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."
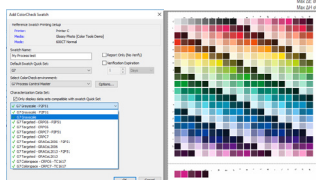
- Kevin M. Murphy, President & CEO.

ONYX

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
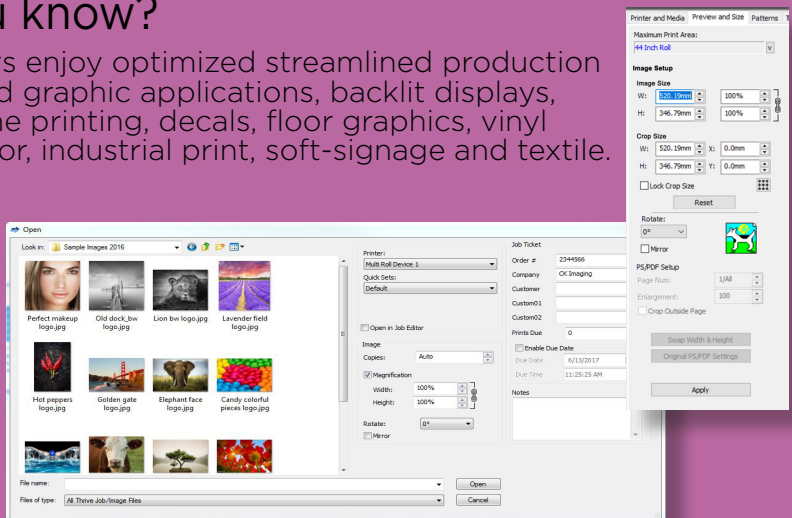
Our proven technology produces accurate, vibrant digital prints.
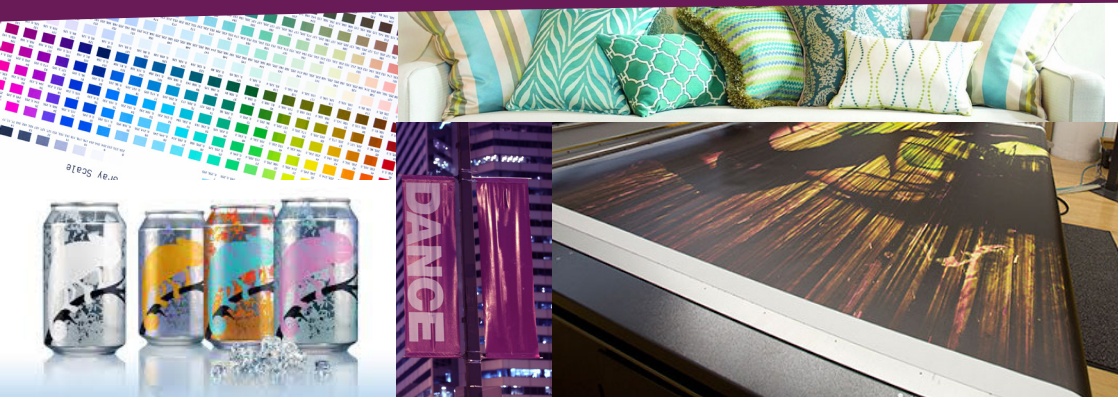
Did you know?

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.
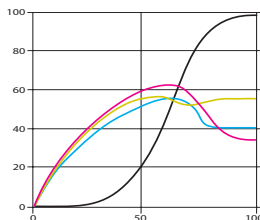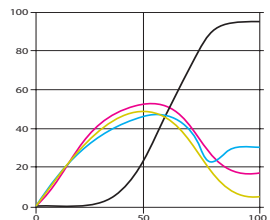
iccMAX   Fogra   ICC   G7   ISO

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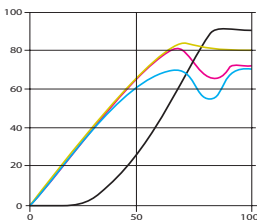
Default GCR	GCR Plus° CMY = 50	GCR Plus° CMY = 0

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.

ONYX

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.
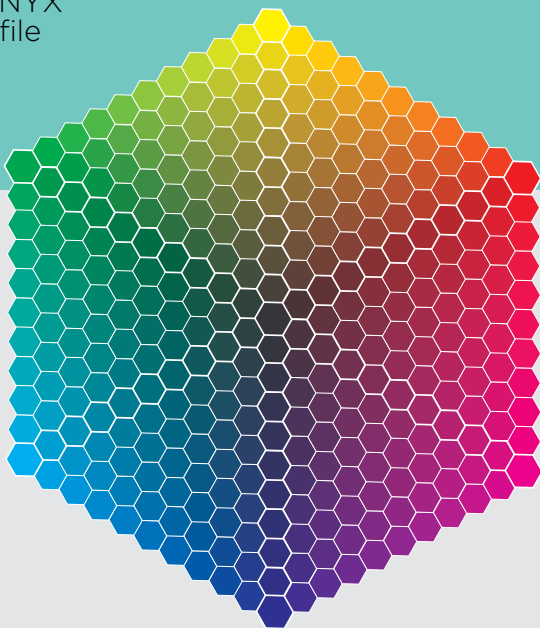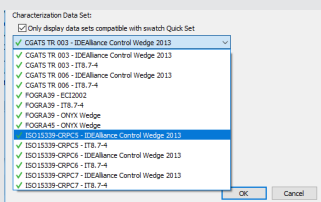
ONYX 18

A new color experience, next level power

ONYX 18 software introduces new technologies for color accuracy, color consistency verification and conformance to standards print service providers can prove to their customers at the touch of a button.

A new color experience:

Core ONYX Color™ enhancements make it easy to achieve vibrant detailed output with optimized out-of-the-box presets to get to sellable prints faster.

• Improved black ink combinations for shadow detail and texture
• Increased saturation for reds and oranges
• The first solution compatible with iccMAX

iccMAX is the new standard recommended by the ICC for all wide-format print applications especially soft-signage and textile.

"Onyx raises the bar once again with ONYX 18 and sets the standard for the next evolution in color management tools and software. With ONYX 18's newest color engine, the impact in printing output is significant, yielding similarly to the impact HDR has had on the photography and television segments."

- Jared Yoder, Spectrum Graphics.

ONYX

Default ICC settings

Saturation 'most' setting

Expanding 3 CMYK/RGB and PosterColor 2.0

New hue stabilization and color engine enhancements provide high saturation levels and large output gamut size with existing calibration and ink settings while maintaining image detail in shadow areas

Next level power and reliability:

ONYX 18 boasts the latest Adobe® PDF Print Engine, the premier engine for creatives and print production alike to any size shop.

• High speed, high fidelity print platform
• Expanded spot color handling with up to 127 color channels
• Accelerated processing for patterns and soft masks.

Super fast algorithms in APPE ensure consistency and reliability across proofing cycles, minimizing errors and last-minute fixes.
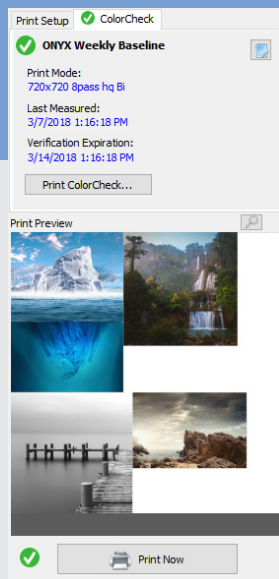
POWERED BY
Adobe PDF Print Engine

Dynamic production tools:

ONYX 18 introduces ColorCheck, AccuBoost, PosterColor 2.0, Swatch Books search for specialty ink, easy cropping during job preparation, putting the power of ONYX into the hands of every day users.

Try ONYX 18 for free with a 30-day cloud-based trial download.

Visit onyxgfx.com/downloads.

Print Setup — ColorCheck

ONYX Weekly Baseline

Print Mode:
720x720 8pass hq Bi
Last Measured:
3/7/2018 1:16:18 PM
Verification Expiration:
3/14/2018 1:16:18 PM

Print ColorCheck...

Print Preview

Print Now

ONYX SITE SOLUTIONS

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
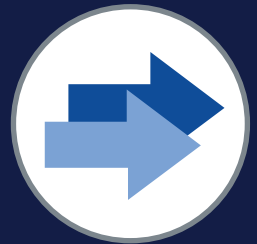
This end-to-end PDF workflow solution with scalable RIPS and printers includes automation from digital file submission through color management, printing and cutting.

"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.

ONYX workstation

Existing tool

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.
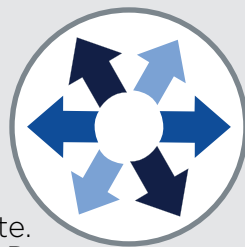
ONYX THRIVE

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.

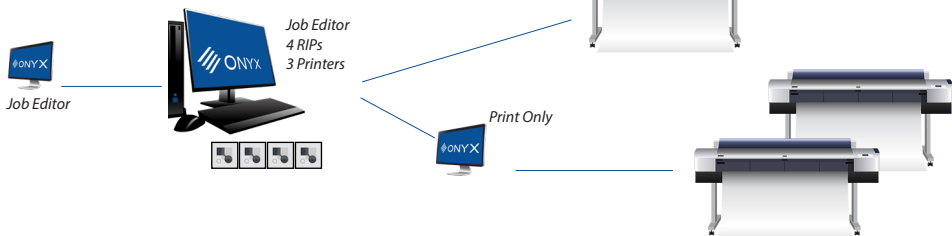## Scalable network for total flexibility:

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
3 Printers

Print Only

Advanced

Job Editor

Job Editor

Job Editor
8 RIPs

Print Only   *Print Only*   *Print Only*

ONYX

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

Reach new heights with ColorCheck:

New for ONYX 18 and 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.
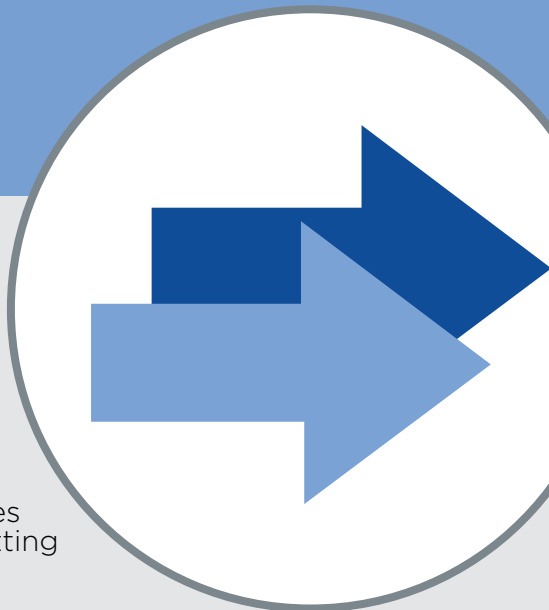
Real data for better business decisions

ONYX Hub is a business intelligence tool with a browser-based dashboard that provides real-time, historic and trend data including actual job costs enabling better business decisions.

Bringing business and production together:

ONYX Hub brings smart data to business owners and production managers to answer questions such as "Did I make money on this job?" or "How profitable am I?"

Users can easily see site-wide production data as well as drill down into specific jobs to ensure production efficiency and eliminate bottlenecks.
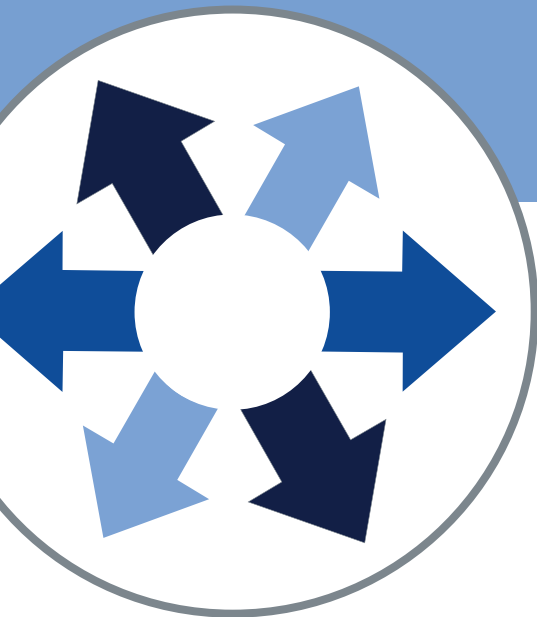
"ONYX Hub gives us the tools to make business decisions on our workflows, job estimation and it's already improving our bottom line. We definitely feel the impact of ONYX Hub on our business."

- Geert Peeters, Dr. Sticker.

Entire Site Visibility	Dynamic Reporting	Data Driven Decisions
• *Immediate visibility into your entire print environment* • *Drill down into print data by station, order and job showing reprints, submissions, printer information, time stamps, job ticketing, ink usage, media waste* • *Browser-based dashboard to navigate easily to all areas of site-wide print production*	• *Real-time and historic ink usage and media waste reporting* • *See actual job costing including ink and media costs, machine and labor rates* • *View live production data by station, order and job* • *Use trending data to understand production capacity*	• *Make better business decisions based on real data* • *Identify production bottlenecks and areas of inefficiencies to increase productivity* • *Use costing data to better estimate jobs and increase profitability* • *Make production workflow changes on the fly based on actual data across your entire site*

Stop guessing! Use real data:

"Am I profitable?"

"Did I make money on that job?"

"How can I improve efficiency?"

"What is my real ink usage?"

"How much waste do I really have?"

"What are my actual job costs? "

"Did I estimate that order correctly?"

"Should I buy another printer?"

15% CANVAS
4% P.O.P.
23% VEHICLE
TOTAL PRINTING
22% WASTE
8% TRADESHOW
28% BANNERS
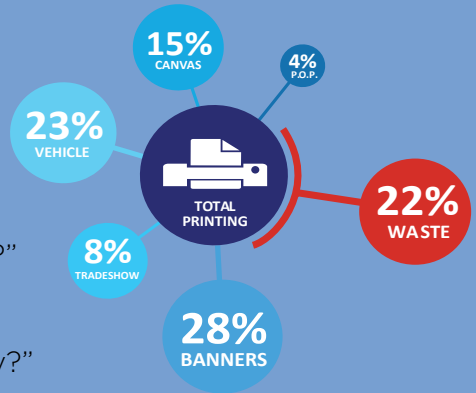
One-click access:

At the touch of a button, ONYX Hub provides one-click access to all aspects of production in an intuitive dashboard.

Navigate from live and historic usage reports, device data, actual costs for ink, media, labor and machine rates, online help as well as submit jobs with Thrive Production Manger.

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

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