Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

The Spark Engine™ ▶

DeviceLink+™ ▶

Additional Features in ONYX 19 ▶

ONYX advantage 👤   🖥 For Resellers   **Why Upgrade** ▶

ONYX 19

Updated May 7, 2019

1.

Introducing the Spark Engine™

The Spark Engine™ is a new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.
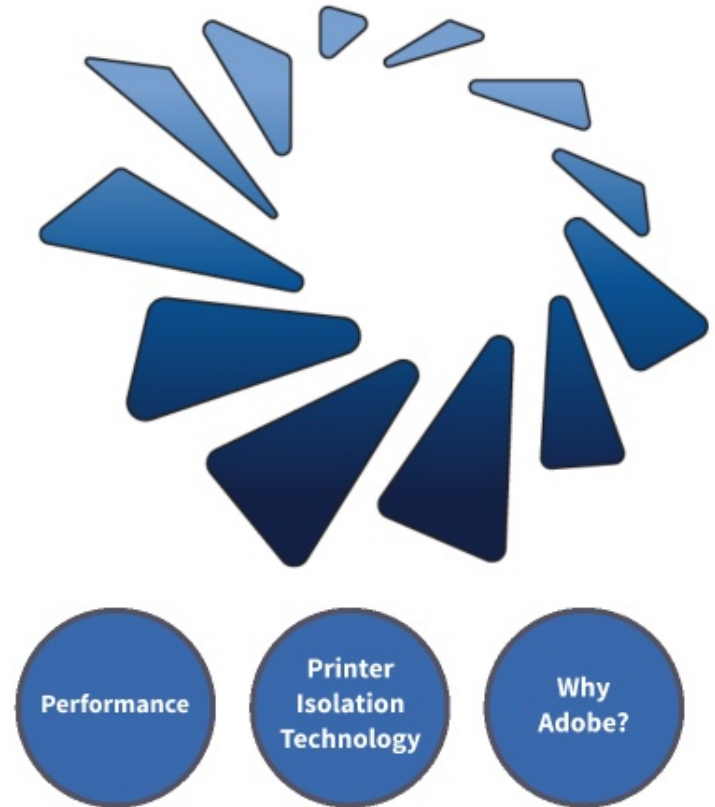
Never miss a deadline with new printer isolation technology that ensures print production continues in the event of printer failure.

A winning combination

The latest Adobe PDF Print Engine 5.1 (APPE) with PDF 2.0 support, combined with the power of the Spark Engine is a winning combination for any print application.

POWERED BY
Adobe PDF Print Engine

Performance

Printer Isolation Technology

Why Adobe?

Unrivaled speed, performance and reliability

- Advanced **compression** algorithms **increase RIP speeds** up to 400%

- New **threading pipeline** improves printer **performance up to 200%**
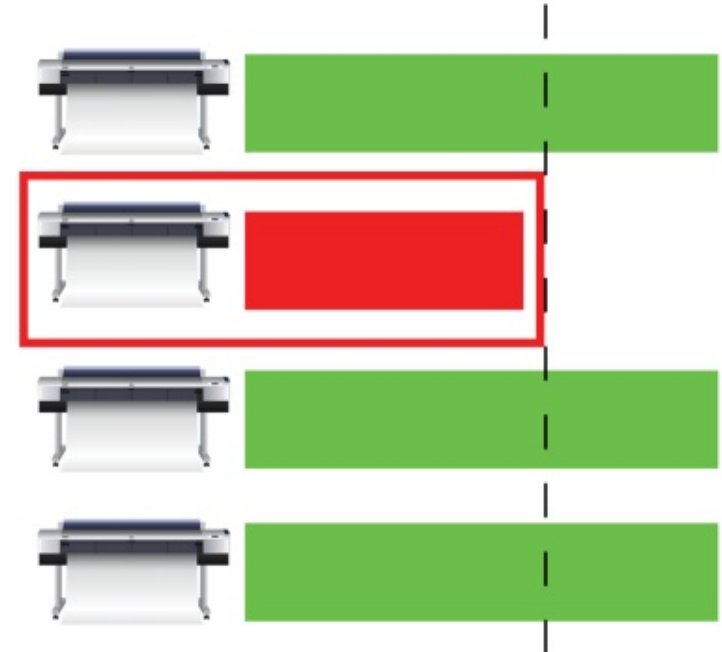

- New **rendering technology** increases Step and Repeat **performance up to 600%**

Printer Isolation Technology

Never miss a deadline with new printer isolation technology that ensures print production continues in the event of printer failure.

- ONYX 19 introduces print isolation technology to separate out print processes into their own threads, enabling production stability if the unexpected happens

- Each printer continues to operate in RIP-Queue unaffected by the problem

Unlock potential in your printing with Adobe

Adobe Systems Incorporated is famous for its applications which help designers across the globe. With a strong global presence, a recognizable brand portfolio, and a reputation for being trustworthy and reliable, Adobe products have become the champion of print providers everywhere.

Every time someone interacts with an image or file, there comes with that interaction the opportunity a great experience. Businesses that can deliver on that will build loyalty that leads to growth. With the combination of ONYX Color and the Adobe Print Engine, we help you to create amazing output, harness the power of your equipment, and accelerate your business processes, so you can design and deliver experiences that your customers will love.

- **Predictability** - Industry leading file technologies, from design to production, that deliver quality output every time

- **Performance** - Fast parallel processing, 64-bit operation, and optimized compression creates unrivaled performance

- **Industry leader** - Propel your business forward with tools you can trust

No matter what image type you are using in your workflow, whether it's PDF, TIFF, JPG, EPS, or any other common image file type, ONYX has the solution print providers need.

Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

The Spark Engine™ ▶

DeviceLink+™ ▶

Additional Features in ONYX 19 ▶
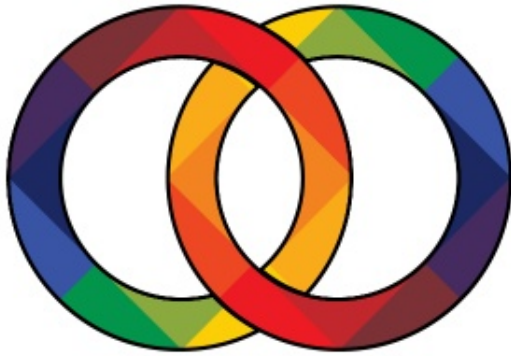
ONYX advantage 👤 🖥 For Resellers **Why Upgrade** ▶

ONYX 19

Updated May 7, 2019

Transform the color management experience

DeviceLink+ is an an all-new system to achieve consistent color across an entire site.

- Automatic generation of DeviceLink profiles
- Easily apply ink savings for any media profile using GCR+
- Achieve consistent color across devices with new simulation and proofing controls
- Improve color accuracy across all existing media profiles at the click of a button
- Streamline workflows with DeviceLink+ QuickSets

Make fast, effective, output profile changes without the need to read in new swatches or use a color measurement device.

ONYX
color

Understanding DeviceLink+

Automated Profiles

What are DeviceLink Profiles?

DeviceLink profiles are color managed output profiles that take the guess work out of matching input and output color space to achieve consistent color across devices
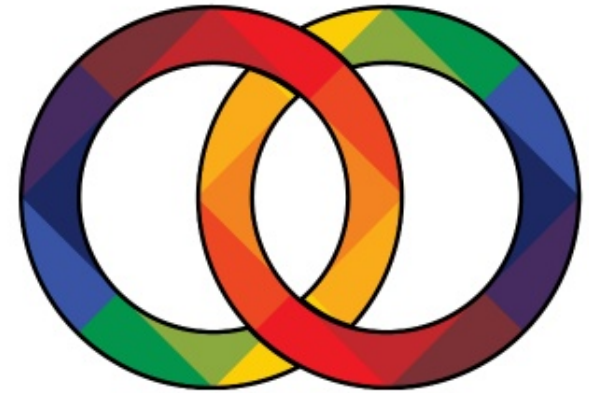
Why it matters:

By making calculated decisions to map two or more RGB, CMYK and LAB inputs to outputs, the output accuracy is increased

Using DeviceLink+ to create DeviceLink profiles is completely automatic. There is no need to re-read in swatches or use a color measurement device, simply enable DeviceLink profiles and ONYX does the rest

This process can be followed when simulating output across multiple devices as well as applying color management presets for any media profile:

- In simulation, the inputs of each device are combined and transformed to simulate output for color consistency across each device

An example of using DeviceLink+ for color management settings is applying ink savings. This becomes easy and automatic by allowing DeviceLink+ to calculate the color conversion for reduced ink that maintains accurate color output.

Using DeviceLink+ for automated profiles

Choosing DeviceLink+ as part of a QuickSet will automatically generate profiles for any media and mode.

These include:

- UCR
- GCR black generation
- GCR+ ink savings
- ChromaBoost saturation

Simple to use and manage

- Choose to use DeviceLink profiles by enabling them in color management settings
- Select any media or mode when opening jobs and let ONYX build a DeviceLink profile automatically
- ONYX tracks and remembers DeviceLink profiles to be used for any future job for that media or mode

No need for new swatches
No need for a color measurement device

Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

| The Spark Engine™ ▶ |

| DeviceLink+™ ▶ |

| Additional Features in ONYX 19 ▶ |

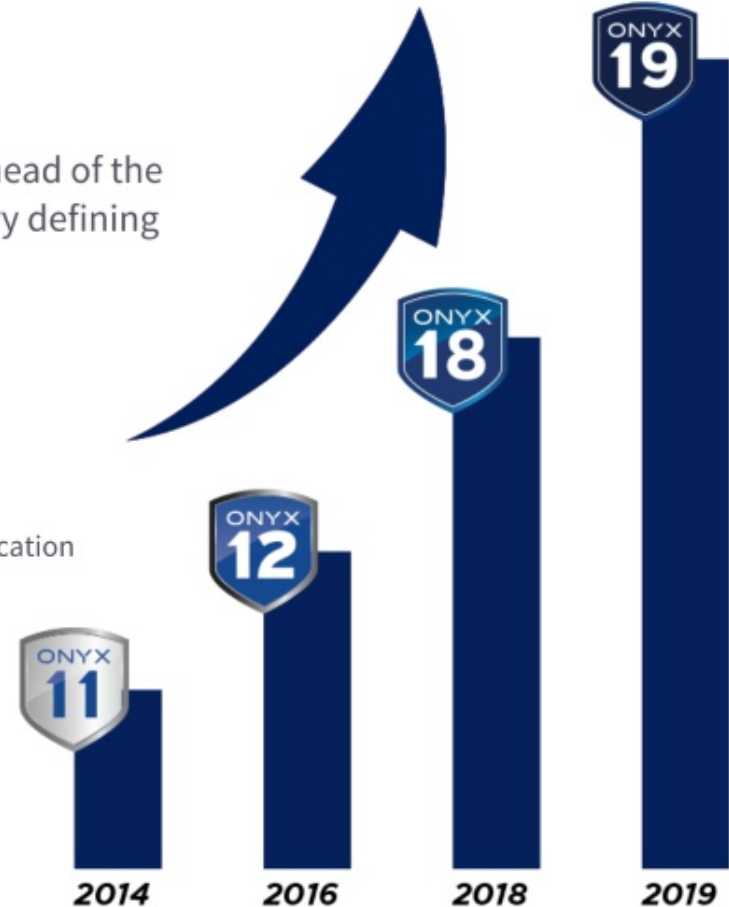ONYX advantage 🧑   💻 For Resellers   Why Upgrade ▶

ONYX 19

Updated May 7, 2019

Always innovating

Technology increases at an amazing rate. Onyx Graphics is ahead of the competition with 4 major releases in 5 years, bringing industry defining technologies including APPE 5.1 and ColorCheck.

ONYX 19 introduces even more.....

- The only solution with the ability to **build iccMAX v5 profiles**
- Speed, performance and automation options to **Step & Repeat** jobs
- **New Dot Pattern Technology** for the smoothest output on any print application
- **Nest outline cut paths** to reduce time spent weeding jobs

iccMAX

New Dot Patterns

Step & Repeat Enhancements

Nest Outline Cut Path

ONYX 11   ONYX 12   ONYX 18   ONYX 19

2014   2016   2018   2019
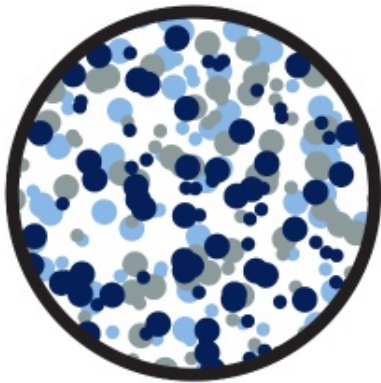
iccMAX - the future of ICC color standards

Onyx Graphics is driving color innovation across industries and around the globe!

- Wide-format printing
- Textile / Soft Signage
- Image Capture/ Digital Photography
- Package Printing
- Online Color Management
- Fine Art
- Medical Imaging

ONYX 19 is the only solution with the ability to build **iccMAX v5 profiles,** the latest standard **recommended by the International Color Consortium.**

New dot pattern technology in ONYX 19

Achieve perfection in color and quality with new dot pattern technology for all print applications including soft-signage and textile.
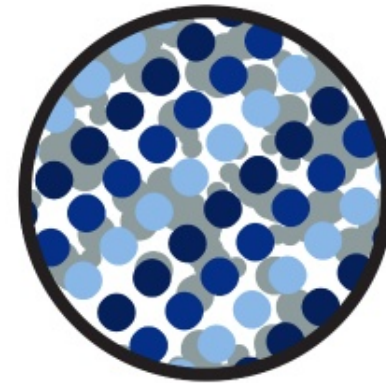
Enhanced Stochastic

Eliminates empty space in dot placement with improved dot correlation between ink channels

Line Stochastic

Add screen angles to the black channel using Enhanced Stochastic dot pattern for smoother linear output
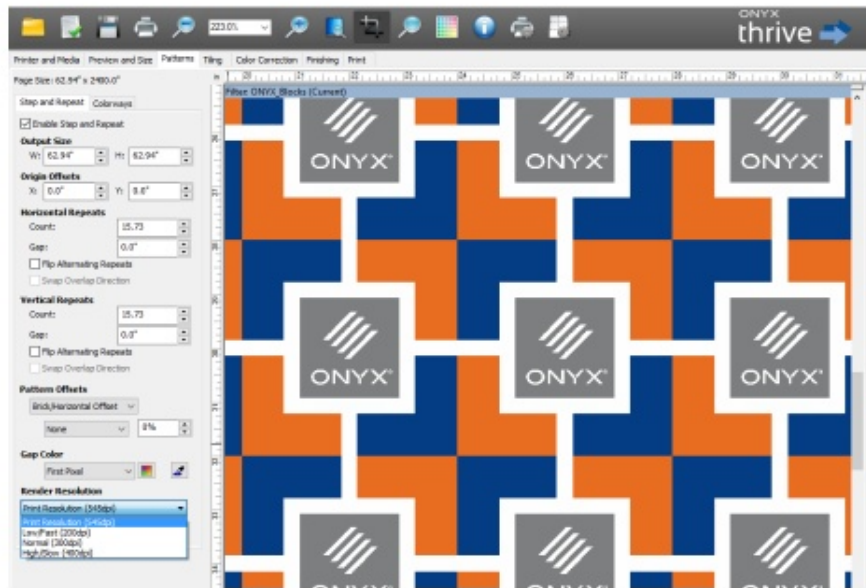
Screen Stochastic

Add additional smoothness across the black, cyan and magenta channels with screen angles while using Enhanced Stochastic dot pattern for all other ink channels

Speed, performance and automation in Step and Repeat

- RIP and color manage the first repeat and ONYX seamlessly repeats the images for unlimited copies

- Easily downsample Step and repeat jobs in Job Editor to 400, 300 or 200 DPI to meet the needs of the print application

- Apply QuickSet automation to Step and Repeat jobs to streamline workflows and reduce manual error

- Export Step and Repeat QuickSets and apply them to multiple devices

- Quickly see Step and Repeat jobs in RIP-Queue with automatic previews that match page width and height

ONYX
textile

Save time weeding jobs with new Nest Trim Box

The Nest Outline Cut Path is a new Placement Strategy option that will automatically add a cut path around your nested jobs

Bar codes and cut marks remain after weeding so jobs can be reloaded and cut again for finishing

Spend less time weeding and finishing jobs and get product to your customers faster with ONYX 19

Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

The Spark Engine™ ▶

DeviceLink+™ ▶

Additional Features in ONYX 19 ▶

ONYX advantage 👤 🖥 For Resellers **Why Upgrade** ▶

Updated May 7, 2019

ONYX advantage

Keep Your Software Current to Secure Your Investment

ONYX Advantage™ is so much more than a cost effective way to keep your RIP and print workflow software current. It provides an easy way to get all the latest features as we continue to innovate and develop our products. You gain immediate access to ONYX software upgrades, versions and releases as well as the hundreds of new and existing drivers for printers, cutters and color devices. As an added benefit, ONYX Advantage contract holders have access to an expansive library of on-demand videos covering product training and application support.

Security

- Comes from knowing you will always have the most current technology from ONYX.
- With minimal cost, access Adobe Power throughout
- Always have access to the latest developments

Peace of Mind

- Knowing you have access to new printer drivers*, new product features or functionality, and product training which are all included in the contract price.
- Avoid surprise costs and secure your investment

Value

- An amazing value when compared to acquiring features and services separately.
- Access to ONYX software upgrades, versions and releases
- Availability to new and existing printer drivers*
- Access to ONYX on-demand videos covering product training and application support

*ONYX Advantage for RIPCenter is limited to RIPCenter family of available printers.

for **ONYX Thrive**

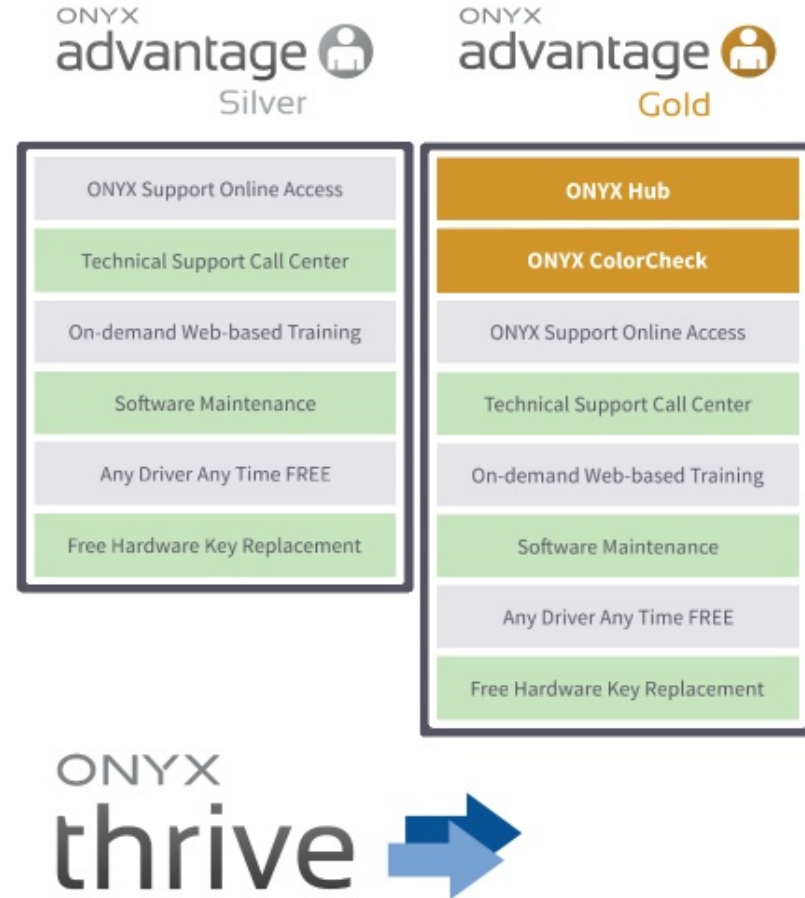for **ONYX RIPs**

Compare Versions

ONYX Advantage for ONYX Thrive

For ONYX Thrive customers, ONYX Advantage Gold just got better! With the new release, ONYX 19 includes ColorCheck as part of the ONYX Advantage Gold service agreement. This makes it easy for customers to get all the value of data and process control that can take their business to new heights.

ONYX Advantage customers will have access, for the duration of their agreement, to run ONYX Hub and ColorCheck.

All ONYX Advantage products are available in 1, 3 and 5 year terms.

ONYX Hub and ONYX ColorCheck will be de-activated when the term of the ONYX Advantage agreement ends.

ONYX advantage Silver

- ONYX Support Online Access
- Technical Support Call Center
- On-demand Web-based Training
- Software Maintenance
- Any Driver Any Time FREE
- Free Hardware Key Replacement

ONYX advantage Gold

- **ONYX Hub**
- **ONYX ColorCheck**
- ONYX Support Online Access
- Technical Support Call Center
- On-demand Web-based Training
- Software Maintenance
- Any Driver Any Time FREE
- Free Hardware Key Replacement

ONYX thrive

ONYX advantage

ONYX Support Online Access
Technical Support Call Center
On-demand Web-based Training
Software Maintenance
Any Driver Any Time FREE
Free Hardware Key Replacement

ONYX postershop   ONYX ripcenter

ONYX productionhouse

For the entire duration of their ONYX Advantage agreement, customers receive all of the benefits to help their business succeed.

All ONYX Advantage products are available in 1, 3 and 5 year terms.

Compare Versions

Update today with an ONYX Advantage subscription and save up to 25% on the cost of product updates over three years.

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

Feature	ONYX 11	ONYX 12	ONYX 18	ONYX 19
Color Swatch Books	✓	✓	✓	✓
Integrated job ticketing	✓	✓	✓	✓
ChromaBoost*	✓	✓	✓	✓
Specialty and spot color ink restriction	✓	✓	✓	✓
Multi-roll functionality with job scaling and rotation		✓	✓	✓
Page size and media handling		✓	✓	✓
Full 64-bit platform for entire portfolio of products		✓	✓	✓
Redesigned Spot Layer Tool for specialty inks		✓	✓	✓
New ONYX Color with optimized presets			✓	✓
ColorCheck: Named Colors*			✓	✓
ColorCheck: Baselines and Process Control*			✓	✓
ColorCheck: G7 and Fogra standards*			✓	✓
AccuBoost Iterative ICC profiling for accuracy			✓	✓
PosterColor 2.0 smart saturation rendering intent			✓	✓
The latest Adobe PDF Print Engine APPE 5.1			✓	✓
iccMAX v5 compatibility				✓
iccMAX v5 profiling				✓
DeviceLink+ for color consistency				✓
DeviceLink+ for automation presets				✓
DeviceLink+ for simulation and proofing				✓
Spark Engine advanced compression algorithms				✓
Spark Engine threading pipeline				✓
Spark Engine rendering technology				✓
Step and Repeat automation and downsampling				✓
Enhanced, Line and Screen Stochastic dot patterns				✓
Nest trim box for weeding cut jobs				✓
Printer isolation technology				✓

* available with ONYX Advantage Gold subscription

Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

The Spark Engine™ ▶

DeviceLink+™ ▶

Additional Features in ONYX 19 ▶

ONYX
advantage 👤 🖥 For Resellers | **Why Upgrade** ▶

Updated May 7, 2019

ONYX 19 Reseller Information

What's new for ONYX 19 customers?

- Introducing the Spark Engine for unrivaled increases in speed, performance and reliability
  - RIP speed increases up to 400%
  - Print performance increases up to 200%
  - Step and Repeat jobs performance increases up to 600%
- Introducing DeviceLink+ for color management controls
  - Automatic DeviceLink profile creation
  - Color Management presets for UCR, GCR, GCR+, ChromaBoost and more
  - Enable DeviceLink+ once and ONYX will track and remember profiles for future use on any media or mode
  - Simulate and proof output across devices
  - Add DeviceLink presets to QuickSets for automation
- The latest Adobe PDF Print Engine 5.1
- iccMAX v5 profile building
- 3 new dot patterns for all wide-format print applications including soft-signage and textile
- Step and Repeat automation using QuickSets
- Step and Repeat downsampling options
- New Nest Trim Box for weeding jobs

Release Plans and Important Dates

How do customers get the new release?

Active ONYX Advantage Holders
- An upgrade to ONYX 19 is included in ONYX Advantage during the contract period
- Customers with an ONYX Advantage Gold will have ColorCheck permission added for the remainder of their contract.
- License updates can be requested by contacting sales@onyxgfx.com

Customers without ONYX Advantage
- ONYX software users not currently covered by an active ONYX Advantage software maintenance agreement may enroll by contacting their local ONYX Authorized Reseller

Customers who recently purchased (grace period)
- If purchased on or after **April 1st, 2019**, customers can request an ONYX 19 update at no charge
- License updates can be requested by contacting sales@onyxgfx.com
- *Updates must be requested prior to **August 31st, 2019***

When will new keys or updated keys start shipping with ONYX 19 permissions already enabled?
- Because of some of the product configuration changes, for this release, this change will happen the day the product becomes available. Customers will need to request the update as described above.

How do I get my dealer key updated with ONYX 19 permissions?
- Dealer keys can be updated automatically using the Reseller Demo Key Update Portal. You can find it by logging in with your MyOnyx account on onyxgfx.com and selecting "Useful Links" from the Partner Portal menu. You can also visit it directly at: **https://www.onyxgfx.com/pportal/useful-links/onyx-reseller-demo-key-update-portal/**

When will the product be available?
- The product is currently in Beta testing and is expected to be available at the end of **June 2019**

ONYX
advantage

What marketing activities are currently happening?

Print Collateral

Teaser Emails & Promotions

Teaser Web pages

Web banners & Ads

Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

- The Spark Engine™ ▶
- DeviceLink+™ ▶
- Additional Features in ONYX 19 ▶

ONYX advantage 👤   🖥 For Resellers   Why Upgrade ▶

Updated May 7, 2019

Technology isn't slowing down! Neither should you!

Don't fall behind the competition!

Onyx Graphics has had **4 major releases in just 5 years**, bringing **industry defining technologies** including **Adobe PDF Print Engine 5.1** (APPE) and **ColorCheck** to literally prove superior output.

ONYX 19 introduces the **Spark Engine** and **DeviceLink+** for massive increases in **speed, performance and reliability** found only in ONYX. Coupled with **APPE 5.1, New Dot Pattern Technology** and **iccMAX v.5** profiling, **ONYX 19** is the only solution for **all wide-format print applications** include **soft-signage** and **textile.**

Spark Engine

DeviceLink+

The future of color standards

Step & Repeat

Compare versions

The Spark Engine elevates your entire print environment

Increase your print capacity without the costs!

Using the Spark Engine you can:

- Print more jobs per day with RIP speed increases up to 400%
- Improve capacity using existing printers with printer performance increases up to 200%
- Take Step and Repeat jobs to the next level with performance increases up to 600%

Never miss a deadline with new printer isolation technology to keep print production running if the worst happens and a printer fails
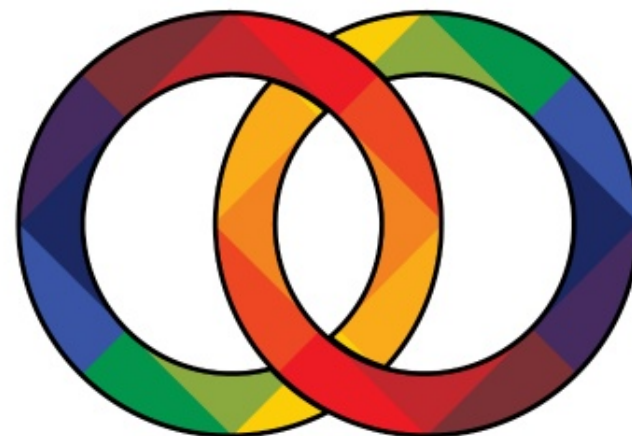
DeviceLink+ adds automation to color management

Take the sting out of color management across devices

With DeviceLink+ you can:

- Achieve perfection in color without extensive training costs
- Maintain greater color saturation between CMYK / RGB and LAB color conversions
- Enjoy consistent color across devices at a fraction of the time using traditional color management methods
- Make site wide color management changes such as ink savings without the need to build new ICC profiles, re-read in swatches or use a color measurement device
- Simulate and proof color output across devices at the click of a button

Using DeviceLink+ to create DeviceLink profiles is completely automatic. There is no need to re-read in swatches or use a color measurement device, simply enable DeviceLink profiles and ONYX does the rest

iccMAX - the future of color standards

iccMAX v5 profiling is here!

Onyx Graphics is the first and only solution with iccMAX v5 profiling, the newest standard recommended by the ICC for all wide-format print applications including soft-signage and textile.

What can you do with iccMAX v5 profiling today?

- Achieve greater accuracy in meeting customer brand color needs
- Control gamut mapping without needing to build new ICC profiles
- Enjoy greater control over ink usage to reduce waste
- Achieve better output of grayscale images

What this means for your print shop

- You are ahead of the technology curve for when design files are only made with iccMAX
- You are ready to meet the evolving customer needs who require iccMAX output standards
- You can differentiate yourself from the competition with the very best output quality

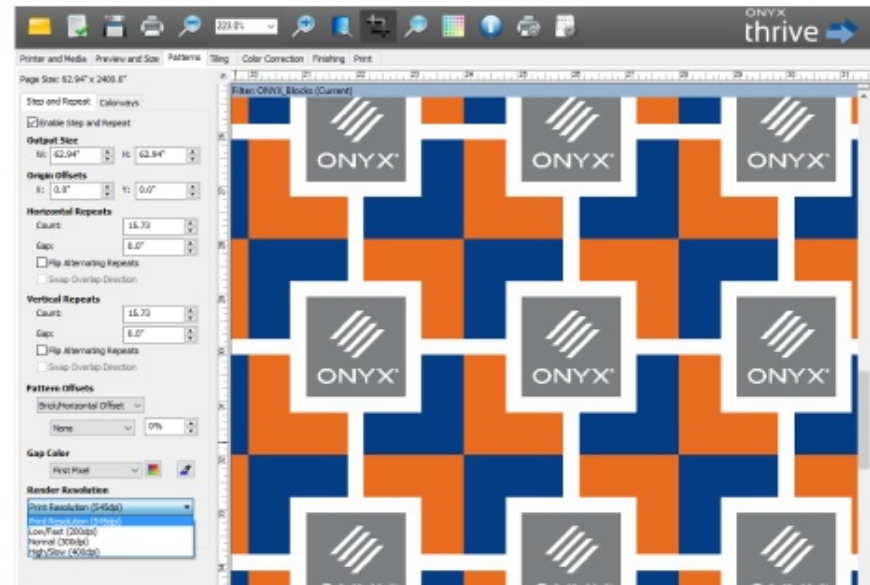# 600% performance increase with Step and Repeat

Thinking about textile?

ONYX 19 is the only solution with **new rendering technology** to provide up to a **600% increase in performance** of Step and Repeat jobs.

Add automation using QuickSets as well as **apply downsampling** to meet any print application at a fraction of the time using other solutions.

ONYX 19 **automatically fills media width and height** as well as **optimize nests** to maximize media and **reduce waste**.

Choose to group jobs by tile, job or both for even **greater visibility** into output before printing.

ONYX
textile

Compare Versions

Update today with an ONYX Advantage subscription and save up to 25% on the cost of product updates over three years.

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

Feature	ONYX 11	ONYX 12	ONYX 18	ONYX 19
Color Swatch Books	✓	✓	✓	✓
Integrated Job ticketing	✓	✓	✓	✓
ChromaBoost*	✓	✓	✓	✓
Specialty and spot color ink restriction	✓	✓	✓	✓
Multi-roll functionality with job scaling and rotation		✓	✓	✓
Page size and media handling		✓	✓	✓
Full 64-bit platform for entire portfolio of products		✓	✓	✓
Redesigned Spot Layer Tool for specialty inks		✓	✓	✓
New ONYX Color with optimized presets			✓	✓
ColorCheck- Named Colors*			✓	✓
ColorCheck- Baselines and Process Control*			✓	✓
ColorCheck- G7 and Fogra standards*			✓	✓
AccuBoost Iterative ICC profiling for accuracy			✓	✓
PosterColor 2.0 smart saturation rendering intent			✓	✓
The latest Adobe PDF Print Engine APPE 5.1			✓	✓
iccMAX v5 compatibility			✓	✓
iccMAX v5 profiling				✓
DeviceLink+ for color consistency				✓
DeviceLink+ for automation presets				✓
DeviceLink+ for simulation and proofing				✓
Spark Engine advanced compression algorithms				✓
Spark Engine threading pipeline				✓
Spark Engine rendering technology				✓
Step and Repeat automation and downsampling				✓
Enhanced, Line and Screen Stochastic dot patterns				✓
Next trim box for weeding cut jobs				✓
Printer isolation technology				✓

* available with ONYX Advantage Gold subscription

Introducing the Spark Engine™ and DeviceLink+™

Go bigger, bolder and beyond the limitations of wide-format with the **only solution** to reach new heights for **all print applications** including **soft-signage** and **textile**.

The Spark Engine™
A new performance platform built to produce unrivaled speed, performance and reliability found only in ONYX.

DeviceLink+™
DeviceLink+ transforms the color management experience with an all-new system to achieve consistent color across an entire site.

- The Spark Engine™ ▶
- DeviceLink+™ ▶
- Additional Features in ONYX 19 ▶

ONYX advantage   🖥 For Resellers   **Why Upgrade** ▶

Updated May 7, 2019