

Onyx[®] RIP Center[™]

Effortless color, out of the box



Dynamic Workflow Solutions for Digital Print Environments

www.onyxgfx.com

Onyx[®] RIPCenter[™]



Features and Benefits

For Every User

- ◆ Automatically install the program, queue and printer in one easy step
- ◆ Print directly to the queue from your creative application as you would to any desktop printer—even across networks and platforms
- ◆ Visually preview files to avoid costly reprinting
- ◆ Get automatic scaling and tiling of images
- ◆ RIP and simultaneously print bitmapped files for faster throughput
- ◆ Reduce ink consumption and media spoilage with MediaSave nesting and nesting preview

Business / Office Graphics

- ◆ Skip the service bureau and print your own display office graphics
- ◆ Make large prints of Microsoft[®] PowerPoint[®] presentation slides
- ◆ Enjoy faster process and print times compared to slower hardware RIPs
- ◆ Get the right corporate colors when proofing advertising pieces

Photography / Fine Art

- ◆ Print photographs and portrait packages directly from Adobe PhotoShop[®]
- ◆ Get better color than from standard Windows[®] drivers
- ◆ Dramatically reduce media costs by automatically nesting pictures
- ◆ Use image interpolation for high-quality enlargements

CAD / GIS

- ◆ Enlarge computer-rendered TIFF images and print them as big as you need
- ◆ Save time—printing starts while image is still processing
- ◆ Print directly from your Mac or PC CAD/GIS applications

PANTONE[®] Color Matching

Onyx[®] RIPCenter[™] includes a fully licensed PANTONE[®] Color Library, which makes spot color matching easy because more accurate PANTONE spot color matching happens automatically during processing. The Onyx RIP recognizes PANTONE-named colors in PostScript[®] or PDF files and matches the colors as closely as possible.



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Easy to Install, Easy to Use

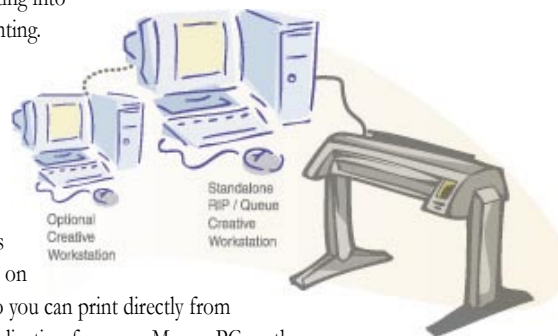
With Onyx RIPCenter, getting up to speed and producing professional color is as simple as install, open file, and print. Yet despite its simplicity, RIPCenter contains a bevy of production tools that outperform bundled RIPs and Windows printer drivers.

Professional Quality Color, Every Time

Default color calibration and ICC[®] profiles—optimized for a variety of ink and media combinations—provide consistent, accurate color “out of the box” for those who are just getting into large format printing.

Network Accessible Across Platforms

The RIPCenter queue appears as a normal printer on your network, so you can print directly from your creative application from any Mac or PC on the network or drag and drop jobs into a Hot Folder and, when the system detects an available printer matching the correct job properties, printing begins automatically.



Save on Media Costs

A thumbnail preview gives you the ability to inspect your jobs before you print, reducing the need for reprinting. And, when you select Conserve Media Placement, jobs are quickly arranged and positioned for maximum media usage. A nesting preview provides visual assurance that you're getting the most out of your media.



Automatic Updates Just a Click Away

The included Onyx AutoUpdate feature keeps your RIPCenter application current with the latest 6.0 product features and printer drivers by periodically verifying your RIP installation and then automatically downloading only the software updates you need.



RIPCenter[™] Photo Edition

Digital photographers all over the world rely on Onyx products to give them expert results with today's inkjet printers. Because of its low cost and superior color quality, Onyx RIPCenter Photo Edition is the perfect solution for digital photographers who are just getting started with inkjet printing.

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Why an Onyx® Software RIP?

You're Using a RIP Whether You Know It or Not

A RIP is a raster image processor. If you're not using a software RIP, you're probably using a hardware RIP. But what's the difference? *Hardware RIPs* are built in to a printer's on-board system where all processing is performed at the printer (like an office laser printer). *Software RIPs* are installed on a computer workstation that connects to the printer(s) via a dedicated cable or a network.

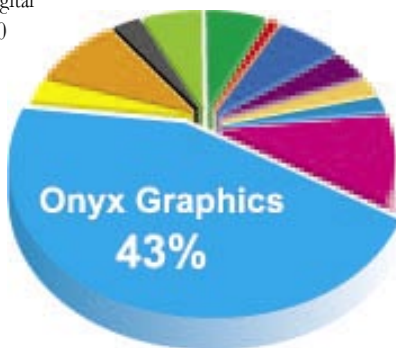
When you look at the pros and cons of a hardware RIP and a software RIP, it soon becomes obvious that there are many more pros with a software RIP. In fact, there aren't ANY cons, as the following comparison demonstrates:

	Pros	Cons
Hardware RIP	Easy to operate	Limited on features
	Easy job setup	Limited on speed and throughput
	No additional computer equipment needed	A new RIP must be purchased for every new printer
	Acceptable "out of the box" color	No support for custom color calibrations
	Can be less expensive when driving one printer	Processing speed can't be upgraded
Software RIP	Customize your workflow to meet your needs	⊖
	Make easy upgrades	⊖
	Get a single workflow solution	⊖
	Automate printing processes	⊖
	Keep printers running at top speed	⊖
	Print more than one job at a time	⊖
	Nest and save media	⊖
	Pre-RIP and archive jobs for "print on demand" efficiency	⊖
	Achieve superior "out of the box" color	⊖
	Buy one RIP to drive all of your printers	⊖

What Software RIP Should You Choose?

The answer to that question is easy! Buy the original software RIP solution and the clear-cut leader: **Onyx Graphics**. Since its creation in 1989, Onyx Graphics has been a consistent leader in the digital color printing marketplace. In 20 alone, Onyx Graphics held 43% market share in the Digital Printers Market segment*.

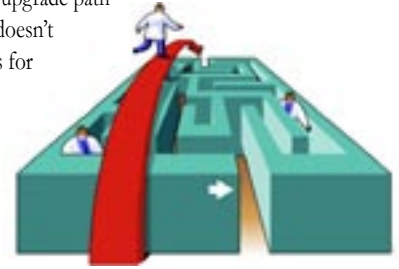
With Onyx Workflow products like RIPCenter, you benefit from a single workflow solution that keeps your printers running at top speed while automating the majority of production processes.



*Source: Vector Marketing, Inc. 2003

Don't Deal with a Confusing Maze of Upgrade Paths!

The Onyx Workflow upgrade path is a simple and easy process, so there's no need to place your older version of Onyx on a dusty shelf with other obsolete software. With Onyx RIPCenter, you enjoy an upgrade path that doesn't change your workflow, doesn't require re-training of your operators for any current feature, and is fully compatible with the version you are currently running.



Automated Processes for Your Common Tasks

Save your all-too-precious time and avoid frustration by automating many of your processing tasks. Tasks such as cropping, tiling and sizing, selecting media type, ink configuration, resolution, and color management filters, as well as tiling oversized images are all automated processes within each Onyx Workflow software solution. Furthermore, you can define and save these selected processes and apply them to the image before printing. By using

Onyx's intuitive "Quicksets", you'll reduce employee errors and save valuable time, which in turn means you'll create a more cost-effective workflow in your shop.



Accurate and Consistent Color Control

Ensure that your printer will provide the color your client wants to see. Onyx Graphics is an active member of the International Color

Consortium (ICC) and creates only ICC-compliant profiles, therefore providing accurate and consistent color from any application, platform, or file format.

What happens when your client likes the color but wants it changed anyway? You can go back to the authoring software to make the changes, save a copy of the file, and try again. Or you can choose RIPCenter, which provides on-the-fly color corrections right at your fingertips, including brightness, saturation, and contrast.

Superior Support and Training

You run a business. You're on a deadline because your clients are on a deadline. If there's a problem, you need help—fast. When you're on the latest version of Onyx Graphics software, all of the technical support is free*, therefore ensuring you'll get the answers you need when you need them. And better yet, as your business grows and you add new feature sets, Onyx Graphics offers fully comprehensive training to help you get the most out of your software.

*North America only.



GIS Print Workflow

Support for Popular GIS File Formats

Onyx RIPCenter has built-in support for popular GIS formats such as Mr.Sid and EWMapper. Both of these formats provide great compression ratios, which means you can handle all of these files directly in the Onyx RIP without having to convert them to another format. RIPCenter also supports other popular file formats like TIFF and JPEG.

Visually Preview a "Soft Copy"

Take the guessing out of your workflow!

With Onyx RIPCenter, you can view your files before they print. Not only can you proof your print jobs for content, you can also proof for color accuracy by viewing the actual colors that



will print on your printer from your computer screen. The benefits of being able to preview your print jobs are immeasurable when you consider the amount of time and consumables you will save.

Auto-Print Hot Folders

Streamline your workflow by printing directly from your Mac or PC GIS applications. Or drag and drop print jobs into the appropriate Hot Folder and, when the Onyx

RIP detects an available printer matching the job properties, printing begins automatically.



Enlarge Computer Rendered TIFF Images

Imagine being able to enlarge an image to your size specifications without losing resolution. The Onyx RIP contains image interpolation capabilities that enable you to print small resolution files much larger and with the same high quality.

Discounts Available for Government and Schools

Onyx Graphics recognizes the benefit of exposing students to professional, industry-standard tools during the learning process. Qualifying educational institutions can purchase RIPCenter at little or no cost for educational purposes. In addition, qualifying government institutions can buy RIPCenter at substantial discounts.

Ask your local Onyx reseller for further details on these programs.

Onyx® CADPrint™ Module

Turn Any Printer into an HPGL Printer

Onyx CADPrint™ takes the world's most popular large-format print software and adds the ability to output HPGL, HPGL/2 and HPRTL drawings on any printer supported by any Onyx workflow product. Architects, designers, engineers, cartographers—in fact, anyone that has current and legacy technical drawings designed for pen plotters—can now output to their newer ink jet printer.

Many inkjet printers either cannot accept HPGL or have reduced capabilities. With the Onyx CADPrint module, powered by Océ®, you get the best of both worlds.

Who Benefits with CADPrint?

CADPrint is ideal in locations where there is a need to output technical drawings as well as sophisticated graphic renderings. Architects, engineers, cartographers, landscape designers and the like can take current and legacy drawings originally designed for output to traditional pen plotters and use newer, more versatile inkjet printers to produce jobs.



A Productive Workflow with an Efficient Interface

Automate the conversion and printing process by dropping files into a pre-defined hot folder or open drawings individually. CADPrint automatically searches for Onyx print queues on installation and updates the information to mirror changes made to the RIP-Queue. As a result, the process is dynamic and transparent to the user.

Complete Control over HPGL Pen Settings

CADPrint gives you the ability to edit pen settings and create custom pen color tables. Depending on the file type, various palettes, each with 16 pens, can be defined to include pen width and color modifications. This lets you set up templates that will conform to predefined project or client specifications.

CADPrint will automatically choose up to 256 colors, in the case of HPGL/2 files. If the print contains graphics or pictures in HPRTL file format, the software changes to full-color mode automatically for accurate rendering.

CADPrint Features and Benefits:

- ◆ Output from HPGL, HPGL/2 and HPRTL data files with Onyx RIPCenter
- ◆ Drop files in a hot folder for a completely automated process
- ◆ Manually open files when needed
- ◆ Edit line thickness and color for each HPGL pen
- ◆ Customize HPGL/HPGL2 settings to meet your file needs
- ◆ Quickly process and print or process with preview for editing in Onyx Preflight application before printing*

* Onyx Preflight sold separately.

Onyx RIPCenter

Upgrade Path

RIPCenter includes a PostScript RIP, a Raster RIP, and support for one active printer with multiple Hot Folders. It also includes automatic tiling, job thumbnail and print nesting previews. As you grow, add additional printers and RIPs, pre-flight, color correction, media management and profiling capabilities, and other productivity features as needed.

Suggested Minimum Requirements

- Operating System:
 - Windows 2000® Server w/ SP3
 - Windows 2000-Pro® w/ latest service pack
 - Windows XP Pro® w/ latest service pack
- CPU:
 - Intel Pentium III
 - Athalon, 1.5 Ghz or higher
 - Dual CPU for multiple RIPs
- Storage:
 - 40 Gb Hard Drive
 - 1 Gb RAM per CPU
- Video Display: 1280 X 1024 16-bit color
- One USB Port required for Security Key
- DVD-ROM drive suggested, 40x CD-ROM minimum required

Supported Printer Models

Small Format —

Canon, Encad, Epson, HP inkjet & color laser, Okidata color laser

Large Format —

Agfa, Canon, ColorSpan, DGI, Encad, Epson, Flora, Fuji, Graphtec, Gongzheng, HP, Infiniti, Konica, Mimaki, Mutoh, Océ, Roland, Seiko, Teckwin, Tiara, Xerox

Not all printers are included. See dealer for details. Visit the Onyx Graphics website for details on printer models and new driver availability at www.onyxgfx.com.

Supported File Types

Raster File Types Supported —

TIFF, TIFF/IT, 8 Bit & 16 Bit TIFF, JPEG 2000, Native PhotoShop (PSD), Kodak PhotoCD, ER Mapper, MrSID, JPEG, Targa, Scitex CT, DIB, GIF, PCX, BMP

TIFF Formats Supported —

RGB, CMYK, Lab, CMYKOG, CMYKOB, CMYKGB, CMYKOGB, CMYKRGB, CMYK+Spot channels

PostScript & PDF File Support —

PS & EPS Level 2 & 3, DCS 4 and 6-color Separations, PDF

Font Types Supported in PostScript —

PostScript 1 & 4, True Type, Multiple Master Type 1, CID, Kanji, Morisawa

Languages Included —

English, Spanish, French, German, Italian, Czech, Chinese (Simplified and Traditional), Japanese, Korean, Dutch, Polish, Portuguese

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OVERVIEW

SPECIFICATIONS

Onyx® RIPCenter™	Standard		Photo Edition	
	Incl.	Opt.	Incl.	Opt.
FEATURES				
Print directly from any Mac or PC creative application	♦		♦	
Mid-size printer drivers (up to 24")	♦		♦	
Large format drivers	♦			N/A
Hot Folders	♦		♦	
Autoscale and Autorotate Images	♦		♦	
Print queue for print jobs	♦		♦	
Automatic Media Save print nesting	♦		♦	
Image Interpolation	♦		♦	
Job log and media usage reporting	♦		♦	
Active printers (#)	1	Up to 6	1	Up to 6
Simultaneous RIPs	1	Up to 4	1	Up to 4
Automatic / custom tiling with overlap	♦		♦	
Thumbnail job preview	♦		♦	
Spot color matching — custom spot colors	♦		♦	
Raster RIP	♦		♦	
PostScript / PDF RIP	♦		♦	
PostScript font manager	♦		♦	
Print multi-page PostScript and PDF files	♦		♦	
Color proof PostScript separation files	♦		♦	
Customize PostScript halftone screens		♦		♦
Direct TWAIN32 scanner / camera support	♦		♦	
Supports auto media load on multi-roll printers	♦		♦	
Desktop printer drivers	♦		♦	
Preflight – full preview, interactive size and crop, full pan and zoom		♦		♦
Interactive tiling with overlap		♦		♦
Preflight Color Correction Tools		♦		♦
COLOR MANAGEMENT				
ICC compliant	♦		♦	
Default media calibration tables	♦		♦	
Media Manager (add and calibrate your own medias)		♦		♦
Profile Generator (build custom scanner & printer ICC profiles)		♦		♦
Printer gray balancing tool		♦		♦
Calibration devices supported by Media Manager (#)		35+		35+
FRONT-ENDS				
Step & Repeater		♦		♦
CADPrint™		♦		N/A
CUTTERS				
Contour cutting workflow		♦		N/A

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