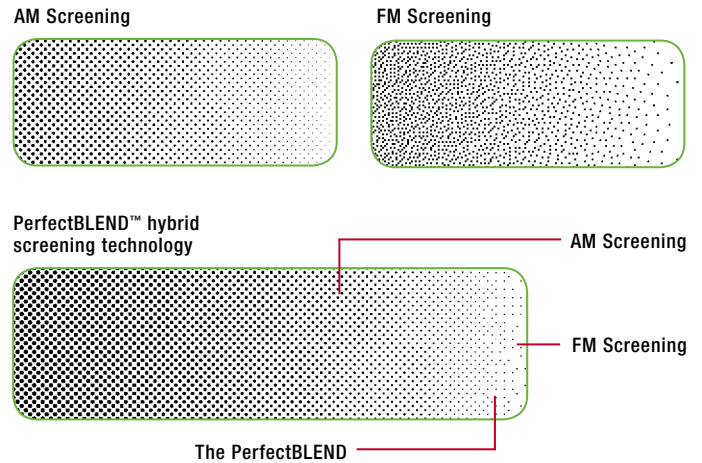
Outsourced Printing: When you send work to a trade-only shop, you may not discover the differences in their RIP until you get the job back. Even if they comp the job, you've still lost time. With OpenRIP Symphony, you can send them a job which is pre-RIPped and even pre-screened. You'll know how the job will come back because you know how you sent it out.

Optional Output: TIFFout, PSout, RRJout, and GDlout drivers let you drive a wide variety of output devices. TIFFout is used to drive output devices which can accept TIFF files as input. PSout is used to drive output devices which have their own attached RIPs, including copiers, legacy imagesetters and platesetters, etc... RRJout is used to communicate with RIPit's ImagerQ Concerto software to provide enhanced remote output for imagesetters and platesetters. GDlout is used to drive non-PostScript Windows-compatible printers from Symphony.

OpenRIP® Remote: You can control your final rasterized files on OpenRIP Symphony from Mac OS X and Windows workstations. View your rasterized images with the same accuracy and control used in Symphony's RasterView, then proof and send your files to output devices remotely. OpenRIP Remote also allows you to save raster files as PDF's, TIFF's and JPEG's to soft proof at workstations or email directly to customers.

ImagerQ Concerto TIFF Integration: RIPit's ImagerQ Concerto provides easy integration to any 1-bit TIFF workflow and provides independent control of all TIFF-in devices. Submit raster files then preview them, set output options and control output to your imaging devices.

Screening Technologies: OpenRIP® Symphony™ offers a variety of screening solutions* including: Adobe® Accurate Screens, Agfa® Balanced Screening and RIPit's PerfectBLEND™ Hybrid screening technology. PerfectBLEND combines the benefits of traditional AM screening and FM screening for linescreens up to 80% higher without increased run difficulty.



Color Mapping Control: OpenRIP Symphony automatically combines spot colors which use the same number and ends in "CVC", "CV", "CVU", etc... You can also edit a file's colors, combine colors or simply turn specific colors off.

Linearization & Dot Gain Compensation:

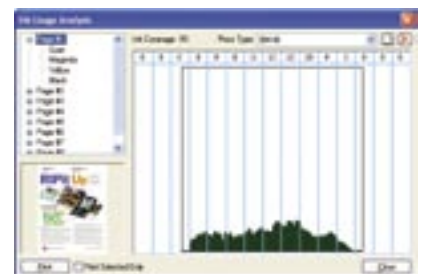
Our easy-to-use Linearization and Dot Gain Compensation Wizards let you precisely calibrate your imagesetter and "fingerprint" your press. You can create a profile of every press and job scenario for better color control and job consistency.



CIP3 Support: OpenRIP Symphony can create CIP3 files for your press, to automate press adjustment and maximize quality.

Ink Usage Calculator:

OpenRIP Symphony can calculate ink usage and settings for standard presses.



The OpenRIP® Symphony™ Solution

If your shop is typical, you have a wide variety of imaging devices including: color and monochrome copiers, laser printers, inkjet printers and plotters, CtP systems and imagesetters. Chances are, each one has its own RIP, and each RIP behaves a bit differently. Some will print just about anything well, some may excel at PostScript 3, PDFs, and transparency, while others can barely print a page of text correctly.

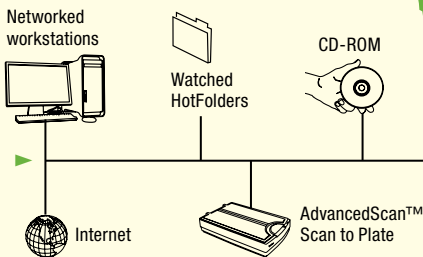
Wouldn't it be great if you knew for certain that you'd get exactly the same output from the same file, regardless of where you printed it? Wouldn't it be great if you had a single RIP to drive everything? Now you can, with OpenRIP Symphony.

OpenRIP Symphony is a state-of-the-art software RIP, which can control all the PostScript and TIFF-in* devices in your shop from a single interface. It uses the Adobe® PostScript® 3™ interpreter (CPSI 3016), for the highest level of compatibility with modern graphics applications. It can integrate scanning, trapping, proofing, and imposition into a single powerful package, and provides those features* to all of your output devices, regardless of age.



Adobe PostScript 3

File Input Options: Send or import PS, EPS and PDF files directly to specific Print Queues on OpenRIP Symphony via...



Print Queues: Automated File Control and Set-Up

Create Print Queues to suit various presses and common work methods:

- Select output device and media type
- Add crops, targets and color bars
- Apply traps, screening, linearization and dot gain compensation settings
- Use specific plate templates / orientations
- Apply color management
- Drag to another print queue to instantly switch devices and output specifications

Device Queues: File(s) Rasterized

User has option to:

- Apply StripRITE™ Raster Imposition
- Create Advanced Proof
- See full resolution preview (RasterView™)
- Output file to device(s)

Monitor Preview: Preview job setup, page elements, traps, etc.. Option to edit file or send raster file to Device Queue.

Remote Control: OpenRIP Remote™

Control raster files on OpenRIP Symphony remotely from MacOS X and Windows workstations. Preview, impose and output. E-Mail PDF proofs to clients!

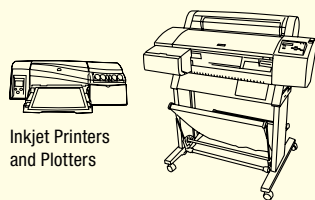
ImagerQ Concerto TIFF Integration

Enables easy integration to any 1-bit TIFF workflow. Submit raster files, preview them, set output options and control output to all your TIFF-in devices.

Output Device Options

Network and Drive Directly

*See back page for a complete list of output devices which OpenRIP Symphony supports



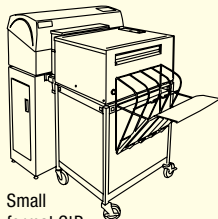
Inkjet Printers and Plotters



Small format Imagesetters

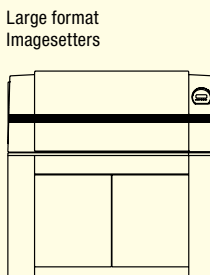
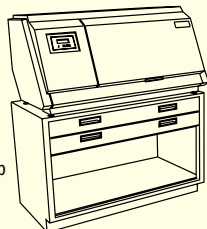


Laser Printers



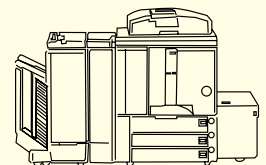
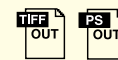
Small format CtP [Poly]

2-up and 4-up CtP [Metal]

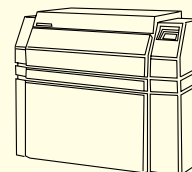


Large format Imagesetters

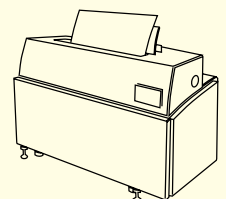
Additional Output



Digital Copiers



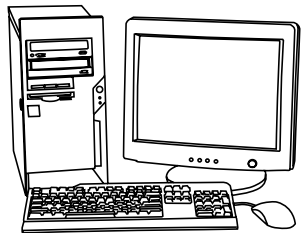
Large format CtP [Poly]



Large format CtP [Metal]

*NOTE: OpenRIP Symphony is a modular system designed to suit the needs of individual shops. Device drivers and optional features may entail an additional cost.

OpenRIP® Symphony™ Device Support and Output Options



OpenRIP® Symphony™ Core Specifications

OpenRIP (RIP) Hardware:

- Fast Pentium 4 Processor
- 40+ GB Hard Drive, 512 MB RAM
- Windows® XP Professional
- Integrated Video, Audio, 10/100/1000 Ethernet
- RIPit PCI Imagesetter Interface Card & Cable
- CD - RW and 3.5" Floppy Drive
- 17" Monitor*, Mouse, and Keyboard
- *Optional LCD Monitor available

Network:

- Queues appear as printers in MacOS and Windows
- Download PS fonts and files, EPS & PDF files
- Works with Windows® 95/98/NT/ME/2000/XP
- Hot Folders feature for Windows and Mac OS X workstations
- LPR support for printing over the Internet

System Features:

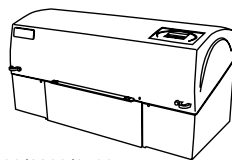
- True Adobe® PostScript® 3™ Interpreter
- Monitor Preview, with Trap Preview feature
- Supports monochrome, process color, and spot color files
- Advanced Proofing Features: *Change spot colors on the printed proof; Print any combination of job colors; Reduce ink on any or all colors*
- Agfa® Balanced Screening
- Adobe® Accurate Screens
- Imagesetter linearization and press dot gain compensation wizards
- Direct PostScript, EPS, and PDF printing
- Custom Plate Templates
- Page information, crop marks, targets, and color bar controls
- Custom Job Queuing (ticketing) with drag & drop
- PDF 1.5 Support
- PDF Preview
- Raster View, full output resolution preview with ink usage calculator and CIP3 support

Optional Features:

- Adobe® In-RIP Trapping
- StripRITE™ Imposition
- RIPit KOOLKolor™ Inkjet Proofing System
- RIPit KoolToning™ Inkjet Halftone Simulator
- AdvancedScan™ Scan to Plate
- PerfectBLEND™ Hybrid Screening Technology
- TIFF-out and PS-out Drivers
- OpenRIP Remote, Remote Workstation RIP Control
- LinScan, Scanner based Platesetter Calibration
- Export Proof, save, preview and email raster files directly from OpenRIP.

Imagesetters and Platesetters

Agfa Accuset 800/1000/1200/1500
 Agfa Avantra 20/25/30/36/44
 Agfa StudioSet 2000
 Agfa Proset 9400/9550/9600/9800/9836
 Agfa SelectSet 5000/7000
 ECRM ScriptSetter VR30/36/45
 ECRM ScriptSetter ID36
 ECRM Mako 3625/3675/4625/4675/5625
 ECRM Mako 108HT
 ECRM Mako Oasis 3650/4650
 ECRM Marlin 2500/2500HS/3500
 ECRM Sting Ray Series
 ECRM Knockout 4550
 ExextraSetter 300, 300L
 ExextraSetter Express 300, 400
 ExextraSetter Maxima
 Exxcalibur (6-Up)
 Hell Bridgit (all models)
 Linotype Mark 10/20
 Linotype Mark 40EX
 Linotype 200/230/260
 Linotype 300/330/500/530/560
 SpeedSetter X1/X2/X6
 SpeedSetter 300L/300X2/400
 SpeedSetter VM
 SpeedSetter VM4
 SpeedSetter VMNews
 Ulte 72P/72E
 Ulte 94P/94E
 Ulte Vision 300/400
 Ulte 3000/4000



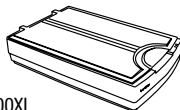
Monochrome Printer/Platemaker

HP LaserJet 5000/5100



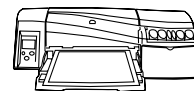
Scanners

Microtek 9800XL
 or any TWAIN compliant scanner



Color Inkjet Printers

Epson Stylus Color 1520/3000
 Epson Stylus Pro 4000/4800/5000/5500
 Hewlett Packard DesignJet 10ps/20ps/30/50ps/120/130
 Canon BJC 8500, ImagePROGRAF W2200



Color Inkjet Plotters

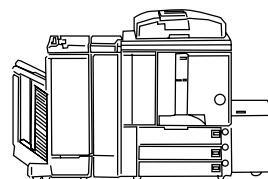
Epson Stylus Pro 7000/7500/7600/7800
 Epson Stylus Pro 9000/9500/9600/9800
 Epson Stylus Pro 10000/10600
 Hewlett Packard DesignJet 2000/3000 Series
 Hewlett Packard DesignJet 5000/5500 Series
 Encad Chroma 24, Encad Novajet 1/2/3/4
 Encad Novajet Pro, ProE, Pro 50/500, Pro 600e/630/700
 Canon ImagePROGRAF W7200/W7250

Direct Imaging Presses (DI)

Heidelberg DI
 KBA Karat 46
 Kodak Polychrome Graphics DirectPress 5634 DI
 Ryobi 3404X-DI

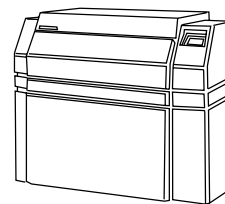
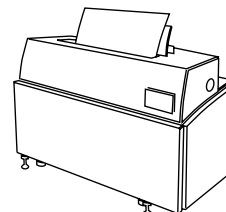
Optional Output: File Format

TIFF-out (bitmap and contone)*
 PS-out (bitmap and contone)*



Digital Copiers

Large Format Metal CtP



Large Format Poly CtP

Optional Hardware / Software:
 ImagerQ Concerto Remote TIFF-Shooter Workstation



RIPit North America

7920 Alta Sunrise Drive, Suite 250
 Citrus Heights, CA 95610
 Sales: 888-947-4748 email: sales@ripit.com
 Support: 916-962-7050 Fax: 916-962-7053
 www.ripit.com

RIPit Europe AB

Hulukvarnsgatan 8, SE-553 11
 Jönköping, Sweden
 Sales / Support: + 46-36-35 47 90
 Fax: + 46-36-35 47 91
 email: eurosales@ripit.com