

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	☐	
Active printers	2	Up to 6
Simultaneous RIPs	1	Up to 4
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	☐	
Direct TWAIN32 scanner / camera support	☐	
AutoUpdate software update system	☐	
<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)	☐	
Profile Generator (build your own custom ICC profiles)		☐
PANTONE® 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®

Expanded toolset for a  
professional workflow



Dynamic Workflow Solutions for Digital Print Environments

# Onyx® PosterShop®

## Features and Benefits

### Ease of Use

- ◆ Simply click File — Open — Print to achieve great output
- ◆ Automatically install the program and printer drivers in one easy step
- ◆ Print directly from Mac- or PC-based creative applications
- ◆ Get a printer operator-friendly job 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

- ◆ RIP job files at speeds up to 30 percent faster than with Version 6.0
- ◆ 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 features set
- ◆ Get a comprehensive set of small, medium and large format drivers
- ◆ Get free and friendly tech support in North America for Version 6.5

### 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 — from Preflight
- ◆ Achieve brilliant and saturated colors while maintaining gray balance with exclusive PosterColor® technology
- ◆ 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

### 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. © 2004, April 2005

## Easy Job Management

Onyx PosterShop makes increasing your productivity easy by giving you flexible control over job workflow. PosterShop includes support for two printers with multiple Hot Folders, which are used for setting job properties. Print directly from your creative application. Or drag and drop jobs into the appropriate Hot Folder and, when the system detects an available printer matching the job properties, printing begins automatically.



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

Pre-flight with professional tools that let you 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 shows on your display.

## Ink Usage Tracking and Reporting

PosterShop Version 6.5 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 shows each ink channel usage and estimated cost 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 *within* 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.

## Manage Medias and Calibrate As Needed

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.

## Contour Cutting Workflow

### Contour Cutting in Three Easy Steps

Never before has contour cutting been so easy and productive. Simply use Adobe Illustrator or Corel Draw to define the cut paths in your image and RIP-Queue within Onyx PosterShop 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(s) in the cutter. The cut device knows just what to do and where to cut. It's that easy!



You retain easy control of every step. You select the printer, media, number of copies, rotation, magnification, etc. PosterShop even supports hot folders and Quicksets that allow you to standardize and simplify the process even further.

#### Cut Devices Supported\*:

- ◆ i-cut®
- ◆ 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.*

### Onyx® i-cut® Fully Automated Finishing Solution

To help you with the further success of your cutting workflow, Onyx Graphics has also partnered with Mikkelsen Graphic Engineering, Inc. (MGE), makers of automated digital cutting systems, to bring you the Onyx PosterShop i-cut® workflow, a fully automated finishing solution.

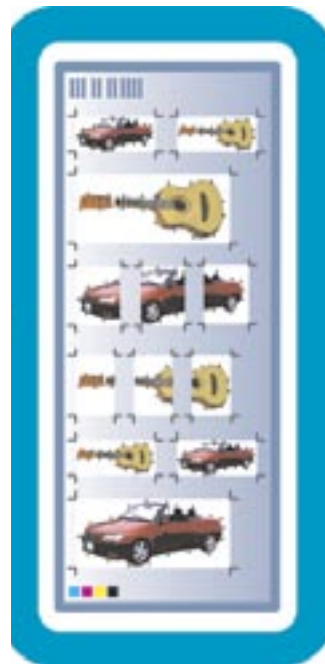


### Discover the Convenience of Registration

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 how and 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 out the manual labor 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(s) to your cutters
- ◆ 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
- ◆ Reduce ink consumption and media spoilage with nesting features
- ◆ 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

Despite its name, Onyx PosterShop is a great RIP solution for screen printers, with its fully-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 further 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, which comes 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 wish to 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 even 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 so from anywhere in the world. You could even use RIPeXtend to submit and review your own jobs. Simply use Onyx's web portal to submit the job. Work from home, work in a different part of the building — anywhere you wish! 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 email and FTP addresses for easy retrieval
- ◆ Apply customers' ICC monitor profiles to soft proof before sending



# Onyx® Profile Generator™

## You Can Achieve Better Color!

The optional Onyx Profile Generator™ supplies everything you need to create accurate, reliable profiles as defined by the International Color Consortium®. With a highly intuitive graphic interface and many advanced features, you can quickly and easily build great ICC profiles for all types of printers and media.



### Integrated Color Management

Profile Generator works seamlessly with Onyx PosterShop to create ICC profiles. While all Onyx software packages give you the ability to import and apply ICC profiles, Profile Generator is an optional upgrade that integrates into PosterShop and gives you power to create and edit industry-standard ICC profiles. This gives you true colorimetric control over your printer profiles to provide state-of-the-art color matching on any output device supported by PosterShop.

## Stop Color Tweaking Every Print Job

When profiles don't match your ink and media, your colors don't come out right. If you're having to color-tweak every job in order to get the right colors, then you need Profile Generator! With Profile Generator, you can build great ICC profiles for whatever ink and media you are using, so the color comes out right the first time and every time.

## Great Black and Gray Control

Profile Generator gives you maximum control over the separation process, allowing you to define settings for the start black point, black width, maximum amount of black ink, and total ink coverage, as well as UCR and GCR. Profile Generator also offers an automatically balanced black point generation and improved details in dark tones for printer profiles using Perceptual Rendering Intent while also ensuring neutral grays remain neutral, regardless of the whiteness of the paper.

### Profile Generator Features and Benefits:

- ◆ Achieve better color than with "default" media profiles
- ◆ Profile new media types for new applications
- ◆ Generate spectral ICC profiles
- ◆ Render more vivid colors with improved saturation rendering intent
- ◆ Control the black width in separation settings
- ◆ Choose automatically balanced or user-defined black point generation
- ◆ Choose between different gamut mapping methods



Onyx Graphics is a proud member of the ICC.

# 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.

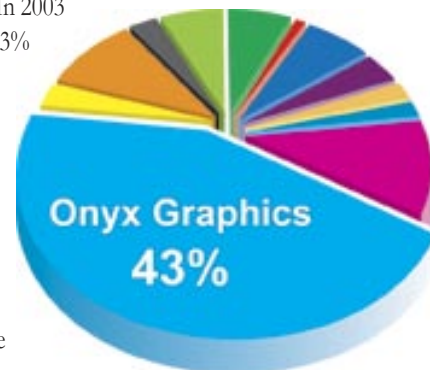
When you look at the pros and cons of a hardware RIP and a software RIP, it soon becomes obvious that there are many more pros with a software RIP. In fact, there aren't ANY cons, as the following comparison demonstrates:

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. In 2003 alone, Onyx Graphics held 43% 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 majority of production processes.



\*Source: Vector Marketing, Inc. 2003

# Onyx® PosterShop®

## Suggested Minimum Requirements

- Operating System:
  - Windows XP Pro w/ latest service pack
  - Windows 2000 Pro Server w/ latest service pack
  - Windows 2003 Server w/ latest service pack
- CPU:
  - Intel Pentium IV or higher
  - Athlon, 2.5 Ghz or higher
  - Dual CPU for multiple RIPs
- Storage:
  - 40 Gb Hard Drive
  - 1 Gb RAM per CPU
- Video Display: 1280 X 768 16-bit color
- One USB Port required for Security Key
- DVD-ROM drive 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, 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

Onyx Graphics recommends genuine HP Media and Ink Supplies.

[www.onyxgfx.com](http://www.onyxgfx.com)

## About Onyx Graphics

Onyx Graphics 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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