

Specifications



ONYX® RIPCenter™	Standard		Midsize Edition	
	Incl.	Opt.	Incl.	Opt.
FEATURES				
Print directly from any Mac or PC creative application	♦		♦	
Mid-size printer drivers (up to 24")	♦		♦	
Large format printer drivers	♦			N/A
Desktop printer driver	♦		♦	
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				
Simultaneous RIPs				
Ink usage tracking and reporting	♦		♦	
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	♦		♦	
Direct TWAIN32 scanner / camera support	♦		♦	
Supports auto media load on multi-roll printers	♦		♦	
Preflight – full preview, interactive size and crop, full pan and zoom	♦		♦	
Tile Weld-overlap*		N/A		N/A
Interactive tiling with overlap*		N/A		N/A
Preflight color correction tools*	♦		♦	
Profile Download Client	♦		♦	
COLOR MANAGEMENT				
Default media calibration tables	♦		♦	
PANTONE® Spot Color Matching	♦		♦	
Quick recalibration tool	♦		♦	
FRONT-ENDS				
CADPrint®		♦		N/A
CUTTERS				
Contour cutting workflow	♦		♦	
Contour cutting for flatbed cutters		N/A		N/A


ONYX®
RIPCenter™

Basic Print Queue, Consistent Performance

VERSION

7

ONYX® RIPCenter™

Features and Benefits

For Every User

- Accurate and consistent color output
- Automatically installs 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
- Easily track ink usage and get cost estimates *before* printing
- Visually preview files to avoid costly reprinting
- Automatically scale and tile images
- RIP and simultaneously print for faster throughput
- Reduce ink consumption and media spoilage with MediaSave nesting and nesting preview
- Easy Recalibration Workflow

CAD / GIS

- Enlarge and print computer-rendered TIFF images to size
- Save time—printing starts while image is still processing
- Print directly from your Mac or PC CAD/GIS applications

Business / Office Graphics

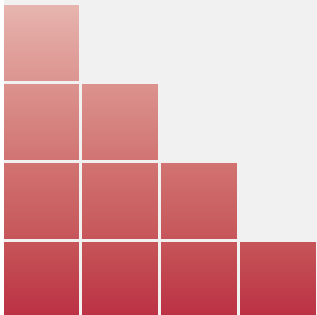
- Skip the service bureau and print your own display office graphics
- Make large prints of Microsoft® PowerPoint® presentation slides
- Enjoy faster process and print times compared to hardware RIPs
- Get the right corporate colors when proofing advertising pieces

Photography / Fine Art

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

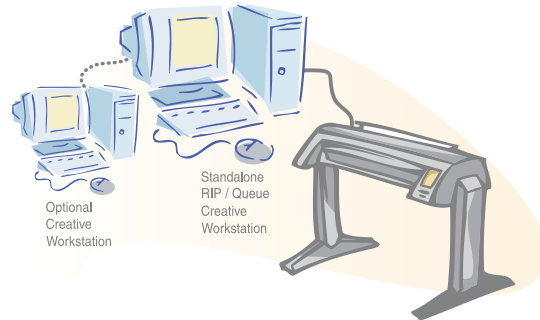
PANTONE® Color Matching

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.



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 just starting in large-format printing.



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 production toolset that outperforms bundled RIPs and Windows printer drivers.

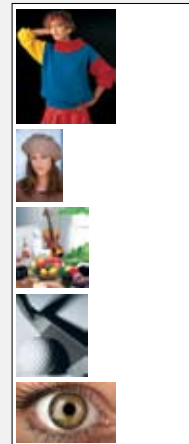
Network Accessible Across Platforms

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

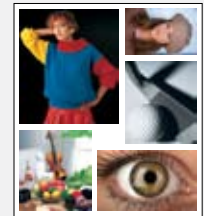
ONYX Saves on Media Costs

A thumbnail preview gives you the ability to inspect your jobs before you print reducing the need for reprinting. 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.

Windows® Drivers and Other RIPs



ONYX® RIP-Queue™



Media Savings

Automatic MediaSave feature is standard with all ONYX workflow products, it dramatically reduces media waste!

Why an ONYX® Software RIP?

Preflight Puts it all at Your Fingertips

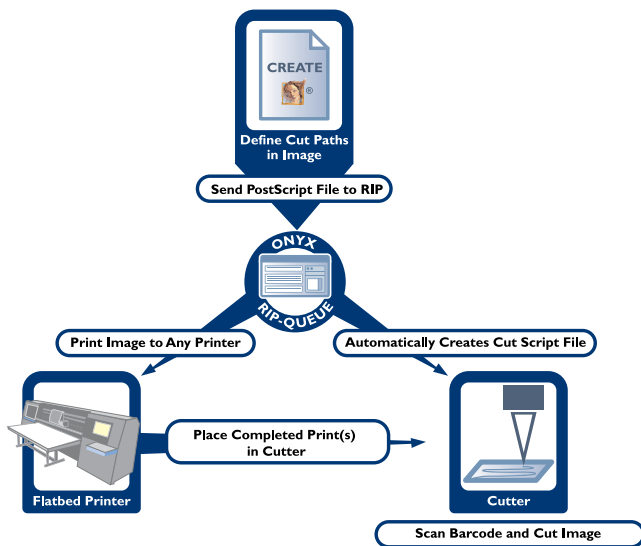
ONYX Preflight contains professional tools that allow you to perform difficult tasks easily and with consistent results from one job to the next. Interactive sizing, cropping, and custom tiling, as well as full pan and zoom, instantly show on your display.

Make Color Corrections on the Fly

Adapt easily and quickly to your customers' subjective view of color. Novice and expert users alike will find an intuitive color correction toolset that allows for quick and easy changes in the Preflight interface. Change brightness, saturation, and contrast for the image globally or for individual mid-tones and shadows. View up to four color filters at once to compare changes, or select a specific color (or a range of colors) and replace it with another to refine even the most difficult prints all without touching the original file.

Contour Cutting in Three Easy Steps

Never before has contour cutting been so easy and productive. Use Adobe® Illustrator® or Corel® Draw to define the cut paths in your image and RIP-Queue to scale, tile, nest, and manage color as needed. Send the image to any printer, which then prints the job complete with cutter marks and a barcode for scanning. Place the completed print in the cutter. The cut device knows just what to do and where to cut. It's that easy!



You retain control of every step. You select the printer, media, number of copies, rotation, magnification, and other options. RIPCenter even supports Hot Folders and Quick Sets that allow you to standardize and simplify the process even further.

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 via a dedicated cable or a network.

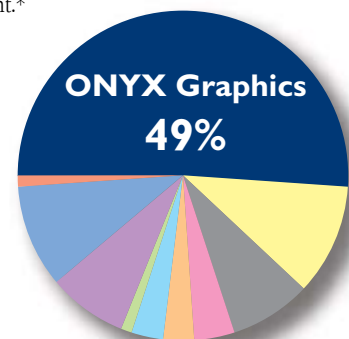
When you look at the pros and cons of a hardware RIP and a software RIP, it is obvious that there are many more pros with a software RIP. In fact, there aren't ANY cons.

Type of RIP	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	Limited 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	⊖
Faster hardware allows faster RIP time	⊖	

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. ONYX Graphics continues to hold 49% of the software RIP 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 production process.



*Source: Web Consulting 2006

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.

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. 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 more 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/HPGL2, and HPRTL drawings on any printer supported by an 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 inkjet 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 can now 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 seamless 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 16-pen palettes 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. 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/HPGL2, 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 available in PosterShop and ProductionHouse.*

ONYX® RIP Center™

System Requirements

Supported OS

- Windows Vista*
- Windows XP Pro with the latest service pack
- Windows 2000 Pro / Server with the latest service pack

CPU

- Intel Pentium IV / Xeon 3+ GHz
- Athlon 64 / Opteron 2+ GHz
- Dual CPU (for Multiple RIPs)

Storage

- Two 80 GB Hard Drives
- 1 GB RAM per CPU

Video

- 1280 x 1024 16-bit Color

Hardware

- USB Port (for security key)
- DVD-ROM Drive

*Some limitations may exist in printers and measurement devices that are not supported by Windows Vista. For a complete list of known issues with Windows Vista visit www.onyxgfx.com/vista.html.

Supported Printer Models

Small Format

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

Large Format

Agfa, Canon Encad, Epson, Graphtec, HP, Ilford, Mimaki, Mutoh, Roland, Seiko

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, 4 GB TIFF, JPEG 2000, 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, PDF-X

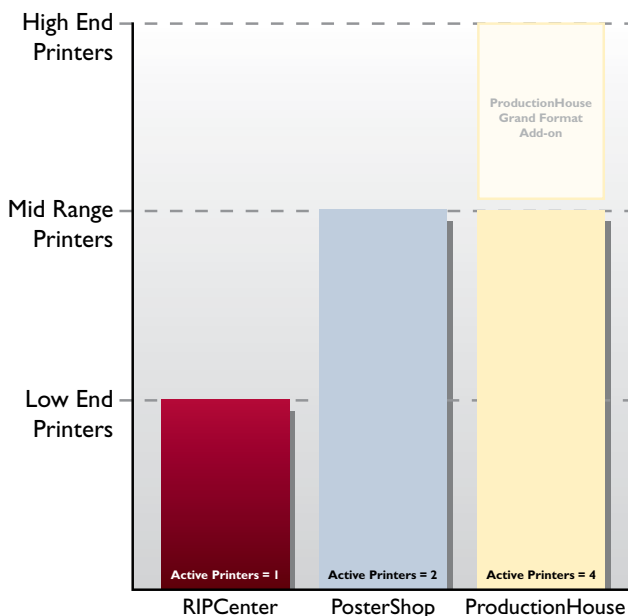
Font Types Supported in PostScript

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, Hungarian, Russian, Turkish, Greek

Driver Set Comparison Chart*

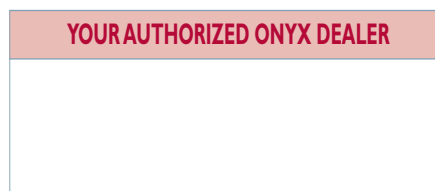


*For a complete list of supported printer drivers visit www.onyxgfx.com

Training and Customer Support

ONYX resellers worldwide are trained and receive the latest information and education from our expert training staff. Choose from multiple training options, including in-house, on-site, and online programs. To learn more about ONYX training, please contact your local ONYX representative or visit www.onyxgfx.com/support_training.html.

ONYX support technicians are certified and understand current industry trends and troubleshooting solutions. For Technical Support outside of North America contact your local ONYX dealer or distributor. Or browse the ONYX Knowledge Base at www.onyxgfx.com/kb.pl for technical assistance.



6915 South High Tech Dr. | Salt Lake City, UT 84047
Toll-free 800.828.0723 | 801.568.9900 | Fax 801.568.9990

www.onyxgfx.com

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