ONYX

PRODUCT FAMILY GUIDE

Leading the industry since 1989

Onyx Graphics is the market leader in providing fast, proven and reliable wide-format print workflow software solutions focused on delivering superior color users can prove.

Did you know?

Onyx Graphics, Inc. has called Salt Lake City, Utah its home since the company formed in 1989 and shortly afterwards introduced the world's first wide-format RIP. The company has grown to new heights through the largest global distribution network of over 400 local resellers. You'll find ONYX personnel located around the globe to support each diverse and unique market.

Onyx Graphics is dedicated to providing innovative new products and technology, enabling ONYX users to enjoy unrivaled success. Our uniqueness comes from driving the ever-expanding variety of wide-format printing and cutting platforms that are developed by over 125+ worldwide manufacturers.

Providing best in class color output is our core objective. This is accomplished with a team of developers and color scientists whose efforts have been recognized with numerous technology patents.

"Your shop will never outgrow ONYX. However you want to print, trust ONYX to have a solution."

- Kevin M. Murphy, President & CEO.

Contents

A complete tool set for any print

ONYX software is designed specifically for wide-format printing. Innovative color tools give Onyx Graphics the leading edge in superior output across all digital print applications.

The right tools

ONYX addresses the unique challenge of multiple applications with innovative color tools including:

- ICC profiling
- Colorways
- Swatch Books
- Step and Repeat
- ColorCheck
- AccuBoost
- PosterColor 2.0
- DeviceLink+

Our proven technology produces accurate, vibrant digital prints.

Did you know?

ONYX users enjoy optimized streamlined production for sign and graphic applications, backlit displays, high-volume printing, decals, floor graphics, vinyl wraps, decor, industrial print, soft-signage and textile.
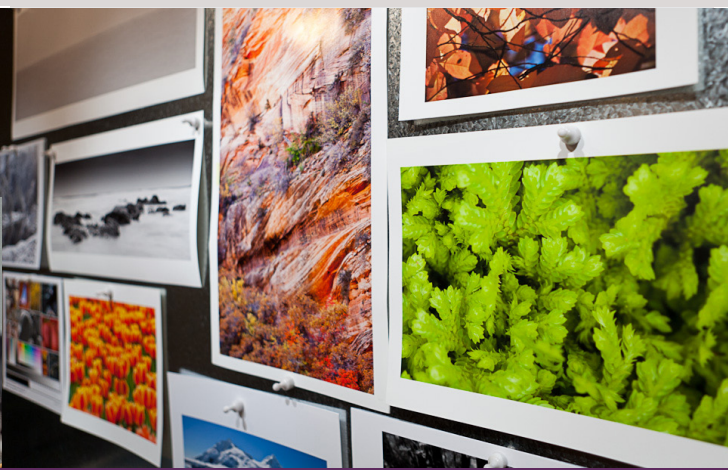
ONYX COLOR

Innovative color technologies

ONYX Color, the industry leading color engine and integrated color tools, ensures superior color accuracy, color consistency and conformance to standards you can prove to your customers.

Did you know?

Onyx Graphics, Inc. has color at its core with unparalleled knowledge on all aspects of color and color management, resulting in our multiple technology patents.

Through an in-house team of color scientists and active involvement with the International Color Consortium (ICC), Onyx Graphics influences worldwide color standards.
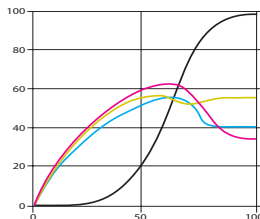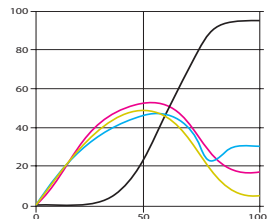

Save up to 30% ink with GCR+™
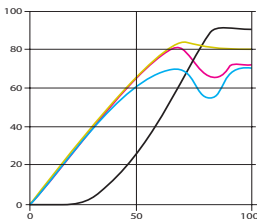
Default GCR	GCR Plus° CMY = 50	GCR Plus° CMY = 0

These illustrations demonstrate the CMYK combination for black generation across the tonal range. Each illustration represents one of the ONYX ICC Build Option Presets applied to the same ICC.

Color you can prove

ColorCheck™, a new set of process control tools for color accuracy, consistency and conformance to standards, provides confidence in meeting customer brand-color needs at the touch of a button.

In-product indicators alert users when to maintain or recalibrate printers, avoiding print errors.

Powerful tools for stunning color

ONYX software integrates the ONYX Color engine, new iccMAX compatibility, PosterColor 2.0, ColorCheck and AccuBoost to deliver color accuracy and saturation as well as expanded gamut size for amazing color output.

PosterColor 2.0, next generation technology designed by Onyx Graphics, delivers even greater saturation on solid colors using smart saturation rendering.

Users also benefit from AccuBoost, an iterative ICC profiling technique unique to ONYX software that enables pin-point profile accuracy.
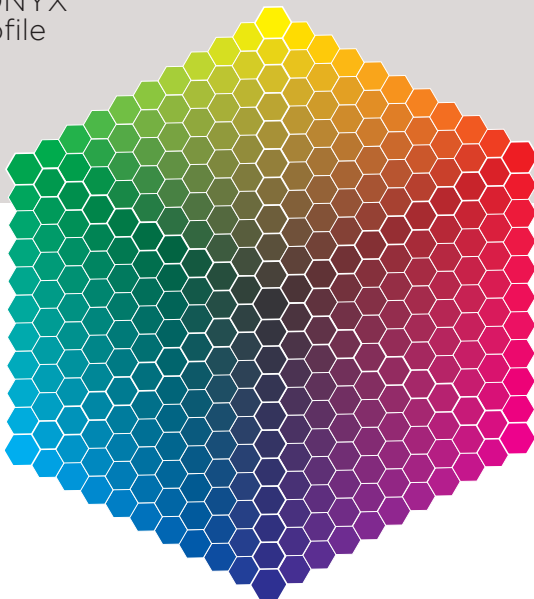
Match standards

ONYX software enables verification and matching of standards such as G7 and Fogra with simple tools.
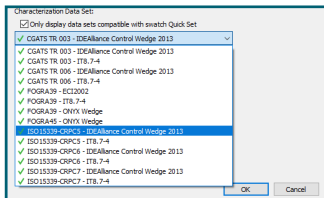
A faster, easier way to match color

ONYX 21 Introduces new tools for a faster, easier way to match color, streamline tile job workflows, with new dynamic print label capabilities.

Swatch Books 2.0

A new interactive visual workflow to print, scan, iterate and report on the ideal color match with options to add print defined colors in a single click

- Easily select swatches from all new interactive interfaces for visual or scanned swatches
- Generate scanned swatch reports to identify the best color match
- Add print mode defined colors in a single click
- Quickly iterate off selected swatches to fine tune color matches
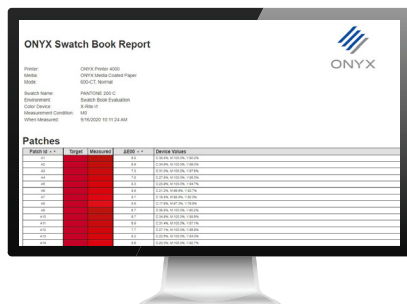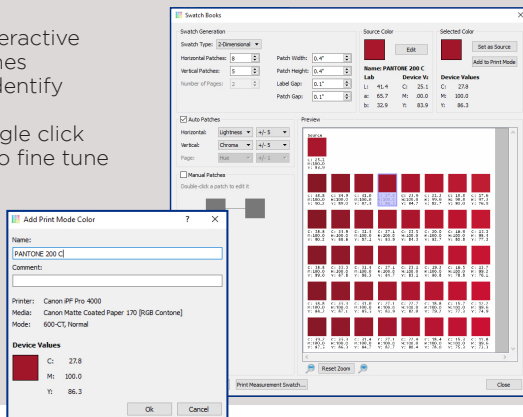
PDF Tile Maps

Intuitive PDF Tile Maps streamline tile job workflows and help guide installation with the ability to easily produce tile maps before, during and after printing or automate using ONYX Quick Sets.

- Produce color managed tile maps including tiling lists
- Be organized, accurate and efficient with a portable PDF used for, installation, customer transparency and print job previews
- Automate tile maps on any job using ONYX Quick Sets
- Easily see which tiles should be reproduced for future prints

New Dyanmic Print Label Capabilities

New dynamic print label capabilities in ONYX 21 deliver innovative tools for print shop branding and flexibility to connect to existing business tools.

- Add images to print labels on any print, including logos to increase brand visibility
- Rotate print labels 180 degrees on banners and canvas prints
- Generate dynamic QR codes with important job information
- Connect with existing business tools using Barcode images and QR codes

100% Adobe throughout

ONYX 21 utilizes the latest Adobe technology including new Adobe PDF Converter APC 3.1

Try it free for 30 days, visit onyxgfx.com
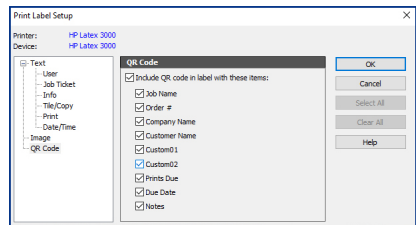
POWERED BY

Adobe PDF Print Engine

ONYX GO

A new way to experience ONYX software

ONYX Go is a month-to-month, no contract, ONYX RIP subscription with everything a print shop needs to get started in wide-format printing.

Compare Products

ONYX Go is a full-featured ONYX RIP solution and is avaulable in two product offerings, ONYX Go lite and ONYX Go plus. Choose the solution that best fits the needs of your print business.

	ONYX go lite	ONYX go plus
ONYX Color Engine	✔	✔
Spot color matching and correction	✔	✔
Print directly from design applications	✔	✔
Print-and-Cut workflows	✔	✔
Color managed large nesting previews	✔	✔
QuickSets 2.0 and Hot Folders for automation	✔	✔
Job Editor to edit and prepare files before printing	✔	✔
Integrated PANTONE library	✔	✔
Adobe PDF Print Engine (APPE) for multiple file handling	✔	✔
Automatic media savings for nested jobs	✔	✔
Unlimited roll-to-roll cutter support	✔	✔
Support for level 1 printers	✔	✔
Support for level 2 printers		✔
Production tools: Layout tool for manual nesting		✔
Production tools: Bleed and Grommet for file finishing		✔
Production tools: Swatch Books 2.0 for easy color matching		✔
Production tools: Specialty ink support for white ink		✔
Color management tools: DeviceLink+ to synchronize color output across devices		✔
Color management tools: ICC profiling and Media Manager		✔

ONYX

Greater control for job preparation

- Job Editor with controls to crop, rotate, scale and color correct images
- Add tiles, bleed and grommets to save valuable job finishing time*
- Auto-generate registration marks and nest print-and-cut files
- Color-managed large previews
- Automate printing from design file to finished product using ONYX Quick Sets and Hot Folders

Intuitive tools for superior color output
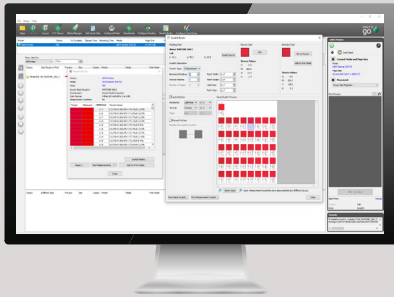
- ONYX Color Engine designed specifically for wide-format printing
- Integrated PANTONE color library
- Indistry standard color management
- Swatch Books 2.0 for easy color matching*
- ICC profiling build options*

The latest technology

ONYX uses the latest technology for superior output quality print buyers can trust.

*requires ONYX Go plus

Bringing business & production together

ONYX SiteSolutions gives business owners and production managers accurate data about print jobs, actual costs and productivity across an entire site to increase efficiency and profitability.

Print Production

Modern print shops need reliable high performance technologies that give superior output.

• Built for speed on an all 64-bit platform
• ONYX Thrive is the only truly scalable solution
• ONYX Thrive grows with your business
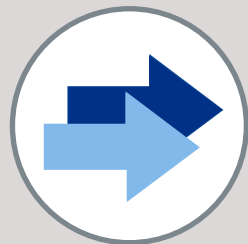
This end-to-end PDF workflow solution with scalable RIPS and printers includes automation from digital file submission through color management, printing and cutting.

"We decided as a business we needed one solution for our entire site, something to help us grow and scale our efforts to do more in less time which helped lead us to Onyx Graphics."

- Gunther Fells, KL Druck.

ONYX

Print Production	Workflow Connectors	Smart Data
• *One RIP technology for the entire site to manage print production* • *Color tools for site-wide control across all devices* • *Complete 64-bit platform built for speed and reliability to do more in less time*	• *Automated job submission through JDF workflows from design to print* • *Workflow integration across devices* • *Open architecture to take control of existing business tools to streamline and optimize workflows*	• *Real-time, historic, trend data, and production information across the entire site* • *Dynamic production reporting by station, order and job including costs* • *ONYX Print Data Platform for one central repository for site-wide data collection*

Workflow Connectors

In today's shops, business and production need to connect to compete.

ONYX Connect and ONYX SwitchConnect provide a simple, open developer interface to connect existing business tools directly with ONYX software.

Existing tool

ONYX workstation

Smart Data

Business owners and production managers need tools to see accurate data about their jobs, their costs and productivity.

Onyx Graphics takes a unique approach to bring real-time, historic and trend data to your entire site. ONYX Hub utilizes data from our innovative Print Data Platform for real-time print production data, ink usage and media waste, job histories, ink and media costs, machine and labor rates to make better business decisions.
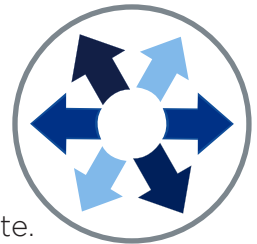
ONYX THRIVE

A solution that grows with your business

ONYX Thrive is the only truly scalable end-to-end workflow solution with network licensing to optimize any size print shop, maximize production and avoid costly downtime.

Scalable network for total flexibility

ONYX Thrive provides a network-based license for a long term solution to grow with your business. Users can easily add RIPs, printers, workflow modules and job editors to meet the demands of any print environment.

• Submit jobs from anywhere with Thrive Production Manager
• Take complete control of production at the click of a button
• Reduce prepress, proofing cycles and reworks

With 100% Adobe technology throughout, ONYX Thrive enables users to print right the first time.
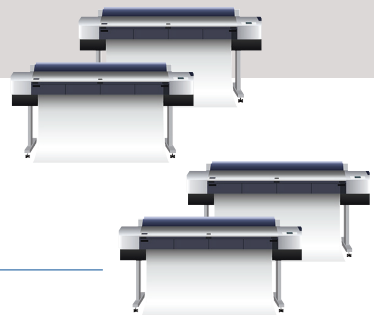
Example configurations:

Classic

Job Editor

Job Editor
4 RIPs
4 Printers

Print Only

Advanced

Job Editor

Job Editor

Job Editor
8 RIPs
3 Printers

Print Only

Print Only

Print Only

ONYX

Scalability	Performance	Predictability
• *Unlimited Thrive Production Manager for anywhere access to print production control* • *Add processing and printing capabilities independently* • *Access specific modules including ONYX Hub, ONYX Connect, ColorCheck and AccuBoost for the most powerful workflow* • *Job ticketing to track job data*	• *QuickSets and unlimited Hot Folders to speed up production and minimize errors from design to print* • *RIP and print on the fly with multiple files simultaneously* • *Printer pooling and automated workflows* • *Automated nesting, tiling, and rotation with color managed previews including finishing marks*	• *Adobe technology throughout* • *Unique PowerChroma Black Generation and integrated ink savings with GCR+* • *Color Swatch Books color selection and matching including white and specialty ink support* • *ChromaBoost gamut mapping and extensive finishing and job editing tools*

Reach new heights with ColorCheck

Exclusively for ONYX Thrive is ColorCheck: a new process control tool for users to prove color accuracy, consistency and conformance to standards including G7 and Fogra.

Easily match your customer brand-color needs consistently over time across all your devices and build repeat business.

> *"ONYX Thrive has had a large impact on our business. With as much equipment as we have running at any one time, Thrive has been instrumental in keeping us fast, reliable and consistent."*
>
> *- Aaron Holland, DSR*

Step and Repeat

With applications into decor, decal printing and soft signage, ONYX Thrive Step and Repeat allows users intuitive control to create patterns with PDF or any raster images and automated cutting workflows.
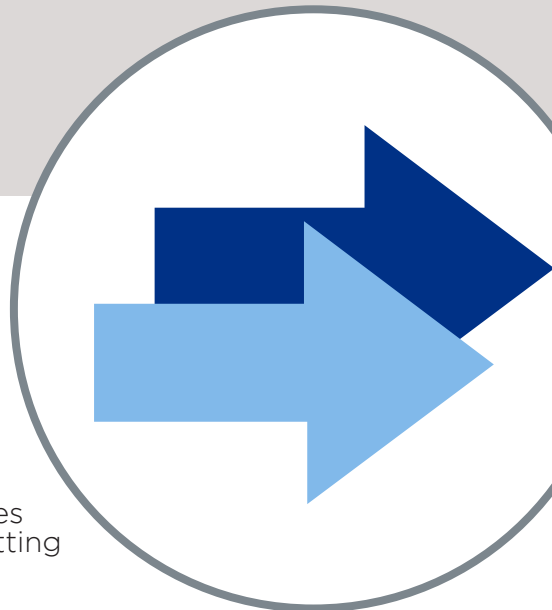
ONYX HUB 2.0

## Real data for better business decisions

ONYX Hub provides real-time and historic data plus actual job costs in an intuitive dashboard. ONYX Hub 2.0 brings data protection with secure server encryption, new user account controls and streamlined job submission from a central location.

Bringing business and production together

ONYX Hub helps business and production managers answer the question "How profitable am I?" with site-wide production data as well as intuitive reporting to ensure production efficiency.

ONYX Hub 2.0 keeps customer information secure and protects sensitive print production data with new HTTPS browising and active user management controls.

- Provide custom views for printer utlization, ink and media waste reporting
- Provide relevant data to showcase business impact at every level of print production
- Enable specific user controls for optimal print production management
- Utilize new HTTPS secure browser encryption to protect customer information

15%
CANVAS

4%
R.O.P

23%
WRAPS

TOTAL PRINTING

28%
BANNERS

8%
DYE-SUB

22%
WASTE
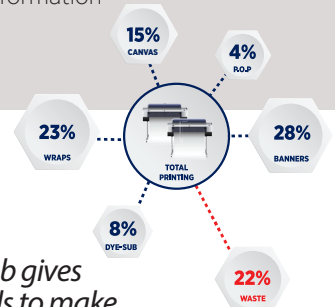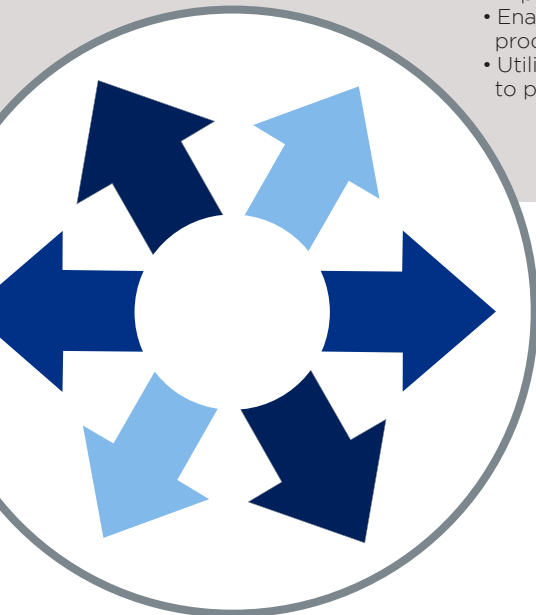
"ONYX Hub gives us the tools to make business decisions on our workflows, job estimation and it's already improving our bottom line. We definitely feel the impact of ONYX Hub on our business."
- Geert Peeters, Dr. Sticker.

ONYX

A better way to manage job submission

New job-submission capabilities in ONYX Hub 2.0 improves production efficiency from pre-press to production, saving valuable time to print more jobs per day.

- Submit jobs from one central location to any printer
- Reduce manual error by submitting jobs directly into ONYX Thrive
- Track job status in real-time at the click of a button
- Apply print job edits or add automation using Quick Sets to save time during production
- Positively impact the bottom line with improved job submission print processes

Use real data with optimized viewing on any device

ONYX Hub provides one-click access to data from all aspects of print production to improve production efficiency, eliminated bottlenecks and improve print processes.

ONYX Hub 2.0 introduces a new responsive design and reporting dashboards that automatically optimize for use on any device.

- Access business and production data in real-time with optimized viewing on desktop, tablet or phone web browsers
- Easily navigate from the home page to reporting dashboards
- Consume easy to understand ink and media usage and waste reports
- Easily see actual print costs by job or order
- Use actual print production data to make better business decisions

How to get ONYX Hub

New users can try ONYX Hub 2.0 free for 30 days.

Existing ONYX Thrive users gain instant access by subscribing to ONYX Advantage Gold.

Visit onyxgfx.com for details.
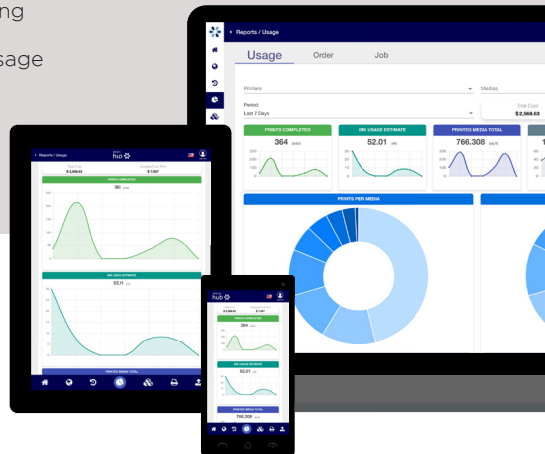
ONYX
advantage
Gold

ONYX TRUFIT

## True shape nesting for any print environment

Save valuable print production time and maximize media usage with shape-based nesting. Easily create complex nested layouts and reduce media usage by up to 50%.

ONYX TruFit artificial intelligence searches millions of combinations to achieve optimal media utilization.

• Easily create optimized shape-based nests
• Automatic cut-path and tool-type recognition from design files
• Eliminate excess white space and crop layouts on multi-page PDFs
• Real-time savings data on media utilization during nest creation
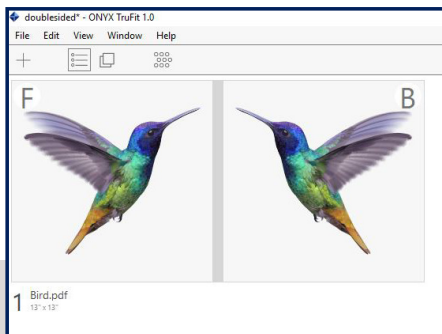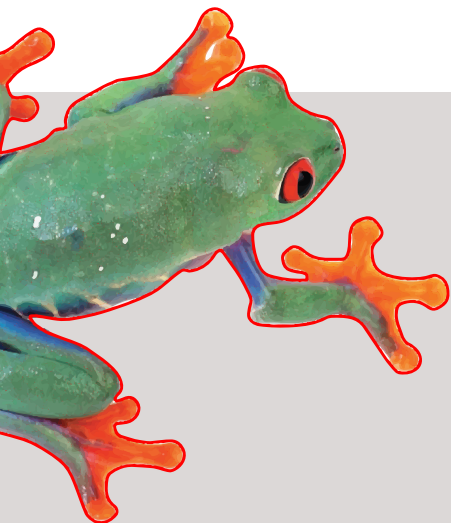
49.8%
Media Savings

ONYX
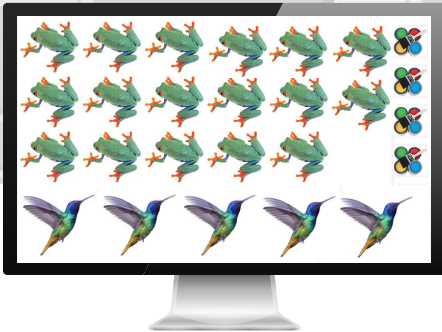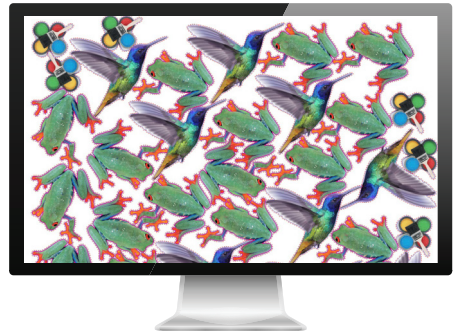
Intuitive tools bring speed and simplicity to the most complex nested layouts.

- Outline images with a single click with image tracing
- Add or edit multiple cut-paths and assign tools for any cut application
- Generate double-sided images instantly

doublesided* - ONYX TruFit 1.0

File   Edit   View   Window   Help

F   B

1   Bird.pdf
     13" x 13"

- Combine multiple files into a single layout
- Map custom cut-paths to common names
- Export files directly to ONYX using hotfolders for automated cut workflows
- Generate printable PDF files for any solution
- Original file properties unchanged, including named colors, transparencies and color management

Eliminate costly software changes

- Works seamlessly across Windows or MAC OS platforms using open architecture
- Integrates into all existing RIP solutions
- Simple to operate from Designer to Print Operator

Try it free for 30 days. Visit www.onyxgfx.com for details.

ONYX RIP PRODUCTS

Simplicity in achieving superior prints

ONYX PosterShop and ONYX RIPCenter provide a versatile tool set with color managed output that is easy to use. Add automation with finishing tools for complete print-and-cut workflows.

Compare RIPs

	ONYX ripcenter	ONYX postershop	ONYX thrive
ONYX Color Engine	✓	✓	✓
The latest Adobe PDF Print Engine	✓	✓	✓
Virtual printer support	✓	✓	✓
iccMAX compatibility	✓	✓	✓
Color managed large nesting previews	✓	✓	✓
QuickSets 2.0 for automation	✓	✓	✓
Cut-only workflows and finishing marks	✓	✓	✓
Automatic spot color matching and replacement	✓	✓	✓
Finishing tools: Grommets and Bleed		✓	✓
Finishing tools: Sewing Marks		✓	✓
ICC Profile building		✓	✓
Manual nesting layout and variable data printing		✓	✓
PowerChroma™ with GCR+™ ink savings		✓	✓
Color Swatch Books		✓	✓
Integrated G7 verification			✓
Thrive Production Manager access from anywhere			✓
Flat-bed cutting support			✓
Step and Repeat tool			✓
Network licensing for scalable print production			✓
AccuBoost iterative ICC profiling for accuracy			✓
ColorCheck for accuracy and consistency*			✓
ColorCheck standards matching: G7 and Fogra*			✓
Access to ONYX Hub*			✓

* available with ONYX Advantage Gold subscription

ONYX

Color Management	Job Preparation	Finishing & Cutting
• *Build ICC profiles with ONYX PosterShop*	• *QuickSets and unlimited hot folders to speed up production and minimize errors from design to print*	• *A fully integrated print-and-cut workflow with ONYX PosterShop*
• *Print > Read > Next media profiling to easily maximize output quality*	• *Job ticketing to track job data*	• *Preview cut-paths that are instantly recognized from Adobe CC applications*
• *Optimized out-of-the-box presets for quick installation to get up and running*	• *Color Swatch Books color selection and matching*	• *Add finishing marks using ONYX PosterShop with color managed previews*
• *PowerChroma ink savings technology improves profitability*	• *Easily modify jobs without leaving the RIP-Queue into other applications*	• *Cut-only workflows to import jobs directly into CUT-Server*

Powerful fast predictable output

ONYX RIP products now include the latest Adobe PDF Print Engine to further enhance the power of ONYX for shops with up to 2 printers.

• Easily manage any ONYX production environment
• Optimized out-of-the-box presets
• Automation with ONYX QuickSets to get to sellable prints faster

"We've used other RIPs and couldn't hit color. We put it in ONYX once and it's perfect. It's definitely made my life easier and saved us on rework waste by printing right the first time."

- Rick Gaskins, Frontline Wraps.

ONYX ADVANTAGE

Secure your investment, keep current

ONYX Advantage is so much more than a cost effective way to keep your software current. It provides access to new versions, additional tools for maximizing production, drivers, support, training and on-demand how-to videos.

Did you know?

ONYX Advantage holders receive new version and update product releases of ONYX software through an online portal as part of the annual subscription as well as access to global support.

Additionally, new drivers are added every month to our existing library of over 2500+ supported devices, making future printer, cutter and color device purchase choices easy.

Upgrade to the latest version of ONYX software through ONYX Advantage and save up to 25% on the cost of product updates over 3 years.

Contact your Authorized ONYX Reseller or visit onyxgfx.com to get started today.

"ONYX is the way to build ICC profiles, the results with this latest version are stunning. The improvements I've seen really raises the bar. ColorCheck works very well indeed. Being able to prove color, match standards and maintain consistency helps my customers and my business."

- Kevin Stallibrass, Paper Graphics.

ColorCheck is available through an ONYX Advantage Gold subscription.

Security	Peace of Mind	Value
• *Always have the latest version with maximum feature sets* • *Adobe power throughout with minimal cost via subscription* • *Don't fall behind technology developments and product release cycles* • *Access to global technical support*	• *Access to new printer drivers as they become available each month* • *Avoid surprise costs for new product releases* • *Get access to on-demand training and videos through myonyx and ONYX TV for free*	• *Free access to white papers and training how-to documentation* • *Free access to our global support call-center* • *Free hardware key replacement* • *Access to ONYX Hub, ColorCheck and other add-on modules for a fraction of the cost via subscription*

ONYX Advantage tiers

ONYX Advantage includes specific programs to match product and business needs. ONYX Advantage Silver and Gold are premier programs for ONYX Thrive and for access to modules such as ColorCheck.

ONYX Advantage is also available for our RIP products including ONYX PosterShop and ONYX RIPCenter.

Compare tiers

	ONYX advantage Silver	ONYX advantage Gold
Access to global technical support team	✓	✓
Access to customer support telephone hot-line	✓	✓
ONYX support online access with myonyx	✓	✓
Access to the latest product downloads	✓	✓
Access to printer, cutter and color device drivers	✓	✓
Access to new version releases	✓	✓
Free hardware key replacement	✓	✓
On-demand video training	✓	✓
Special access to product whitepaper guides	✓	✓
Quick tips and tricks how-to guides	✓	✓
Access to ONYX Hub business intelligence		✓
Access to ColorCheck: Named Colors		✓
Access to ColorCheck: Print Gamut Verification		✓
Access to ColorCheck: Baselines and Process Control		✓
Access to ColorCheck: G7 and FOGRA standards		✓

NOTES:

For more information contact your
Authorized ONYX Reseller
or visit onyxgfx.com

ONYX
AUTHORIZED
RESELLER

ONYX