Ergosoft 16

New Features & Highlights

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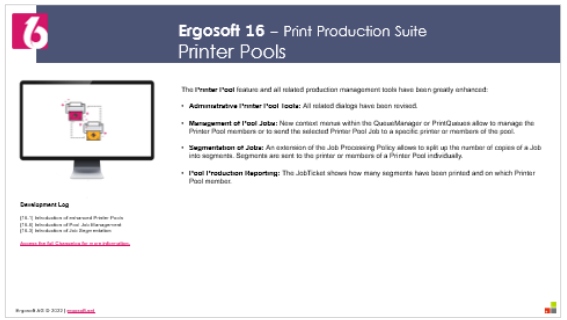
Workflow & Production

Workflow & Production

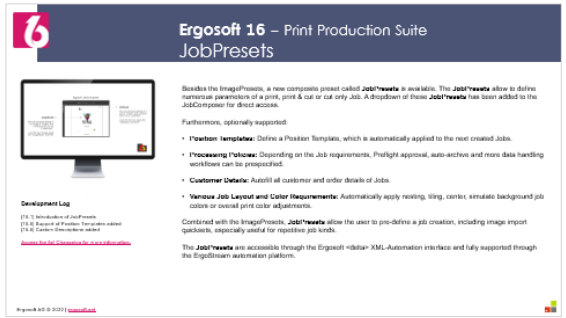
QueueManager

Queues

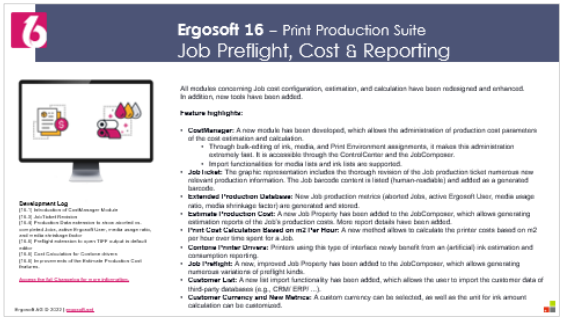
Printer Pools



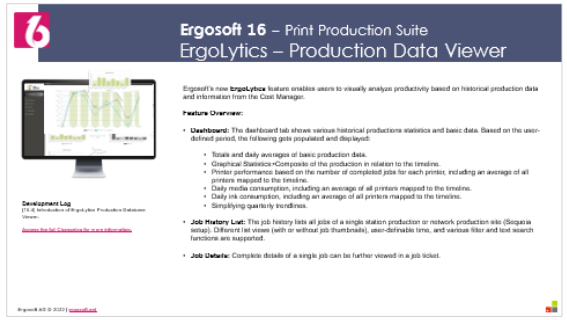
JobPresets



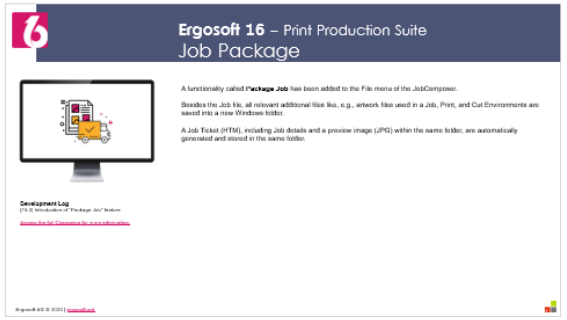
Preflight, Cost & Reporting



ErgoLytics

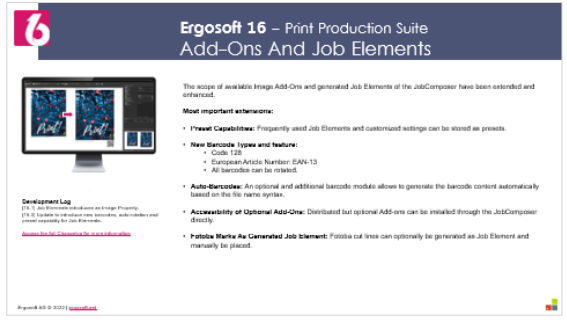


Job Package

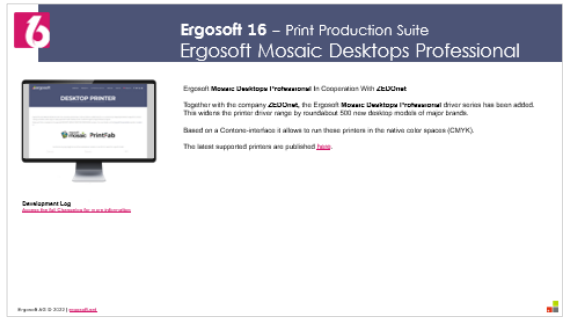


Print & Cut Workflows

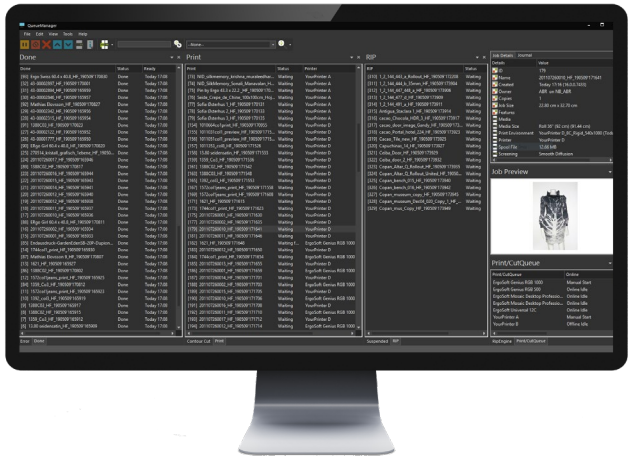
Add-Ons & Job Elements



Mosaic Desktop Printers



Ergosoft 16 – Print Production Suite
QueueManager



Development Log

[16.1] Introduction of QueueManager.
[16.3] Introduction of job counter to display number of jobs in every segment.

Access the full Changelog for more information.

The newly designed **QueueManager** has replaced the JobCenter.

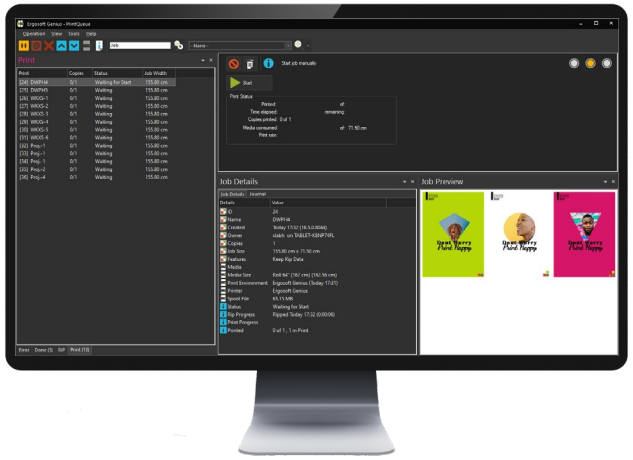
It now uses windowpanes over tiles/splitters, providing a better production overview and Job management.

Feature highlights:

- **Workspaces:** This allows the user to define and store custom layouts of windowpanes.
- **Job Counter:** Each queue tab shows a counter of its number of registered Jobs.
- **Custom Filters:** Use the advanced filter options to generate prioritizing views - by:
  - Printer or cutter
  - Media
  - Print/CutQueue station
  - Time range
  - Text string

The **QueueManager** becomes especially powerful when multiple printers and cutters are connected to one system or a network Sequoia setup is used. Besides production overview, the QueueManager can optionally replace Print and CutQueues entirely.

Ergosoft 16 – Print Production Suite
Queues



The formerly known Print and CutClients have been redesigned entirely to **PrintQueues and CutQueues**.

Also, **Queues** now use windowpanes over tiles/window splitters, which provides a better production overview and Job management.

Feature highlights:

- **Workspaces:** Allows the user to define and store custom layouts of windowpanes.
- **Job Counter:** Each queue tab shows a counter of its number of registered Jobs.
- **Custom Filters:** Use the advanced filter options to generate prioritizing views.
- **Quick Search:** Swiftly find Jobs in the Queue by keywords.

Development Log

[16.1] Introduction of re-designed Queues
[16.6] Custom queries to filter jobs
[16.6] Introduction of job counter to display number of jobs in every segment.

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
Printer Pools

The **Printer Pool** feature and all related production management tools have been greatly enhanced:

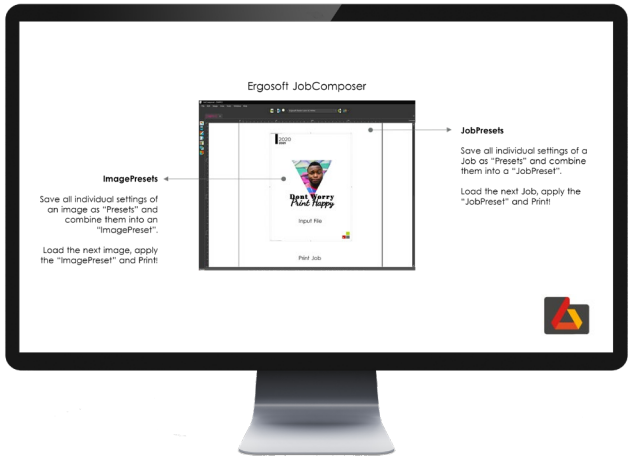
- **Administrative Printer Pool Tools:** All related dialogs have been revised.
- **Management of Pool Jobs:** New context menus within the QueueManager or PrintQueues allow to manage the Printer Pool members or to send the selected Printer Pool Job to a specific printer or members of the pool.
- **Segmentation of Jobs:** An extension of the Job Processing Policy allows to split up the number of copies of a Job into segments. Segments are sent to the printer or members of a Printer Pool individually.
- **Pool Production Reporting:** The JobTicket shows how many segments have been printed and on which Printer Pool member.

Development Log

[16.1] Introduction of enhanced Printer Pools
[16.6] Introduction of Pool Job Management
[16.3] Introduction of Job Segmentation

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
JobPresets



Development Log

[16.1] Introduction of JobPresets
[16.6] Support of Position Templates added
[16.6] Custom Descriptions added

Access the full Changelog for more information.

Besides the ImagePresets, a new composite preset called **JobPresets** is available. The **JobPresets** allow to define numerous parameters of a print, print & cut or cut only Job. A dropdown of these **JobPresets** has been added to the JobComposer for direct access.

Furthermore, optionally supported:

- **Position Templates:** Define a Position Template, which is automatically applied to the next created Jobs.
- **Processing Policies:** Depending on the Job requirements, Preflight approval, auto-archive and more data handling workflows can be prespecified.
- **Customer Details:** Autofill all customer and order details of Jobs.
- **Various Job Layout and Color Requirements:** Automatically apply nesting, tiling, center, simulate background job colors or overall print color adjustments.

Combined with the ImagePresets, **JobPresets** allow the user to pre-define a job creation, including image import quicksets, especially useful for repetitive job kinds.

The **JobPresets** are accessible through the Ergosoft <delta> XML-Automation interface and fully supported through the ErgoStream automation platform.

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Ergosoft 16 – Print Production Suite
Job Preflight, Cost & Reporting

All modules concerning Job cost configuration, estimation, and calculation have been redesigned and enhanced. In addition, new tools have been added.

Feature highlights:

- **CostManager:** A new module has been developed, which allows the administration of production cost parameters of the cost estimation and calculation.
  - Through bulk-editing of ink, media, and Print Environment assignments, it makes this administration extremely fast. It is accessible through the ControlCenter and the JobComposer.
  - Import functionalities for media lists and ink lists are supported.
- **JobTicket:** The graphic representation includes the thorough revision of the Job production ticket numerous new relevant production information. The Job barcode content is listed (human-readable) and added as a generated barcode.
- **Extended Production Database:** New Job production metrics (aborted Jobs, active Ergosoft User, media usage ratio, media shrinkage factor) are generated and stored.
- **Estimate Production Cost:** A new Job Property has been added to the JobComposer, which allows generating estimation reports of the Job's production costs. More report details have been added.
- **Print Cost Calculation Based on m2 Per Hour:** A new method allows to calculate the printer costs based on m2 per hour over time spent for a Job.
- **Contone Printer Drivers:** Printers using this type of interface newly benefit from an (artificial) ink estimation and consumption reporting.
- **Job Preflight:** A new, improved Job Property has been added to the JobComposer, which allows generating numerous variations of preflight kinds.
- **Customer List:** A new list import functionality has been added, which allows the user to import the customer data of third-party databases (e.g., CRM/ ERP/ ...).
- **Customer Currency and New Metrics:** A custom currency can be selected, as well as the unit for ink amount calculation can be customized.

Development Log
[16.1] Introduction of CostManager Module
[16.3] JobTicket Revision
[16.4] Production Data extension to show aborted vs. completed Jobs, active Ergosoft User, media usage ratio, and media shrinkage factor
[16.6] Preflight extension to open TIFF output in default editor
[16.6] Cost Calculation for Contone drivers
[16.6] Improvements of the Estimate Production Cost features.

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
ErgoLytics – Production Data Viewer

Development Log
[16.4] Introduction of ErgoLytics Production Database Viewer.

Access the full Changelog for more information.

Ergosoft's new **ErgoLytics** feature enables users to visually analyze productivity based on historical production data and information from the Cost Manager.

Feature Overview:

- **Dashboard:** The dashboard tab shows various historical productions statistics and basic data. Based on the user-defined period, the following gets populated and displayed:
    - Totals and daily averages of basic production data.
    - Graphical Statistics:•Composite of the production in relation to the timeline.
    - Printer performance based on the number of completed jobs for each printer, including an average of all printers mapped to the timeline.
    - Daily media consumption, including an average of all printers mapped to the timeline.
    - Daily ink consumption, including an average of all printers mapped to the timeline.
    - Simplifying quarterly trendlines.
- **Job History List:** The job history lists all jobs of a single station production or network production site (Sequoia setup). Different list views (with or without job thumbnails), user-definable time, and various filter and text search functions are supported.
- **Job Details:** Complete details of a single job can be further viewed in a job ticket.

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Ergosoft 16 – Print Production Suite
Job Package

A functionality called **Package Job** has been added to the File menu of the JobComposer.

Besides the Job file, all relevant additional files like, e.g., artwork files used in a Job, Print, and Cut Environments are saved into a new Windows folder.

A Job Ticket (HTM), including Job details and a preview image (JPG) within the same folder, are automatically generated and stored in the same folder.

Development Log
[16.3] Introduction of “Package Job” feature

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
Print & Cut Workflows

Development Log
[16.1] Introduction of Smart Bleed Feature
[16.1] Introduction of Cut Path Live-Preview
[16.1] Introduction of Print & Cut Workspace
"Job Package" feature

Access the full Changelog for more information

- **Smart Bleed & Cut Lines:** A new Job Property has been implemented to the JobComposer, which based on the image contour allows the generation of contour bleed and contour (cut) lines.
- **White Underlay Option for marks** is supported on various, additional cutter drivers. If activated white frames are printed under the marks to improve the detection on dark, clear, or metallic substrates.
- **Print & Cut Workspace:** The layout of the dedicated default Workspace has been reworked and improved.
- **Cut Path Live-Preview:** The windowpane of this preview has been improved in quality and responsiveness.
- **Cut Path Extraction:** A new routine makes the path extractions substantially faster.
- **New Cut Paths:** New origins for the cut path extractions are available – based on:
  - PDF boxes.
  - Adobe Photoshop paths.
  - Image group boundary box.

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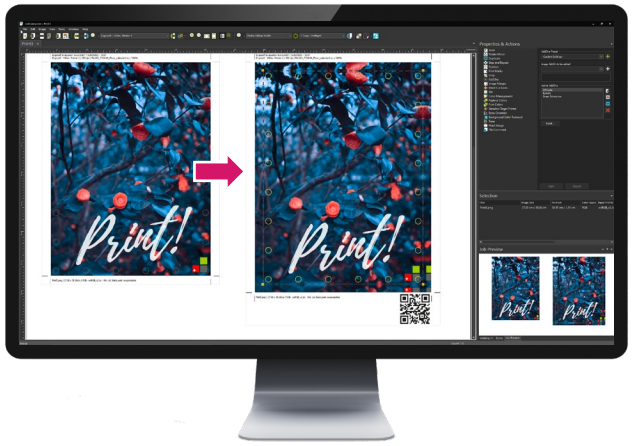
Ergosoft 16 – Print Production Suite
Add-Ons And Job Elements



Development Log
[16.1] Job Elements introduces as Image Property.
[16.3] Update to introduce new barcodes, auto-rotation and preset capability for Job Elements.

Access the full Changelog for more information

The scope of available Image Add-Ons and generated Job Elements of the JobComposer have been extended and enhanced.

Most important extensions:

- **Preset Capabilities:** Frequently used Job Elements and customized settings can be stored as presets.
- **New Barcode Types and feature:**
  - Code 128
  - European Article Number: EAN-13
  - All barcodes can be rotated.
- **Auto-Barcodes:** An optional and additional barcode module allows to generate the barcode content automatically based on the file name syntax.
- **Accessibility of Optional Add-Ons:** Distributed but optional Add-ons can be installed through the JobComposer directly.
- **Fotoba Marks As Generated Job Element:** Fotoba cut lines can optionally be generated as Job Element and manually be placed.

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Ergosoft 16 – Print Production Suite

Ergosoft Mosaic Desktops Professional

Ergosoft **Mosaic Desktops Professional** In Cooperation With **ZEDOnet**

Together with the company **ZEDOnet,** the Ergosoft **Mosaic Desktops Professional** driver series has been added. This widens the printer driver range by roundabout 500 new desktop models of major brands.

Based on a Contone-interface it allows to run these printers in the native color spaces (CMYK).

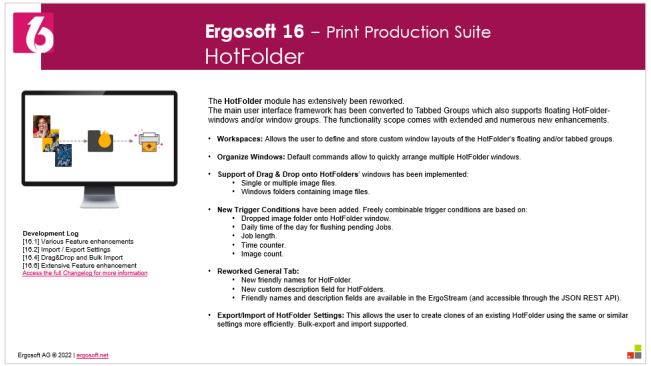
The latest supported printers are published here.

Development Log
Access the full Changelog for more information

Automation

Automation

HotFolder



Ergosoft 16 – Print Production Suite
HotFolder

The **HotFolder** module has extensively been reworked.
The main user interface framework has been converted to Tabbed Groups which also supports floating HotFolder-windows and/or window groups. The functionality scope comes with extended and numerous new enhancements.

- **Workspaces:** Allows the user to define and store custom window layouts of the HotFolder's floating and/or tabbed groups.
- **Organize Windows:** Default commands allow to quickly arrange multiple HotFolder windows.
- **Support of Drag & Drop onto HotFolders'** windows has been implemented:
  - Single or multiple image files.
  - Windows folders containing image files.
- **New Trigger Conditions** have been added. Freely combinable trigger conditions are based on:
  - Dropped image folder onto HotFolder window.
  - Daily time of the day for flushing pending Jobs.
  - Job length.
  - Time counter.
  - Image count.
- **Reworked General Tab:**
  - New friendly names for HotFolder.
  - New custom description field for HotFolders.
  - Friendly names and description fields are available in the ErgoStream (and accessible through the JSON REST API).
- **Export/Import of HotFolder Settings:** This allows the user to create clones of an existing HotFolder using the same or similar settings more efficiently. Bulk-export and import supported.

Development Log
[16.1] Various Feature enhancements
[16.2] Import / Export Settings
[16.4] Drag&Drop and Bulk Import
[16.6] Extensive Feature enhancement
Access the full Changelog for more information

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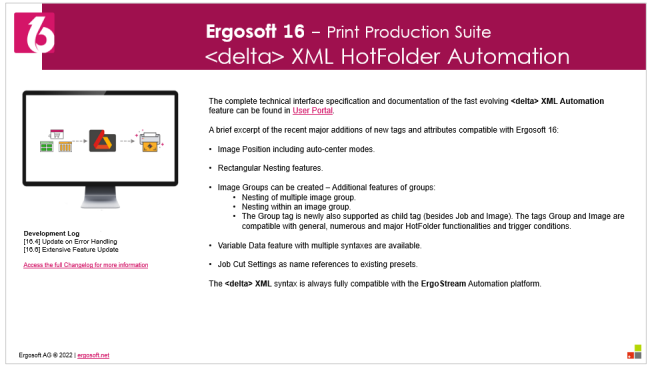
<delta> Automation



Ergosoft 16 – Print Production Suite
<delta> XML HotFolder Automation

The complete technical interface specification and documentation of the fast evolving **<delta> XML Automation** feature can be found in User Portal.

A brief excerpt of the recent major additions of new tags and attributes compatible with Ergosoft 16:

- Image Position including auto-center modes.
- Rectangular Nesting features.
- Image Groups can be created – Additional features of groups:
  - Nesting of multiple image group.
  - Nesting within an image group.
  - The Group tag is newly also supported as child tag (besides Job and Image). The tags Group and Image are compatible with general, numerous and major HotFolder functionalities and trigger conditions.
- Variable Data feature with multiple syntaxes are available.
- Job Cut Settings as name references to existing presets.

The **<delta> XML** syntax is always fully compatible with the **ErgoStream** Automation platform.

Development Log
[16.4] Update on Error Handling
[16.6] Extensive Feature Update

Access the full Changelog for more information

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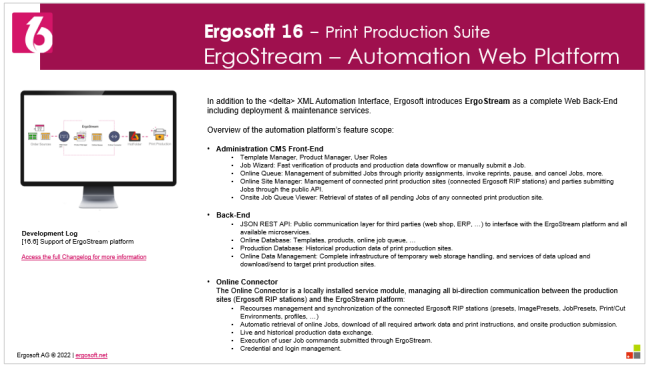
ErgoStream Platform



Ergosoft 16 – Print Production Suite
ErgoStream – Automation Web Platform

In addition to the <delta> XML Automation Interface, Ergosoft introduces **ErgoStream** as a complete Web Back-End including deployment & maintenance services.

Overview of the automation platform's feature scope:

- **Administration CMS Front-End**
  - Template Manager, Product Manager, User Roles.
  - Job Wizard: Fast verification of products and production data downflow or manually submit a Job.
  - Online Queue: Management of submitted Jobs through priority assignments, invoke reprints, pause, and cancel Jobs, more.
  - Online Site Manager: Management of connected print production sites (connected Ergosoft RIP stations) and parties submitting Jobs through the public API.
  - Onsite Job Queue Viewer: Retrieval of states of all pending Jobs of any connected print production site.
- **Back-End**
  - JSON REST API: Public communication layer for third parties (web shop, ERP, …) to interface with the ErgoStream platform and all available microservices.
  - Online Database: Templates, products, online job queue, …
  - Production Database: Historical production data of print production sites.
  - Online Data Management: Complete infrastructure of temporary web storage handling, and services of data upload and download/send to target print production sites.
- **Online Connector**
  The Online Connector is a locally installed service module, managing all bi-direction communication between the production sites (Ergosoft RIP stations) and the ErgoStream platform:
  - Recourses management and synchronization of the connected Ergosoft RIP stations (presets, ImagePresets, JobPresets, Print/Cut Environments, profiles, …)
  - Automatic retrieval of online Jobs, download of all required artwork data and print instructions, and onsite production submission.
  - Live and historical production data exchange.
  - Execution of user Job commands submitted through ErgoStream.
  - Credential and login management.

Development Log
[16.6] Support of ErgoStream platform

Access the full Changelog for more information

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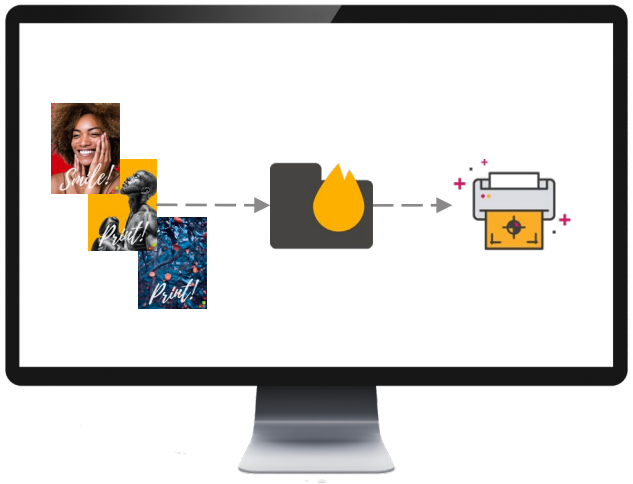
Ergosoft 16 – Print Production Suite
HotFolder



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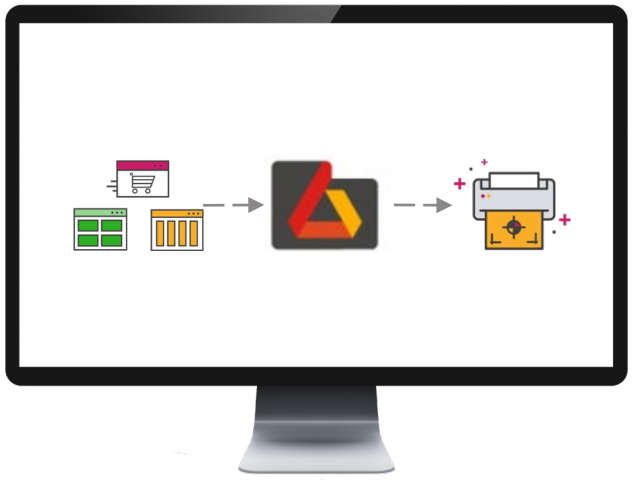
Ergosoft 16 – Print Production Suite
<delta> XML HotFolder Automation



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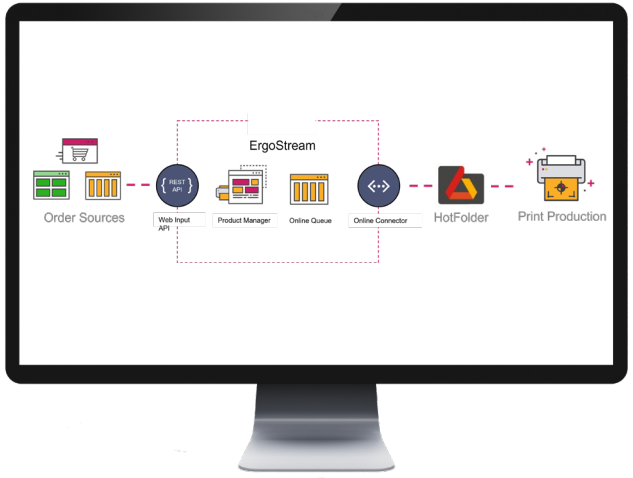
Ergosoft 16 – Print Production Suite
ErgoStream – Automation Web Platform



Development Log
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- **Back-End**
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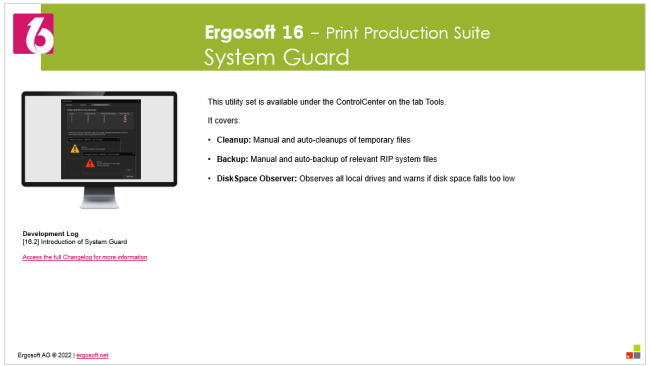
  - Live and historical production data exchange.
  - Execution of user Job commands submitted through ErgoStream.
  - Credential and login management.

General Usability & Configuration Features

General Usability & Configuration Features

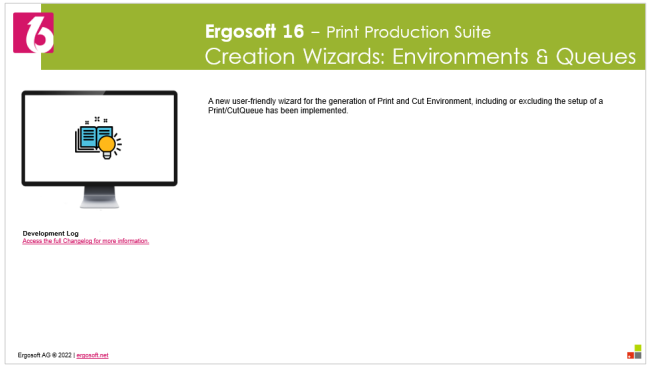
ControlCenter

System Guard

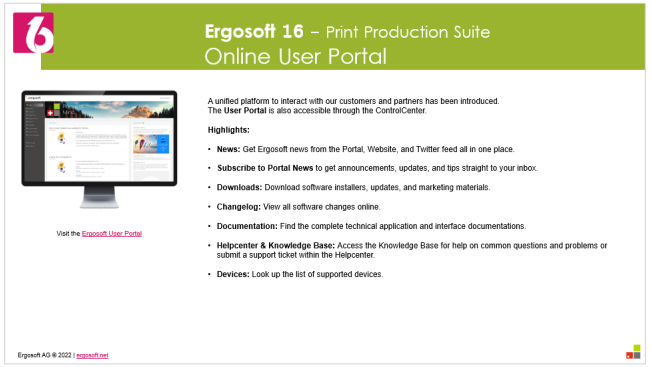


JobComposer

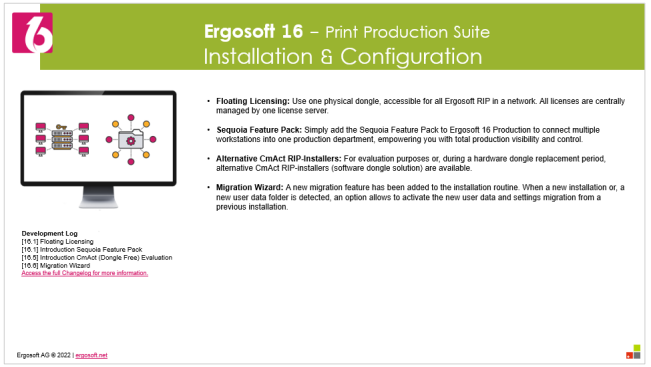
Wizards



Online User Portal



Installation & Configuration



Ergosoft 16 – Print Production Suite
ControlCenter

Development Log
Access the full Changelog for more information

The new **ControlCenter** replaces the StartUp Manager completely.

Feature highlights:

- **Home tab:** Allows the access to all main production modules of an Ergosoft RIP:
  - JobComposer
  - Print and CutQueues
  - QueueManager
  - HotFolder

- **Tools tab:** Allows direct access to all important additional tools of an Ergosoft RIP:
  - AccessRights
  - CostManager
  - ErgoLytics
  - ColorEqualizer
  - SystemGuard
  - MaintenanceTool
  - Album
  - User Portal

- **Queues tab:** Allows the setup and advanced start configuration of all Print and CutQueues.

- **RIP & Programs tab:** Allows the configuration of ...
  - RipEngines
  - Optional features
  - Start options of the ControlCenter itself

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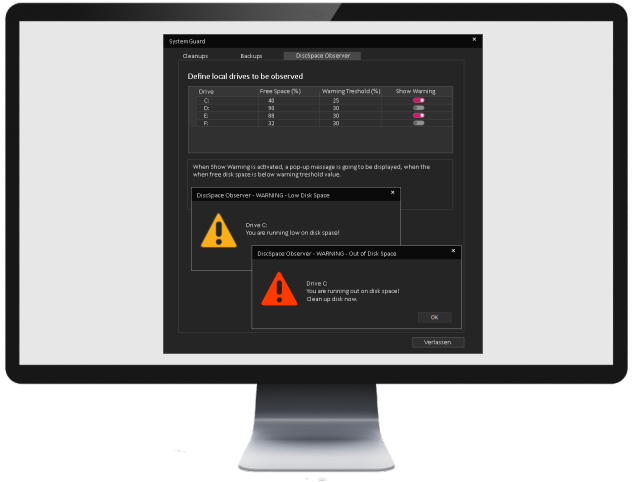
Ergosoft 16 – Print Production Suite
System Guard



This utility set is available under the ControlCenter on the tab Tools.

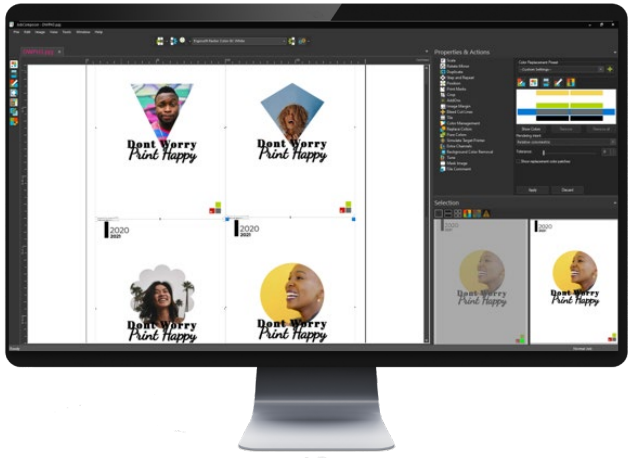
It covers:

- **Cleanup:** Manual and auto-cleanups of temporary files
- **Backup:** Manual and auto-backup of relevant RIP system files
- **DiskSpace Observer:** Observes all local drives and warns if disk space falls too low

Development Log
[16.2] Introduction of System Guard

Access the full Changelog for more information

Ergosoft 16 – Print Production Suite
JobComposer



Development Log
[16.1] Introduction of Extended Workspaces
[16.5] Introduction of Double-Side Job
[16.6] Support of ErgoMatics

Access the full Changelog for more information

The latest and complete table of supported **keyboard shortcuts** are available on our online documentation.

The powerful graphical user interface has widely been revised and extended with new features.

Highlights:

- **Extended Workspaces:**
  - Customizable Image/Job Properties & Actions window: The edit-mode allows the user to customize the list of shown or hidden image and Job functions of Workspaces.
  - Sharing such optimized Workspaces for e.g., different application type or advanced versus simplified mode, is supported through new export and import functionalities.
- **Apply Template:** Position Templates, Picture Packages and Variable Data Templates can be directly applied to the active Job through this new Job Action pane.
- **Double-Side Job:** A dedicated Job layout for double-sided layer printing applications, either double-sided view perspectives or, double-sided print, has been invented.
- **ErgoMatics (PDF API - alpha):** Through a new image context menu, custom-actions so-called ErgoMatics scripts can directly be applied to positioned images within Job.
- **Job Processing Policies:** The configuration dialogs have generally been reworked and offer additional functionalities concerning auto-archiving and deletion.
- **Browse Dialogs:** Scalable file import and file open dialogs including high quality image preview pane have been added.
- **List Views:** Various list management and complex color list dialogs have been converted into resizable windows.
- **Keyboard Shortcuts:** Numerous new keyboard shortcuts allow to expedite the Job layout preparation.
  - Copy Paste of selected images between Jobs, Move selected images within the Job, Save active Job as, Close all active Jobs. Move the viewport of the Job vertically/horizontally, New Job-area zoom keyboard shortcut.

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Ergosoft 16 – Print Production Suite

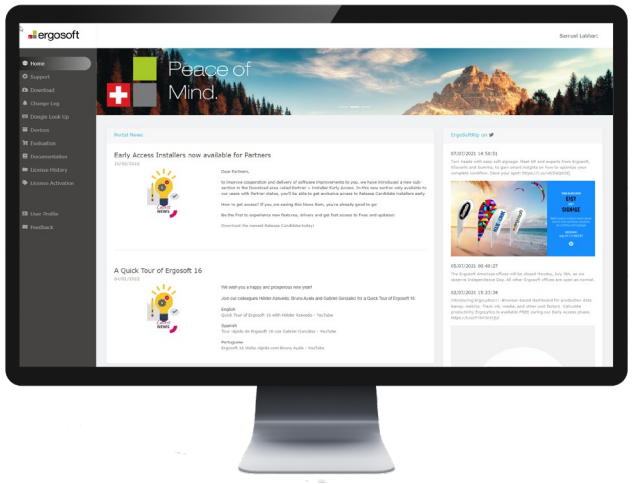
Creation Wizards: Environments & Queues

A new user-friendly wizard for the generation of Print and Cut Environment, including or excluding the setup of a Print/CutQueue has been implemented.

Development Log

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
Online User Portal



Visit the Ergosoft User Portal

A unified platform to interact with our customers and partners has been introduced.
The **User Portal** is also accessible through the ControlCenter.

Highlights:

- **News:** Get Ergosoft news from the Portal, Website, and Twitter feed all in one place.
- **Subscribe to Portal News** to get announcements, updates, and tips straight to your inbox.
- **Downloads:** Download software installers, updates, and marketing materials.
- **Changelog:** View all software changes online.
- **Documentation:** Find the complete technical application and interface documentations.
- **Helpcenter & Knowledge Base:** Access the Knowledge Base for help on common questions and problems or submit a support ticket within the Helpcenter.
- **Devices:** Look up the list of supported devices.

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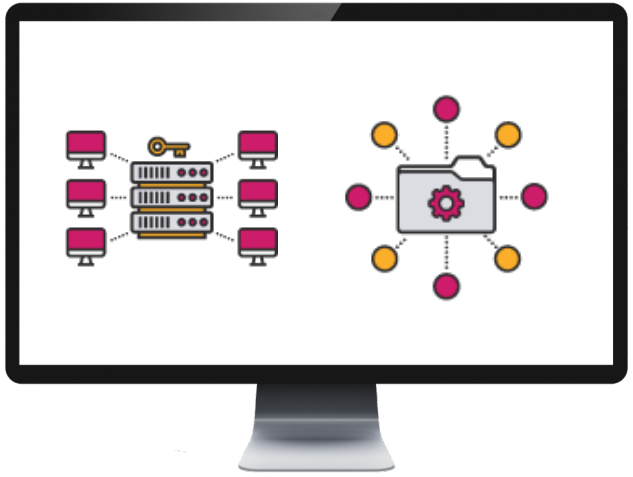
Ergosoft 16 – Print Production Suite
Installation & Configuration



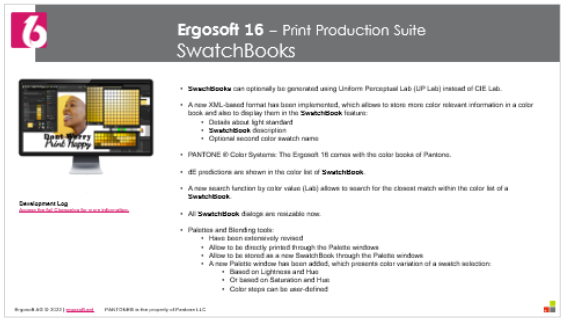
- **Floating Licensing:** Use one physical dongle, accessible for all Ergosoft RIP in a network. All licenses are centrally managed by one license server.
- **Sequoia Feature Pack:** Simply add the Sequoia Feature Pack to Ergosoft 16 Production to connect multiple workstations into one production department, empowering you with total production visibility and control.
- **Alternative CmAct RIP-Installers:** For evaluation purposes or, during a hardware dongle replacement period, alternative CmAct RIP-installers (software dongle solution) are available.
- **Migration Wizard:** A new migration feature has been added to the installation routine. When a new installation or, a new user data folder is detected, an option allows to activate the new user data and settings migration from a previous installation.

Development Log
[16.1] Floating Licensing
[16.1] Introduction Sequoia Feature Pack
[16.5] Introduction CmAct (Dongle Free) Evaluation
[16.6] Migration Wizard
Access the full Changelog for more information.

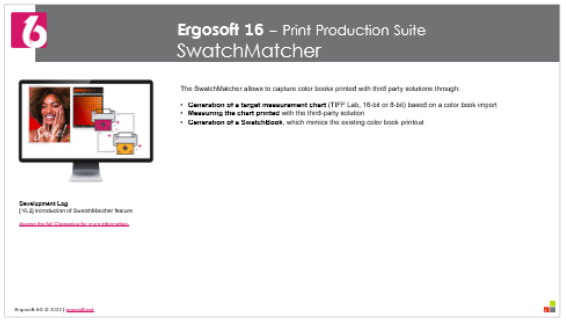
Color & Color Control

Color & Color Control

SwatchBooks



SwatchMatcher



Color Replacement

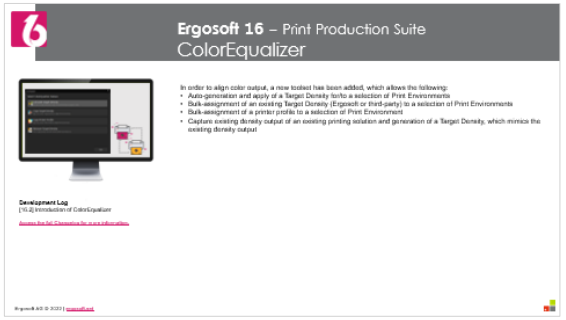
Gamut Warning

Improved Color Preview

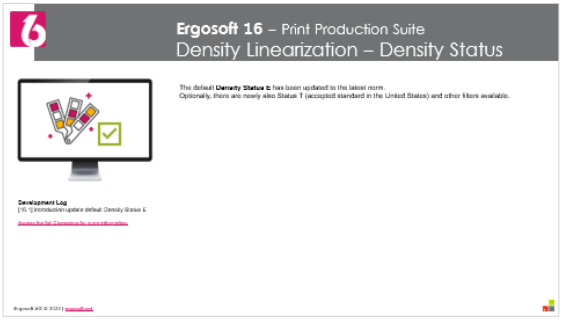
GrayTuner

Target Printer Simulation

ColorEqualizer



Density Status



Ergosoft 16 – Print Production Suite
SwatchBooks

Development Log
Access the full Changelog for more information.

- **SwachBooks** can optionally be generated using Uniform Perceptual Lab (UP Lab) instead of CIE Lab.
- A new XML-based format has been implemented, which allows to store more color relevant information in a color book and also to display them in the **SwatchBook** feature:
  - Details about light standard
  - **SwatchBook** description
  - Optional second color swatch name
- PANTONE ® Color Systems: The Ergosoft 16 comes with the color books of Pantone.
- dE predictions are shown in the color list of **SwatchBook**.
- A new search function by color value (Lab) allows to search for the closest match within the color list of a **SwatchBook**.
- All **SwatchBook** dialogs are resizable now.
- Palettes and Blending tools:
  - Have been extensively revised
  - Allow to be directly printed through the Palette windows
  - Allow to be stored as a new SwatchBook through the Palette windows
  - A new Palette window has been added, which presents color variation of a swatch selection:
    - Based on Lightness and Hue
    - Or based on Saturation and Hue
    - Color steps can be user-defined

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Ergosoft 16 – Print Production Suite
SwatchMatcher

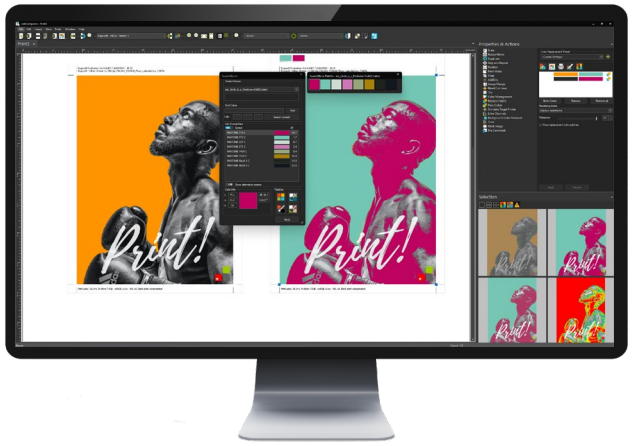
The SwatchMatcher allows to capture color books printed with third party solutions through:

- **Generation of a target measurement chart** (TIFF Lab, 16-bit or 8-bit) based on a color book import
- **Measuring the chart printed** with the third-party solution
- **Generation of a SwatchBook**, which mimics the existing color book printout

Development Log
[16.2] Introduction of SwatchMatcher feature

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
Color Replacement



- A new function allows the automatic color replacement based on color names (Spot Colors). Complete SwatchBooks can be used in the Image Property, but as well within the ImagePreset.
- A tolerance value has been added to all color replacement functionalities based on an input color value including PureColors.

Development Log
Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite

Gamut Warning As Thematic Map

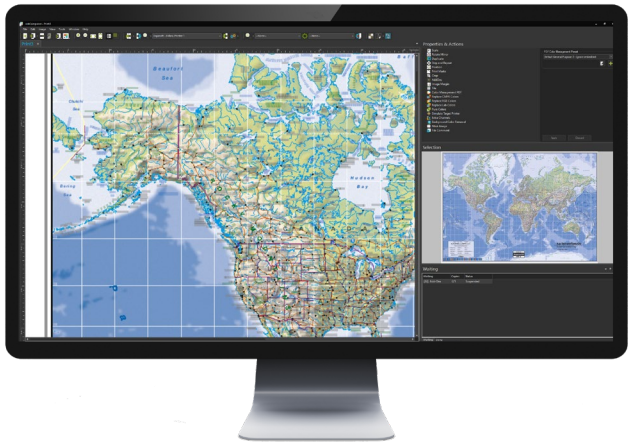
A toggle button allows to switch between the monochrome (green gamut warning color) and a new gamut warning using 4 colors (green, yellow, orange, red). The thresholds for the levels can be defined under User Preferences.

Development Log
[16.2] Introduction of Gamut Warning as Thematic Map

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite

Improved Color Preview For EPS & PDF

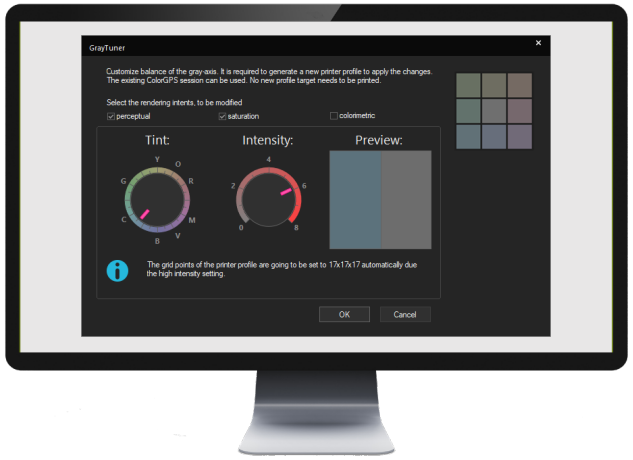


A newly developed functionality within the JobComposers' renders an improved preview of EPS and PDFs, respecting input-, output, intermediate profiles and rendering intents selected. This preview is being displayed in a preview pane of the JobComposer.

Development Log
[16.1] Introduction of improved Color Preview

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
GrayTuner

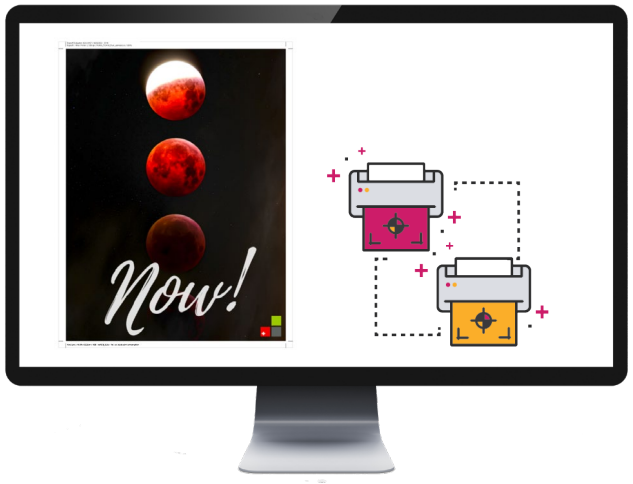


A new Profile Editor feature called GrayTuner allows the user to customize the tint of the gray axis of the generated printer profile of ColorGPS. Controls to set the custom tint (in terms of hue) and to adjust the intensity of this custom tint are available.

Development Log
[16.3] Introduction of GrayTuner feature

Access the full Changelog for more information.

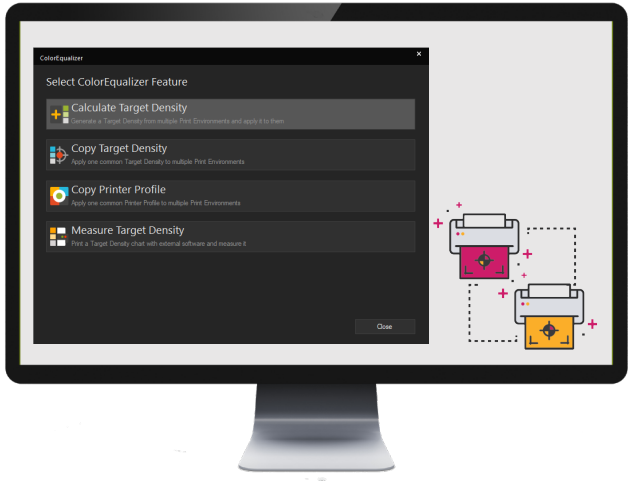
Ergosoft 16 – Print Production Suite
Target Printer Simulation



A new centralized Image Property called **Simulate Target Printer** within the JobComposer allows the user to assign a proofing profile and rendering intent for image placed in the Jobs.

Development Log
Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite
ColorEqualizer



In order to align color output, a new toolset has been added, which allows the following:

- Auto-generation and apply of a Target Density for/to a selection of Print Environments
- Bulk-assignment of an existing Target Density (Ergosoft or third-party) to a selection of Print Environments
- Bulk-assignment of a printer profile to a selection of Print Environment
- Capture existing density output of an existing printing solution and generation of a Target Density, which mimics the existing density output

Development Log
[16.2] Introduction of ColorEqualizer

Access the full Changelog for more information.

Ergosoft 16 – Print Production Suite

Density Linearization – Density Status

The default **Density Status E** has been updated to the latest norm.
Optionally, there are newly also Status T (accepted standard in the United States) and other filters available.

Development Log
[16.1] Introduction update default Density Status E

Access the full Changelog for more information.

User Experience

Ergosoft 16 – Print Production Suite
Redesigns of User Interfaces

A major revision of all graphical user interfaces of the Ergosoft 16 modules has been completed to greatly improve the overall user experience and user efficiency:

- **High-DPI Support:** Dynamic scaling of modules and dialogs according to High-DPI Windows settings and user display(s) setups.
- **Scalable Dialogs:** Dialogs and windows allow user defined window scaling.
- **Accessibility of Features:** Centralized location of features.
- **Consistency of Dialogs:** Unified layout and representation of all dialogs.

Development Log
[16.1] Easy accessibility
[16.1] Greater consistency
[16.1] Improved usability
[16.2] Resizable windows
[16.4] Support of Windows HighDPI scaling

Access the full Changelog for more information.

Ergosoft 16

Update now!

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