Onyx® ProductionHouse™

Upgrade Path

ProductionHouse comes with two active RIPs (simultaneously RIP two PostScript and/or raster files) and support for four active printers with multiple Hot Folders. It also includes media management, calibration, pre-flight preview, size, custom tiling and color correction, Step & Repeater, Web UI, Contour Cutting, and Proofing tools. As needed, add additional printers and RIPs, and Profile Generator to build custom ICC profiles.

Suggested Minimum Requirements:

– Operating System:
  - Windows 2000® Server w/ SP3
  - Windows 2000-Pro® w/ latest service pack
  - Windows XP Pro® w/ latest service pack
  - Windows 2003® w/ latest service pack
– CPU:
  - Intel Pentium III
  - Athlon, 1.5 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 suggested, 40x CD-ROM

Supports popular printer models from all of the leading printer manufacturers, including:

Small Format —
Canon, Epson, HP inkjet & color laser

Large Format —
Agfa, Canon, ColorSpan, DGI, Encad, Epson, Fuji, Graphtec, Océ, HP, Ilford, Kodak, Konica, Mimaki, Mutoh, Roland, Seiko, Tiara, Xerox Engineering Systems

Grand Format —
Digital, Océ, Vutek, NUR, Legget & Platt, Scitex Vision, Textdot, Yaselan, Zimmer, Zünd, Jeti, Whitecloud

Photo Imagers —
Océ, Durst

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.

SPECIFICATIONS

ProductionHouse Features

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 (#)	4	Up to 6
Simultaneous RIPs	2	Up to 4
Web Portal Job Management	◆	
Automatic / custom tiling with overlap	◆	
Thumbnail job preview	◆	
PosterColor™ rendering	◆	
Contract proofing tools	◆	
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	◆	
Interactive tiling with overlap	◆	
Direct TWAIN32 scanner / camera support	◆	
COLOR CORRECTION TOOLS		
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	◆	
ICC COLOR MANAGEMENT		
Default media calibration tables	◆	
Media Manager (add and calibrate your own medias)	◆	
Profile Generator (build your own custom scanner and printer ICC profiles)		◆
Printer gray balancing tool	◆	
Calibration devices supported by Media Manager (#)	35 Plus	
FRONT-ENDS		
Step & Repeater front-end	◆	
PosterGenie		◆
CUTTERS		
Contour cutting workflow	◆	
Contour cutting for i-cut®		◆

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

Onyx® ProductionHouse™

Reliable high-production throughput
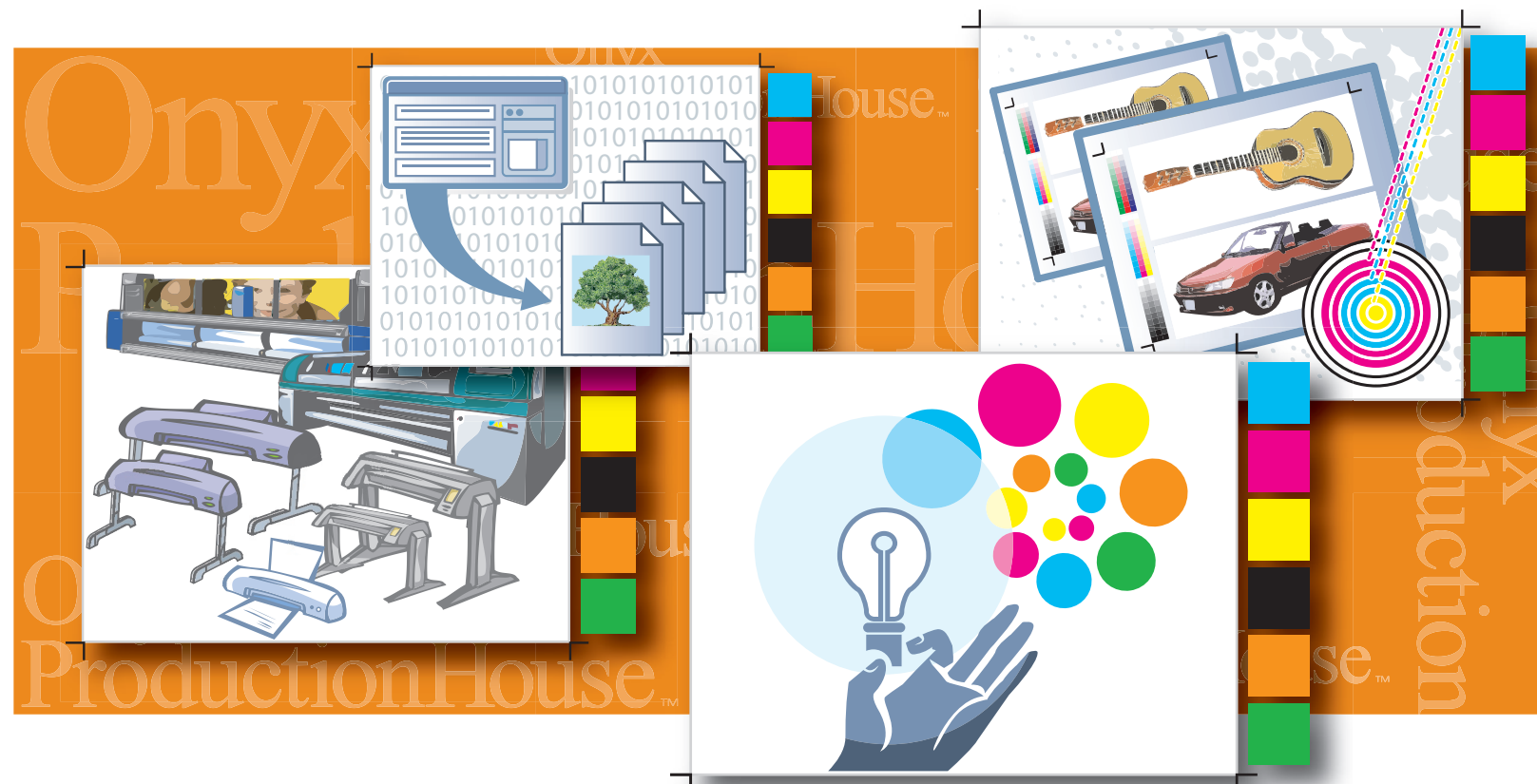
ONYX GRAPHICS

Dynamic Workflow Solutions for Digital Print Environments

www.onyxgfx.com

Onyx® ProductionHouse™

Features and Benefits

Great Color

- Powerful, easy calibration of any media substrate
- Ink control tools that let you take advantage of the full gamut of your printers
- Easy ICC workflow
- Re-calibrate your printers quickly without having to rebuild your ICC color profiles
- Consistent color over multiple print devices — even across different printer brands
- Excellent black generation and spot-color matching

Universal Workflow

- Work across platforms and drive multiple printers from various manufacturers
- 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
- Import and apply custom ICC profiles

More Productivity

- Visually preview files to avoid costly reprinting
- RIP and simultaneously print bitmapped files for faster throughput
- Fast reliable PostScript RIP
- RIP multiple PostScript and raster files at the same time

Full-Featured, Universal Workflow Solution

How many different software RIPs does your shop use? More than one is too many! If you have different RIPs for different print devices, then who is your expert on each RIP? How do you get the same results across multiple print devices?

With ProductionHouse, you have one easy workflow that gets you great color on all of your devices. All of your jobs follow the same easy workflow and all of your printer operators use the same workflow, regardless of the output device.
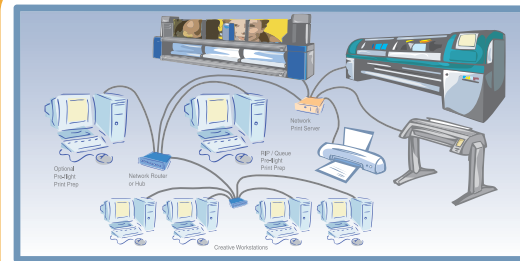
Reliable High-Production Throughput

When you simply cannot afford to have your printers offline – for even a short time – you can't afford to be without ProdutionHouse. You'll find Onyx Workflow products in more high-production environments than any other RIP product.

Preflight Puts Everything at Your Fingertips

Preflight is easy to navigate. Key actions and controls are located in the main tabs, and you can pre-flight directly from the queue.

Integrated Color Management

Onyx ProductionHouse gives you integrated color management for all of your printers. Instead of relying on an external third-party CMM, ProductionHouse has a fully integrated color management system specifically designed for large and grand format printing.

The included Media Manager tool provides quality and consistency by offering a system of controls such as ink and media configurations, calibration, profile management, etc. The optional Profile Generator tool adds the capability to build outstanding ICC profiles.

For further information regarding Profile Generator, contact your authorized Onyx reseller or logon to www.onyxgfx.com.

In-house Contract Proofing Workflow and Tools

Production printing is all about keeping your print buyers happy with your print services. ProductionHouse can improve your print service by helping you communicate color with your print buyers. The ProductionHouse RIP-Queue workflow can automatically print color proofs of any job to any proofing printer. So with just a simple click you can offer your print buyers color contract and concept proofs of their large-format jobs without affecting your production.

ProductionHouse proofing tools also include media and ICC profile analysis tools that tell you how big your media color gamuts are and how they compare. With Media Analyzer you can view and compare media color gamuts in 3-D animation as well as qualify media and measure gamuts before calibration or profiling. You can also see gamut analysis reports that list all of your spot colors and exactly how well each of your media profiles can match those colors. Another tool even allows you to proof and print PostScript® spot color separation files on any printer.


Superior Contour Cutting Workflow

Printing and cutting has never been easier or more profitable. Now you can take standard PostScript® files with contour cut paths and print them on any printer, then cut on any of a range of industry contour cutting devices, including Graphtec™, Mutoh® Ultima™, Roland®, Summa®, and Generic cutters. You can also use standard inkjet Print and Cut devices from Graphtec® and Roland® to easily print-and-cut jobs.

Whether you're already offering print and cut services or don't know anything about it, ProductionHouse offers the best workflow. Not only can you nest, resize and copy contour cutting print jobs, but you can also tile them right within the ProductionHouse workflow. The RIP-Queue automatically adjusts the contour files and handles all of the details.

Part of the magic of the ProductionHouse cutting workflow is the new CUT-Server, which steps your production operators through the cutting workflow. An optional barcode reader can automate the process even further, so operators can get more cut jobs out flawlessly.

Web Portal for Web-based Print Job Management

Manage your print jobs from any computer on your network with a web browser. You can also submit jobs from a PC, Mac, or Unix-based compatible web browser on your network.
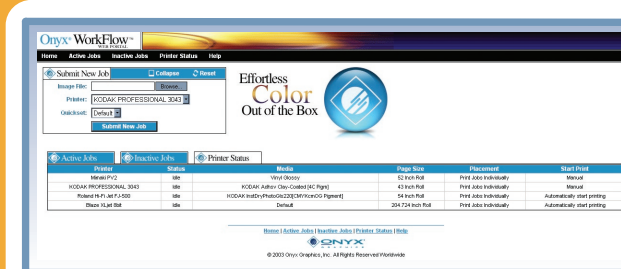
Screening Patterns and Custom Screening

In addition to dot patterns like Stochastic and Error Diffusion, ProductionHouse offers a wide range of screen dot patterns that simulate traditional screen printing. ProductionHouse comes with 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. Use these features to create precise rosette screens or take advantage of other proprietary screening technologies including Line Screen, Smooth Screen, and Ordered Dither screening.

In particular, the Smooth Screen dot pattern is designed for printers that have variant-registration of dot placement (typically, grand-format and some solvent-based printers). This new screening pattern helps reduce the appearance of banding for these printers.

PosterColor™

PosterColor™ is a proprietary color rendering technology that gives CMYK posters brilliant-looking saturated colors when you apply ICC profiles. Many print operators know that applying ICC profiles will dull-down the colors in CMYK print jobs. With PosterColor™ you get the gray-balancing and hue matching benefits of ICC color management, but with the fully-saturated look that your printer inks can actually achieve.

Solvent Ink Print without PosterColor™   Solvent Ink Print with PosterColor™