

Ergosoft RIP 2025 Winter Release:

Faster jobs,
Lower costs,
Reliable quality.

The Ergosoft RIP 2025 Winter Release helps your print business deliver more in less time - with smarter automation, reduced waste, and consistent results that keep customers coming back.

Benefits at a Glance

Cut manual work in separations

Produce precise separations automatically - including special inks like white or clear - through an intuitive, redesigned interface that supports CTP, CTF, and hybrid workflows.

Reduce downtime, improve efficiency

Smart media matching, remote diagnostics, and ready-to-use automation samples keep your workflows connected and reliable.

Deliver consistent, vibrant color

Integrated gradation curves, auto vibrancy, and advanced ICC controls ensure repeatable, high-quality results across every job.

Work faster every day

Save valuable time with custom nesting presets, barcode automation, and proactive disk monitoring that prevent costly interruptions.

With these improvements, Ergosoft RIP 2025 helps print shops stay competitive by increasing efficiency, minimizing waste, and delivering top-quality prints. The update is free for all users with an active maintenance program.

Invest in smarter printing - optimize your workflow with Ergosoft RIP 2025.

Separation Suite for Hybrid and Conventional Printing

Introduction

Discover new possibilities in your print production with the enhanced Separation Suite from Ergosoft.

Engineered to empower Computer-to-Plate (CTP), Computer-to-Film (CTF), and hybrid workflows, it supports screen, offset, flexo, pad, and gravure printing. Whether you're working with large-format inkjet or traditional printing methods, the Ergosoft RIP provides a powerful solution for streamlining color separation, automatically transforming any image or job into precise, print-ready separations.

Flexible Output Options:

Select the method that best suits your workflow.

- **Direct Film Printing:** Configure separations directly in JobComposer using the Separation Job toolset. Your image is automatically split into color channels upon import.
- **File Interfaces:** Output separated TIFF or BMP files for engraving machinery using a Print Environment that matches your file format requirements.

Hybrid Workflow Ready:

Effortlessly integrate digital and analog processes. Utilize Ergosoft's advanced layout, composition, and job management tools to prepare your files for traditional printing, ensuring quality and control.

Precision Control:

Customize every detail of your separations with Ergosoft's high-fidelity AM (amplitude modulation) screening, from process or spot color channels to screen frequency, shape, and angle.

Process Profile Integration:

Use industry color production standards or import custom process profiles, either created with ColorGPS or any ICC profiling solution, to guide your separations.

Separation Printing: Key Innovations

Extra Channel Integration for Support of Special Inks:

The Extra Channel feature is now fully integrated into the Separation Job tool, allowing for the automatic generation of high-quality separations for special ink layers, such as white, pretreatment, or clear coatings, for hybrid and traditional printing, with no manual artwork preparation required. Further supported by:

Smarter Extra Channel Handling for PSD and TIFF: Custom channel names are now recognized, streamlining workflows for special ink layers.

Substrate-Aware Color Conversion with Background Color Removal:

The Background Color Removal (BCR) feature, pioneering in its category, is now fully compatible with Separation Jobs. It intelligently adapts separations to the substrate color and can automatically generate a matching white layer if needed. By integrating the substrate color directly into the CMM's color processing – rather than simply knocking it out – BCR reduces ink usage, boosts color vibrancy, and enhances tactile print quality.

Separation Suite for Hybrid and Conventional Printing

Revamped User Interface for Separation Job

This UI has undergone a comprehensive redesign, introducing:

- Dynamic grid controls enhance data interaction.
- Advanced curve editing tools for greater precision and usability.
- Resizable dialogs for improved layout adaptability.

These enhancements make the interface significantly more intuitive, flexible, and powerful.

Flexible Density Management:

Export density linearization data in a new text-based format compatible with external systems and Ergosoft's Dot Gain import. This enables smoother calibration and better integration with third-party tools.

Dot Gain Curve Import:

Easily import density correction curves to generate Dot Gain Curves, with flexible downsampling options for fine-tuning and precision control.

Advanced Screening Control:

Autotype screening (AM) now dynamically adjusts dot size selection based on Print Environment settings, giving users more control over ink usage and print quality.



Ergosoft RIP 2025 Winter Release:

Automation, Smarter Integration and API Enhancements

Introduction

Ergosoft's newest updates to its Delta Automation Suite make it easier than ever to connect, control, and scale your automated print production workflows.

Whether you're integrating with third-party systems or optimizing job submission processes, these enhancements deliver robust connectivity, intelligent diagnostics, and seamless operations:

Trickle REST API Smart Media Matching:

New API endpoints enable the retrieval of all compatible media types for a Print Environment. Specify the desired media type in your DeltaXML job or DripTask, and let the PrintQueue verify compatibility between the print job and the printer's loaded media – ensuring accurate matching and fewer setup errors.

Advanced Communication Diagnostics

New REST API endpoints, such as test and reset-communications, help diagnose and restore connections between the RIP, Communication Utility, and the API interfaces remotely - minimizing downtime, onsite troubleshooting, and boosting reliability.

Named Color Synchronization

A new endpoint retrieves all Named Colors, including Lab references and print formulas within a Print Environment - essential for maintaining brand color consistency across distributed production sites.

AutoStart for REST Services

When a valid Delta API license is detected during installation, the Trickle REST Service now automatically starts with the Ergosoft RIP, enabling seamless integration from the outset.

Automation Samples Installer

A new installer provides ready-to-submit samples for:

DeltaXML automation jobs, **DripTask** (pre-ripped job format) variants, including syntax explanations, **CSV/ESOR job orders**, and **Position Templates** (Sophisticated examples that show the capabilities of shared slot IDs, static and background images, and image Add-ons).

Perfect for onboarding, testing, and accelerating automation workflows.

Device Connector Product Line

Built on the trusted Ergosoft RIP platform, is a specialized automation solution designed to simplify production workflows and enable seamless "Blackbox" RIP environments. With streamlined default settings and workspace configurations, it's engineered for high-efficiency automation.

Trickle REST API and HotFolder support for flexible integration.

Optional Delta-XML compatibility for advanced data handling, Access to 2000+ printer drivers for unmatched device coverage, Ideal for large-scale manufacturers and enterprises seeking a robust, invisible RIP engine to power automated production.



Ergosoft RIP 2025 Winter Release:

Color, Color Management and Color Tools

Smarter Color and Print Quality for Every Workflow

Ergosoft's latest updates bring powerful color optimization tools to all users - whether you're fine-tuning print output, enhancing image vibrancy, or streamlining production.

Effortless Color Enhancement with Job Gradation Curves

The **Job Gradation Curve** feature is now integrated into Print Environments and fully supported by HotFolders. This integration streamlines your workflow, whether your production is automated or manual.

We've also made it easier to access the powerful Auto Vibrancy feature, which intelligently enhances tonal ranges based on the active printer profile. This maximizes contrast across all images and formats in a job, especially with multi-color profiles. It allows you to optimize image colors to your printer's color gamut faster and more effectively than ever before.

Ergosoft RIP installations now include a new set of default Job Gradation Curves, tailored to suit all types of color setups. Choose from professionally designed presets such as:

- Various levels of Contrast Boost
- Brightening
- Linear Adjustments

These presets offer functionality similar to Adobe Photoshop but are specifically optimized for print output - delivering consistent, high-quality results with minimal effort.

Rendering Intent Meets Print Environment

Some might claim that rendering intents are outdated or overly complex. But the truth is simple: rendering intents empower you with choice.

Let's take a moment to explore why.

Ergosoft's ColorGPS, our advanced n-color ICC profiling solution, puts that choice front and center. By default, ColorGPS generates visibly distinct rendering intents, giving you immediate flexibility. And for those who want even more control, advanced settings let you create custom hybrids tailored to your specific application needs.

Rendering intents matter - especially when converting from wide-gamut spaces, such as Adobe RGB, to smaller printer gamuts used in textiles with thinner fabrics or high-pressure laminates (HPL). They control how out-of-gamut colors are mapped, directly impacting visual output and color accuracy.

Because the destination gamut often guides the best strategy, Ergosoft now lets you predefine your preferred rendering intent within the Print Environment. Once set, all imported images - regardless of format - will automatically apply it.

Your workflow. Your choice.

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Color, Color Management and Color Tools

Improved Curve Editing Experience

The Gradation Curve dialog – used in Extra Channels, Background Color Removal, and Separation Jobs - has been enhanced for better usability. It's now resizable, supports numeric handle positioning and resets, and features improved curve visibility.

Manage Colors: Smarter Color Measurement and Swatch Management

Introducing a smarter way to manage color – from precise measurement to seamless swatch handling - designed to elevate accuracy, efficiency, and visual clarity across your workflow.

Enhanced Measurement Management Wizard

Smarter Measurement Averaging

The improved Color Measuring Wizard now averages multiple readings to detect outliers, ensuring more stable and accurate color data.

Smart Cleanup & Reset Options

Quickly remove outlier readings with the new intelligent detection algorithm, which ensures at least two valid measurements always remain - enhancing stability and minimizing manual errors.



The new Reset All function restores all color measurements to their original state prior to any edits or deletions, offering a reliable fallback for quality control.

Improved Visualization

A new ColorPicker lets users define highlight colors for deviations. The default warning color has been changed from green to red for clearer interpretation.

High-DPI measurement preview patches now scale with screen resolution, improving clarity and usability on modern displays.

Related Enhancements – Valuable Mentions

Flexible SwatchBook Imports & Merging

Import colors from any supported format and merge them into existing SwatchBooks without overwriting. Conflicting names are automatically resolved with generic naming.

Advanced CxF Import Options

Gain full control when importing color data via CxF: select specific measurements or let the system intelligently average multiple readings. This ensures consistent, high-quality digital references from printed samples – ideal for establishing your company's spectral ColorBook standard as SwatchBook.

Streamlined Spot Color Replacement

Similar to PDF and EPS, PSD and TIFF files now display actual custom channel names. A new Assign Colors button reads predefined Photoshop tags and applies them automatically, while Remove All resets assignments with one click.

Ergosoft RIP 2025 Winter Release:

Color, Color Management and Color Tools

Precision Tools for Color Perfectionists

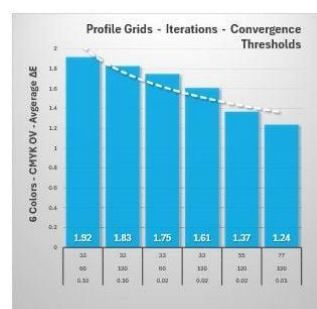
Ergosoft's advanced color management toolset just got smarter. These updates empower color professionals with greater control, deeper insights, and enhanced accuracy - perfect for those who demand nothing less than perfection.

ICC Profile Generation with ColorGPS: Custom ICC Profile Iteration Parameters

Gain full control over ICC profile generation with adjustable:

- Profile grid precision
- Convergence thresholds
- Iteration limits
- Step sizes

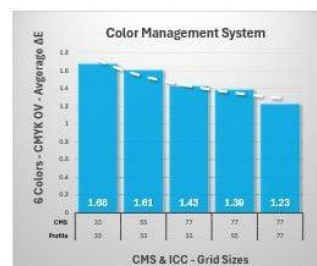
Achieve up to 20% lower ΔE compared to default profiles for ultra-precise color matching.



Color Management System: Precision ICC Grid Control

Achieve razor-sharp color accuracy with adjustable ICC grid precision - choose from 33, 55, or 77 grid points to fine-tune CMS calculations.

This enhancement improves color transformation accuracy by up to 0.7 ΔE , delivering superior results for image color conversion and spot color replacements.



Gray Axis Inspector: Visualize Neutral Tone Composition

The new Gray Axis Inspector tool provides clear insight into how CMYK channels are used along the neutral gray axis, based on selected ICC profiles and rendering intents. It visualizes GCR (Gray Component Replacement) curves, helping users understand and optimize gray balance and color composition in print workflows.

ColorGPS Profile Editor: Nonlinear Luminance Scaling

Enhance shadow detail and reduce metamerism with the new NonLinear Scaling option for colorimetric rendering intents. By selectively stretching the L-axis in dark tones, this feature preserves visual detail while maintaining smooth primary curves and minimizing metamerism.

Use the Gray Axis Inspector to define an optimal luminance starting point for shadow tones. From there, NonLinear Scaling intelligently stretches the L-axis toward black ($L=0$), preserving shadow detail while maintaining color stability.



Ergosoft RIP 2025 Winter Release:

Production & Work Efficiency: Smarter Tools, Streamlined Workflows

Expanded Barcode Automation

The barcode library for Generated Job Elements and Image Add-Ons now includes Data Matrix and Data Matrix Automatic – supporting dynamic sizing or fixed dimensions, with content generated from keywords or filenames.

HotFolder workflows have also been enhanced to support precise image filename handling, enabling seamless automated barcode creation.

Enhanced User Experience

Quick Zoom Shortcut

Speed up layout adjustments in JobComposer with the new Ctrl + Mouse Wheel shortcut for fast zooming.

Drag-and-Drop Job Recovery

Reopen print jobs instantly in JobComposer or QueueManager by dragging them from the queue pane - ideal for quick edits, reprints, or creating job variants.

Smarter Nesting Through Custom Presets

Create custom rectangular nesting presets directly from the dropdown menu. Define optimization modes, rotation rules, and margins to match your production needs.

SystemGuard: Proactive Disk Space Monitoring

The DiskSpace Observer now performs an automatic disk check every time the software starts, in addition to regular interval and event-based monitoring.

All low disk space warnings remain visible in the Windows Notification Area until manually cleared - ensuring critical alerts are never missed and helping prevent unexpected print interruptions or system instability.

Ergosoft RIP 2025 Winter Release:

Happy Printing!



Access Ergosoft 2025 at No Extra Cost: If you have an active maintenance program, the Ergosoft RIP 2025 Winter release is available to you at no extra cost.

To purchase Ergosoft RIP or update to the Ergosoft 2025 release, [contact us now](#).

Happy Printing,
Team Ergosoft



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About Ergosoft
Proven in the Field.
Scalable by Design.
Ready for Production.

Ergosoft delivers professional RIP software that adapts to your setup - no matter the brand, print process, or level of automation.