

# Specifications



ONYX® PosterShop®		
FEATURES	Included	Optional
Print directly from any Mac or PC creative application	♦	
Hot Folders	♦	
Print Queue for print jobs	♦	
Image interpolation	♦	
Print nesting preview	♦	
Ink usage tracking and reporting	♦	
Web portal job management	♦	
Automatic / custom tiling with overlap	♦	
Thumbnail job preview	♦	
PosterColor® rendering	♦	
Spot color matching - custom spot colors	♦	
Print multi-page PostScript and PDF files	♦	
PostScript font manager	♦	
Color proof PostScript separation files	♦	
Customize PostScript halftone screens	♦	
Printer pooling	♦	
Preflight - full preview, interactive size and crop, full pan and zoom	♦	
Tile Weld-overlap	♦	
Interactive tiling with overlap	♦	
RIP tiles individually	♦	
Direct TWAIN32 scanner / camera support	♦	
AutoUpdate software update system	♦	
Active Printers	2	
Simultaneous RIPs	1	
<b>COLOR CORRECTION TOOLS</b>		
Basic saturation and contrast sliders	♦	
Set white and black	♦	
Visual color replacement tools	♦	
Multiple on-screen color corrections	♦	
CMYK curves and splines	♦	
Customize image GCR	♦	
<b>COLOR MANAGEMENT</b>		
Default media calibration tables	♦	
Media Manager (add and calibrate your own medias)	♦	
PANTONE® Spot Color Matching	♦	
Printer gray balancing tool	♦	
Calibration devices supported by Media Manager	35+	
<b>FRONT-ENDS</b>		
CADPrint®		♦
<b>CUTTERS</b>		
Contour cutting workflow	♦	
Contour cutting for i-cut®		♦


**ONYX®**  
**PosterShop®**

Professional, Quality Production,  
Reliable Technology

VERSION

**7**

## ONYX® PosterShop®

### Features and Benefits

#### Ease of Use

- ◆ Simply click File—Open—Print to achieve great output
- ◆ Install the program and printer drivers in one easy step
- ◆ Print directly from Mac- or PC-based creative applications
- ◆ Get a user-friendly preflight and printer queue
- ◆ Get all the media profiles you need from the ONYX Graphics website
- ◆ Get free, automated software and driver updates with ONYX® AutoUpdate

#### Best RIP Value

- ◆ Easily track ink usage and get cost estimates *before* printing
- ◆ Get a complete and easy contour cutting workflow
- ◆ Get a full-featured precision and custom screen printing tool set
- ◆ Get a comprehensive set of small-, medium-, and large-format drivers
- ◆ Get free and friendly tech support in North America for Version 7.0

#### Other Great Features

- ◆ Interactively scale, crop, and rotate images
- ◆ Apply custom tiling to oversized prints
- ◆ Make color corrections and replace color or a range of colors using Preflight
- ◆ Achieve brilliant and saturated colors while maintaining gray balance with exclusive PosterColor® technology
- ◆ RIP tiles individually
- ◆ Create and edit density calibration tables and control ink restrictions
- ◆ 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
- ◆ RIP-and-print-on-the-fly

#### PANTONE® Color Matching

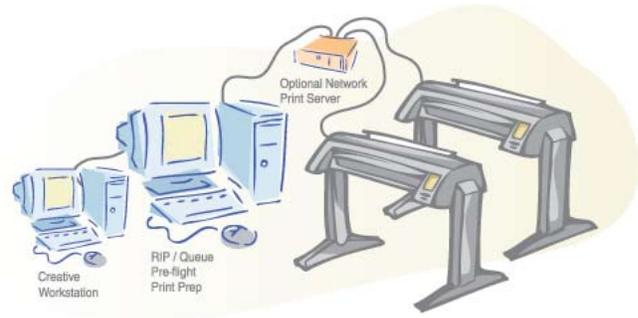
ONYX® PosterShop® includes a fully licensed PANTONE® Color Library which makes spot color matching easy because more accurate PANTONE spot color matching happens automatically during processing. The ONYX RIP recognizes PANTONE-named colors in PostScript or PDF files and matches the colors as closely as possible. PosterShop also includes a media profile gamut report that shows you just how closely your media can match each PANTONE color.



PosterShop is a  
SWOP® certified system.

### Easy Job Management

ONYX PosterShop increases your productivity by giving you flexible control over job workflow. PosterShop includes support for two printers with multiple Hot Folders (used for setting job properties). Print directly from your creative applications or drag and drop jobs into the appropriate Hot Folder. When the system detects an available printer matching the job properties, printing begins automatically.



### Scale, Crop, Rotate, and Apply Custom Tiling to Images

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.

### Ink Usage Tracking and Reporting

PosterShop Version 7.0 allows you to obtain ink usage and cost estimates on any job *before* printing. You can also view ink costs in the RIP-Queue's job log. This innovative feature reports the usage and estimated cost for each ink channel and works with all dot patterns.

### 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 PosterShop 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.

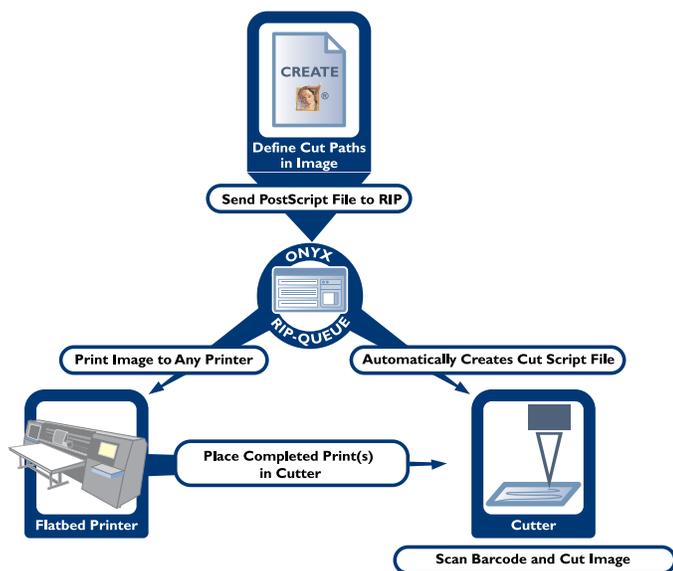
### Preflight Puts It All at Your Fingertips

Preflight is easy to navigate and easy to use because key actions and controls are located in the main tabs. Preflight also shows you final output colors on your screen, saving you the hassle of having to print in order to see the final colors of each job.

## Contour Cutting Workflow

### 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. PosterShop even supports Hot Folders and Quick Sets that allow you to standardize and simplify the process even further.

#### Cut Devices Supported:

- ◆ i-script™
- ◆ Gerber®
- ◆ Graphtec®
- ◆ Roland®
- ◆ Mutoh® Ultima
- ◆ Summa®
- ◆ Mimaki®
- ◆ Print-and-Cut Devices

*Or use the CUT-Server's generic driver to easily add support for your own cutter.*

### Discover the Convenience of Registration

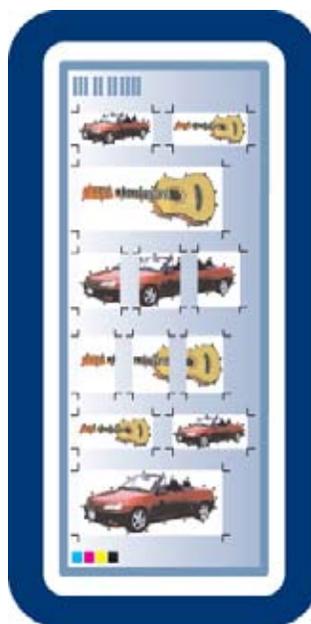
The ONYX RIP-Queue maximizes your flexibility when printing and cutting contours by completely handling the printing of “registration marks” recognized by many “electric eye” cutters. The RIP-Queue prints these specific marks needed by your contour cutter on any of the hundreds of different printers that it supports. Registration is then automatic when you use the ONYX CUT-Server to cut out the job after printing.

### Number and Barcode Capability

PosterShop creates and assigns barcodes for every job you print. Simply load the completed print in the cutter, then scan the barcode or enter the job number. The cutter automatically grabs the necessary cut script and knows exactly where to cut the images in the print.

### Scale, Nest, and Tile Cut Jobs

Interactively scale all of your illustrations directly in PosterShop before they even reach the cutter. Cut marks stay the same no matter what size you make the illustration. You can reduce ink consumption and media spoilage by nesting your images. PosterShop applies cutting paths to every job you send and allows you to preview the nested jobs directly in the application. You can also apply custom tiling to your oversized prints; after specifying the number of tiles, PosterShop automatically applies a continuous contour cutting path across each tile.



#### Contour Cutting Features and Benefits:

- ◆ Take the manual labor out of your existing workflow
- ◆ Spend less time training existing staff and easily train new staff
- ◆ Achieve one easy workflow, from your RIP to your printer to your cutter
- ◆ Print from any printer—ONYX Graphics offers the most extensive list of printer drivers and media profiles available on the market today
- ◆ Interactively scale, crop, and rotate images from PosterShop—your cutter marks automatically adjust
- ◆ Use barcode functionality to automatically scan preset cut paths
- ◆ Support up to 10 cut layers (for bevelling, embossing, die-cuts, stickers, etc.)

## Screen Printing Capabilities

### High Quality Digital Screen Printing

ONYX PosterShop is a great RIP solution for screen printers with its full-featured screening workflow for flexo and offset separations. You'll get a wide range of screen dot patterns that simulate traditional screen printing, including a set of default screens for silk screening, newsprint, and SWOP®. You can also create your own custom screening dot patterns with custom dot size, screen angle, and frequency while taking advantage of other innovative screening technologies, including spot-color mapping for dead-on color reproduction.



### Rosette Screens for Moiré-free Output

PosterShop's precision rosette screening capabilities, which have revolutionized the use of inkjet printers for screen printing separations, are incredibly easy to use. Just type in the LPI you want, and PosterShop automatically calculates the exact settings for a perfect precision rosette screen pattern. Because you select the LPI, you can have precision rosette screens spanning the full range of your printer's capabilities!

Rosette screens are unique in their ability to produce extremely high-end separations on low-cost hardware for use with flexo and offset separations as well as screen printing. The screening pattern works with PostScript and PDF files and also standard raster image file formats like RGB or CMYK TIFF, JPEG, and BMP image files.

### Advanced Screening Capabilities

As easy as it is to use precision rosettes with PosterShop for all your high-end process color separations, not all separations are created equally. That's why PosterShop also includes advanced screen options for spot color separations and files with less intensive halftones and gradients. Advanced screening capabilities let you create custom screen sets with user defined patterns, frequencies, and angles for each separation.

### Superior Linearization

PosterShop also includes superior linearization tools that let you easily calibrate your output for perfect color blends and gradients.

#### Screen Printing Features and Benefits:

- ◆ Make spot color and process color separations
- ◆ Create your own custom screening patterns
- ◆ Achieve highly precise rosette screening at no additional cost
- ◆ Easily proof color composite dot screens before printing to film
- ◆ Get comprehensive driver support for all leading digital inkjet screen printers
- ◆ Adjust dot gain using linearization scaling

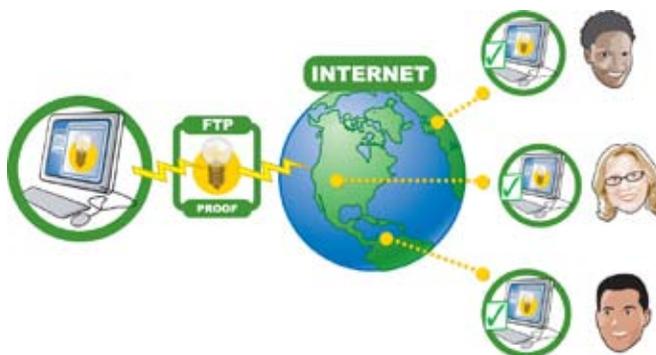
## Remote Proofing Capabilities

### Remote Soft Proofing with ONYX RIPeXtend™

The ONYX RIPeXtend™ feature extends the capabilities and reach of your print services farther than you ever dreamed possible. Imagine being able to automatically send a soft proof of a job to your customer anywhere in the world. Or how about generating images for digital signage and electronic display systems with the click of a button? Production of cross-media jobs has never been simpler than with RIPeXtend—standard with each PosterShop package.

### Simple Setup

In order to proof an image, PosterShop requires that you have a minimum of two active printers. These will act as your final output printer and your proofing printer. Your final output printer is the printer on which you will print the final image; the proofing printer is the printer on which you will test your image. This allows you to review a smaller representation of your image without wasting the ink and media of the final output printer.



### Proof Any Time, Anywhere

ONYX RIPeXtend allows you to automatically FTP a soft proof of each customer's job. Your customers can review proofs without delaying production, and they can do it from anywhere in the world. You could even use RIPeXtend to submit and review your own jobs. Simply use the ONYX Graphics web portal to submit the job. Work from home, work in a different part of the building, work anywhere you want! With the ONYX Web Portal and RIPeXtend workflow, remote soft proofing has never been easier.

#### Remote Soft Proofing Features and Benefits:

- ◆ Automate your proofing and transmittal processes
- ◆ Reduce costs of consumables and expenses of delivering proofs
- ◆ Cut days from a project's turnaround time
- ◆ Create a customer list with multiple e-mail and FTP addresses for easy retrieval
- ◆ Apply customers' ICC monitor profiles to soft proof before sending

## 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 through a dedicated cable or a network.

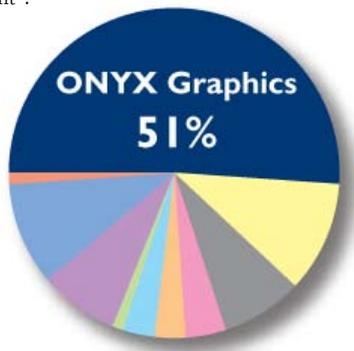
When you look at the pros and cons of a hardware RIP and a software RIP, it is obvious that there are many more pros with a software RIP. In fact, there aren't ANY cons.

Type of RIP	Pros	Cons
<b>Hardware RIP</b>	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
<b>Software RIP</b>	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. ONYX Graphics continues to hold 51% of the software RIP market share in the Digital Printers Market segment\*.

With ONYX Workflow products like PosterShop, you benefit from a single workflow solution that keeps your printers running at top speed while automating the production process.



\*Source: Web Consulting 2005

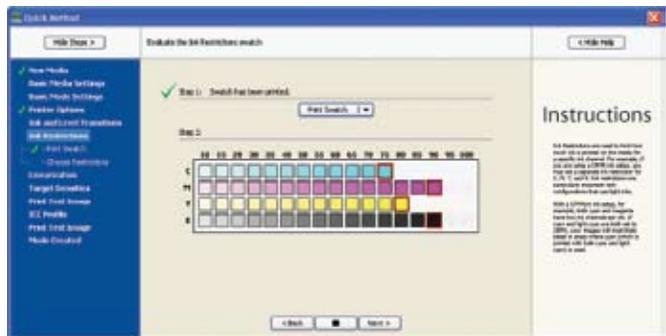
## ONYX® Media Manager

### Easily Calibrate and Manage Medias

PosterShop includes an impressive range of default media and reference ICC profiles. With PosterShop, you can recalibrate your printer to your media as needed in response to changing print conditions. You can also import and apply custom ICC profiles.

### Quick and Easy Re-Calibration

The Media Manager application dramatically reduces the time and effort needed to calibrate and color profile media. The new wizard-driven application walks you through each step of the process and includes visual tools that make each step faster and easier.



It also includes a new profile grading system that helps you pick the right profile for your print application. This tool rates and compares all of the installed media profiles, taking the guess work out of which profiles are best suited for your workflow. Profiles are automatically rated on color gamut, print speed, color accuracy, and ink usage. You get a standard report on how well each media works for print applications such as fine art, CAD, signage, POP, proofing, and photographic reproduction.



## Training and Customer Support

Get the most out of your software from the ONYX Training Staff and our reseller channel. Resellers worldwide are ONYX 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 the power of ONYX 7 software, please contact your local ONYX representative or visit [www.onyxgfx.com/support\\_training.html](http://www.onyxgfx.com/support_training.html).

Receive technical support from ONYX certified technicians who understand current industry trends and troubleshooting solutions. \*Technical support is free when operating the latest version of ONYX. 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](http://www.onyxgfx.com/kb.pl) for technical assistance.

*\*North America Only*

## About ONYX Graphics

ONYX Graphics, Inc. develops and markets commercial printing software and solutions for the digital color printing marketplace. Its award-winning and market-leading products include ONYX ProductionHouse™, ONYX PosterShop®, and ONYX RIPCenter™ software packages. ONYX Graphics is the leading developer of large-format digital color printing software with the largest installed base worldwide. For more information, visit ONYX Graphics at [www.onyxgfx.com](http://www.onyxgfx.com).



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## Optimal System Requirements

### Supported OS

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

## 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, Ilford, Infiniti, Konica, Mimaki, Mutoh, Océ, Roland, Seiko, 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](http://www.onyxgfx.com).*

## Supported File Types

### Raster File Types Supported

TIFF, TIFF/IT, 8 Bit & 16 Bit TIFF, 4 GB 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, 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

ONYX Graphics recommends genuine HP Media and Ink Supplies.