



TEXTILE

Textiles and Home Decor



Welcome to the software solution
for today's print service provider.

Welcome to Ergosoft.



Prepress production tools for **Textiles**

Ergosoft software has been designed to help large format and digital textile printers prepare jobs faster and more efficiently.

It provides tools to reduce manual work, lost time, and wasted media while improving color consistency and productivity.

Whether you have one printer or many, Ergosoft's scalable software can deliver a solution to suit your requirements.



Prepress production tools for **Textiles**

Ergosoft is a modular system which makes the preparation, color management and printing of files easy. Everything that is needed to produce work is supplied.

Our fully featured solution is ideal for any garment or textile producer using digital printing devices.

Ergosoft supports all common artwork formats from Adobe Photoshop (PSD) and Adobe Illustrator (AI), TIFF, BMP, PNG, JPEG, EPS, Postscript and PDF files.

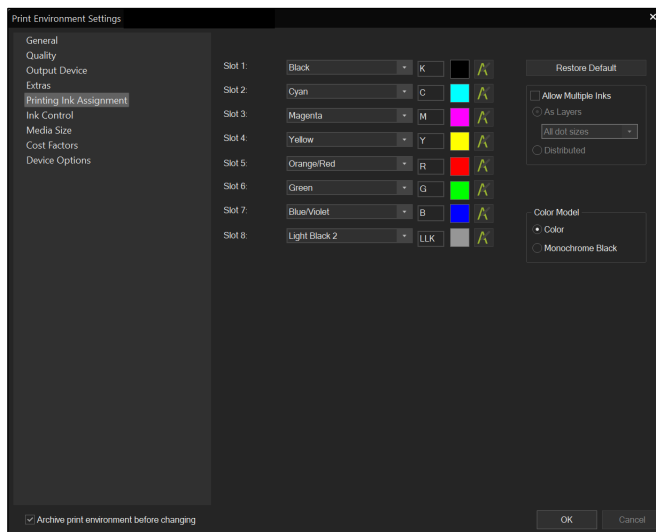
Multi-Channel Ink Handling

Ergosoft's color profiling tools are designed to help customers produce the best-printed results from their textile printing systems.

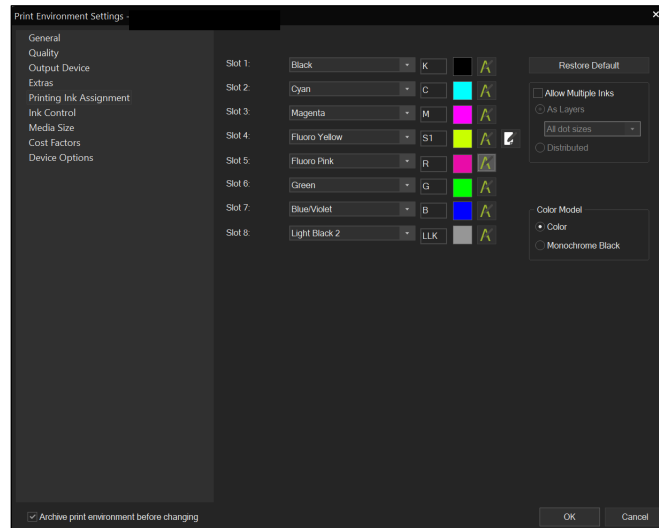
These included tools are especially useful in environments that rely on extended color gamut (ECG) ink sets commonly found in the digital textile printing industry.

As a genuine multi-channel solution, Ergosoft can use up to 12 profile channels, not including light inks, penetration inks, and coatings.

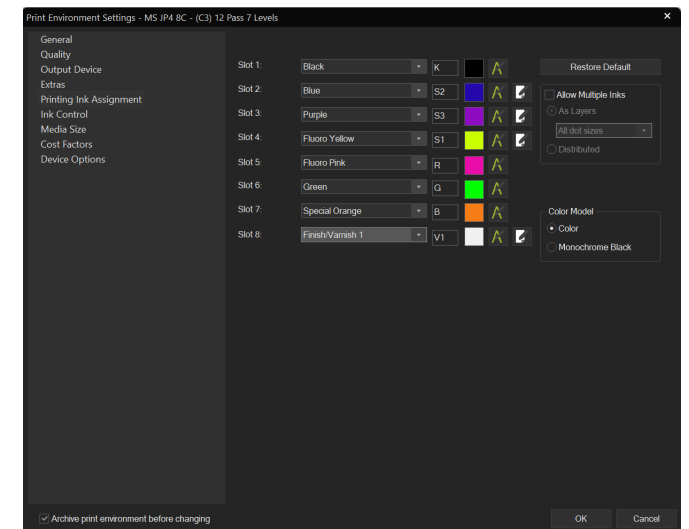
All of these can be adjusted easily in the Ergosoft PrintEnvironment.



Extended Color Gamut Inks



Fluorescent Inks



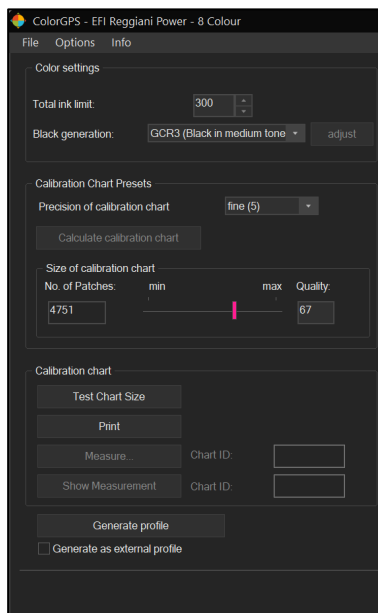
Any Combination



Advanced Profiling Tools

As a true multi-channel ICC profiling system, Ergosoft profiles can contain up to 12 profile channels. The software automatically calculates the best way to create a test chart for printing so that you get the most from your printer. Ergosoft ICC profiles can be exported as RGB soft-proofing profiles for sharing with product designers and remote workers – perfect for modern textile production workflows.

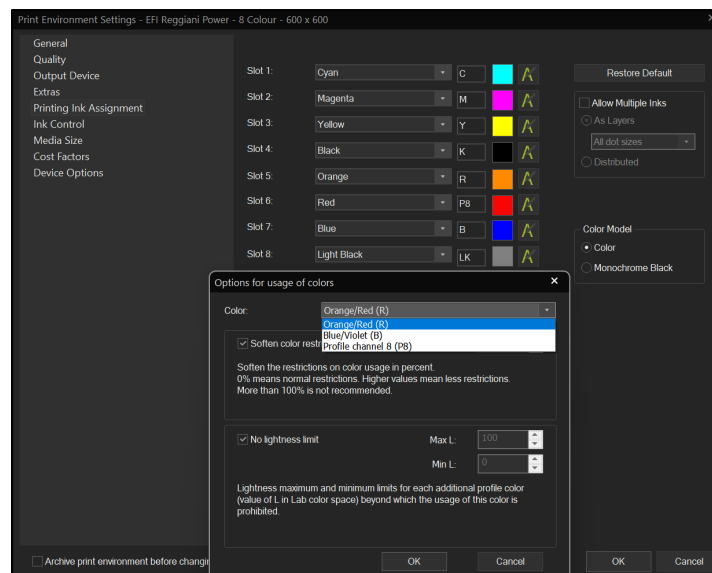
Dynamic Profiling Charts



Profiling charts are calculated dynamically based on how many colors are in the printer and the quality requirement for the application.

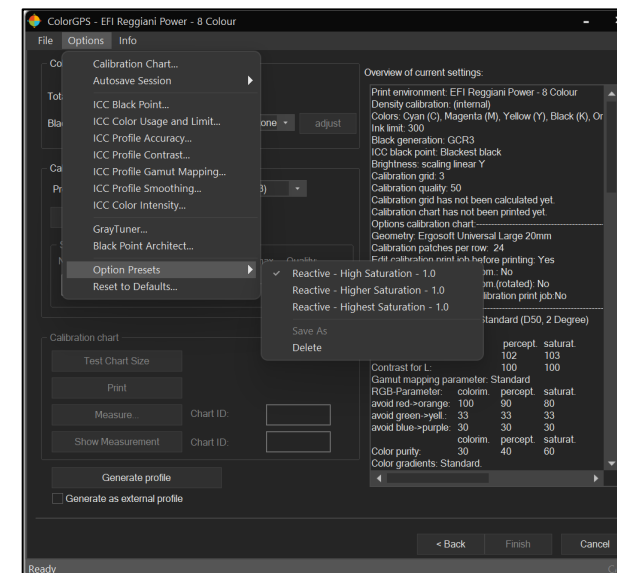
Typical 8 color profiles are calculated with 1500 – 1900 color patches.

Additional Color Channels



Additional color channels can be used to different effects depending on result required. The ICC profiles are linked to printer linearization files so they can be used across a fleet of printers – simply calibrate all your devices to the same standard and use a single ICC profile.

Profiling Presets



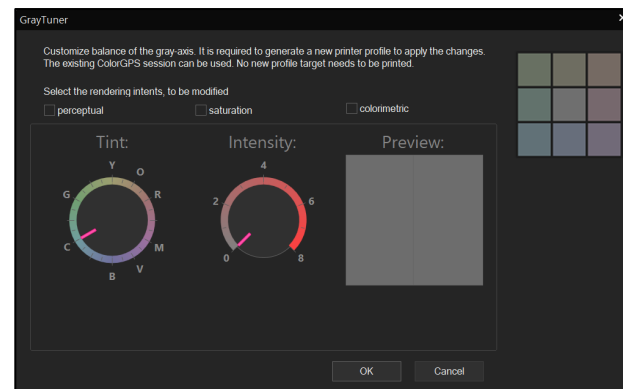
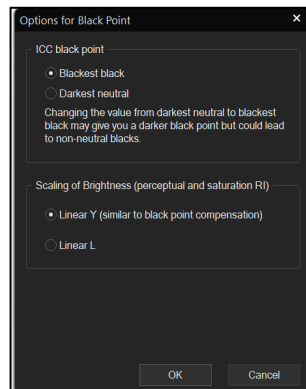
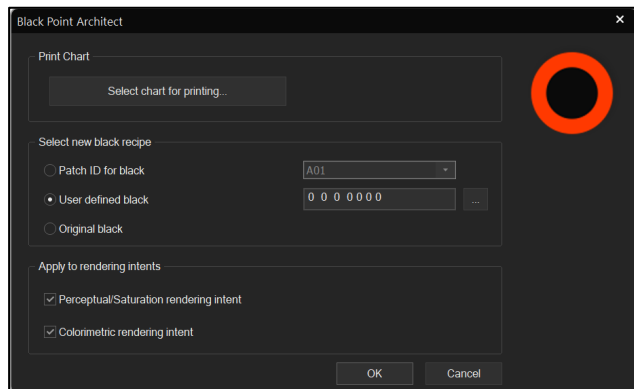
Advanced profiling can lead to parameter-rich settings. These settings can be saved as preset easily, exported, and shared with other stations to ensure color accuracy & appearance consistency across all media profiling sessions or locations.



Advanced Profiling Tools

Ergosoft's unrivaled profiling tools are designed to help customers produce the best-printed results from their systems. These included tools are usually only available in specific, high-end products

Control Black Channel and Grey Channel behaviour.

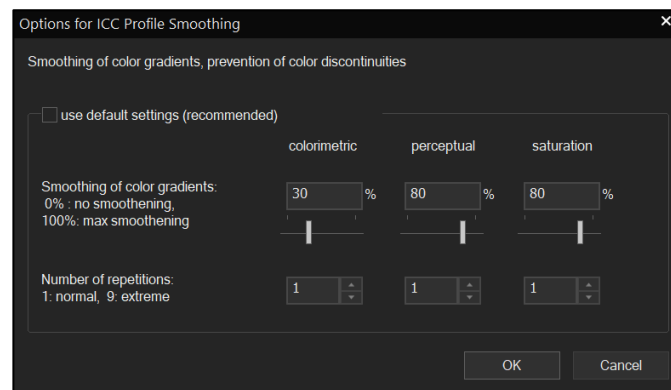
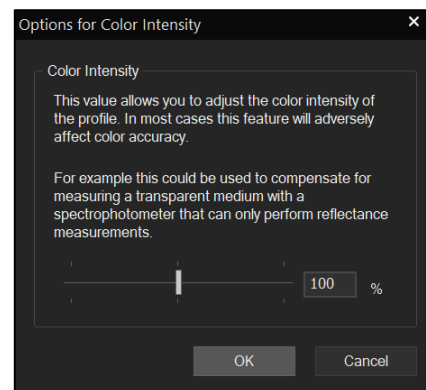
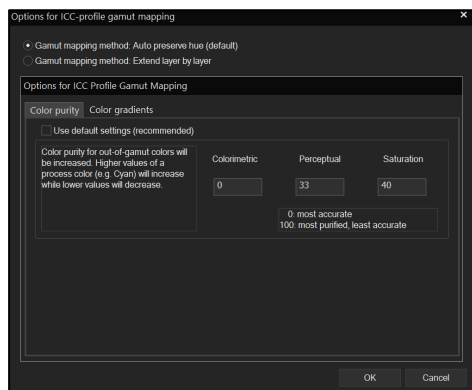


Standard in Ergosoft RIP are extensive tools to control black channel and grey channel behaviour.

These tools are essential in textile printing applications in order to ensure good grey balance and the preservation of details.

Also, when it comes to color, it's crucial to consider elements like the observer characteristics and light source, including D50/2° or D65/10°. Ergosoft RIP offers these features for graphics and textile/painting standards, respectively. Plus, we make use of real spectral values to ensure accurate color conversions between industry standards. This enables seamless switching between different color standards.

Best-Practice Gamut Mapping, Native Control of any type of additional profile colors, and Color Intensity



When converting from very wide colour gamuts such as RGB to typical textile color spaces then colors are often compressed. In such cases default algorithms can sometimes deliver unwanted results.

Ergosoft's ColorGPS was designed to allow users to define rules best suited for these color transformations, gamut mapping, profile smoothing and color intensity behaviours can all be edited.

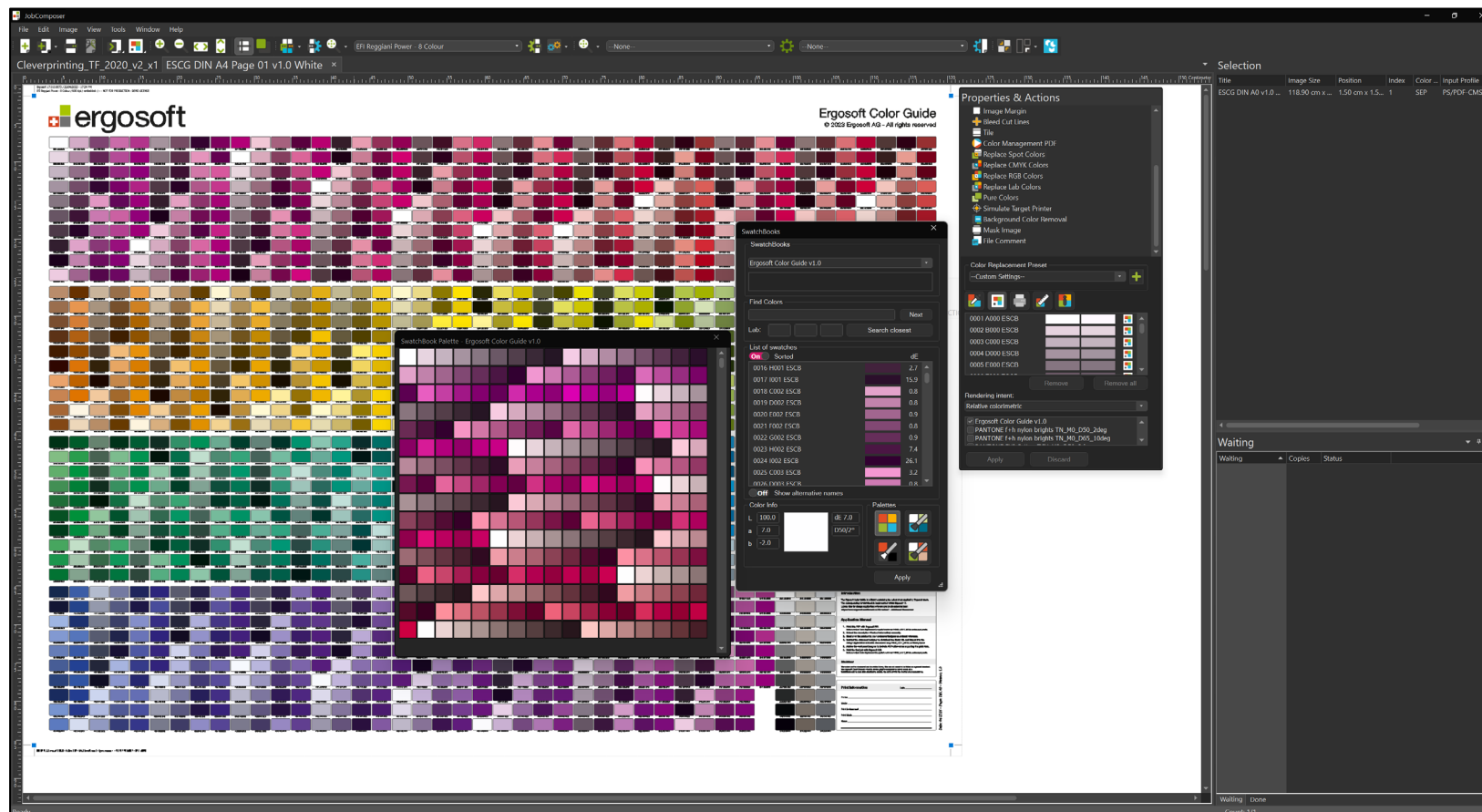
Optionally you can use fluorescent inks as profile colors instead of traditional spot channels. ColorGPS provides native control of any type of additional profile color.



Textile Swatch Matching

Ergosoft's **SwatchBook** and **SwatchMaker** tools create a swatch for the colors being printed along with a range of 'nearest colors' on the actual substrate being used.

Textile swatches give customers something they can see and feel and are just like the final product, increasing customer confidence by removing color mismatch.



SwatchBooks

Use the Ergosoft Color Guide, the included Pantone color database, or make your own custom SwatchBooks and share these with your designers or customers as a compatible swatch book for use in graphic design software.

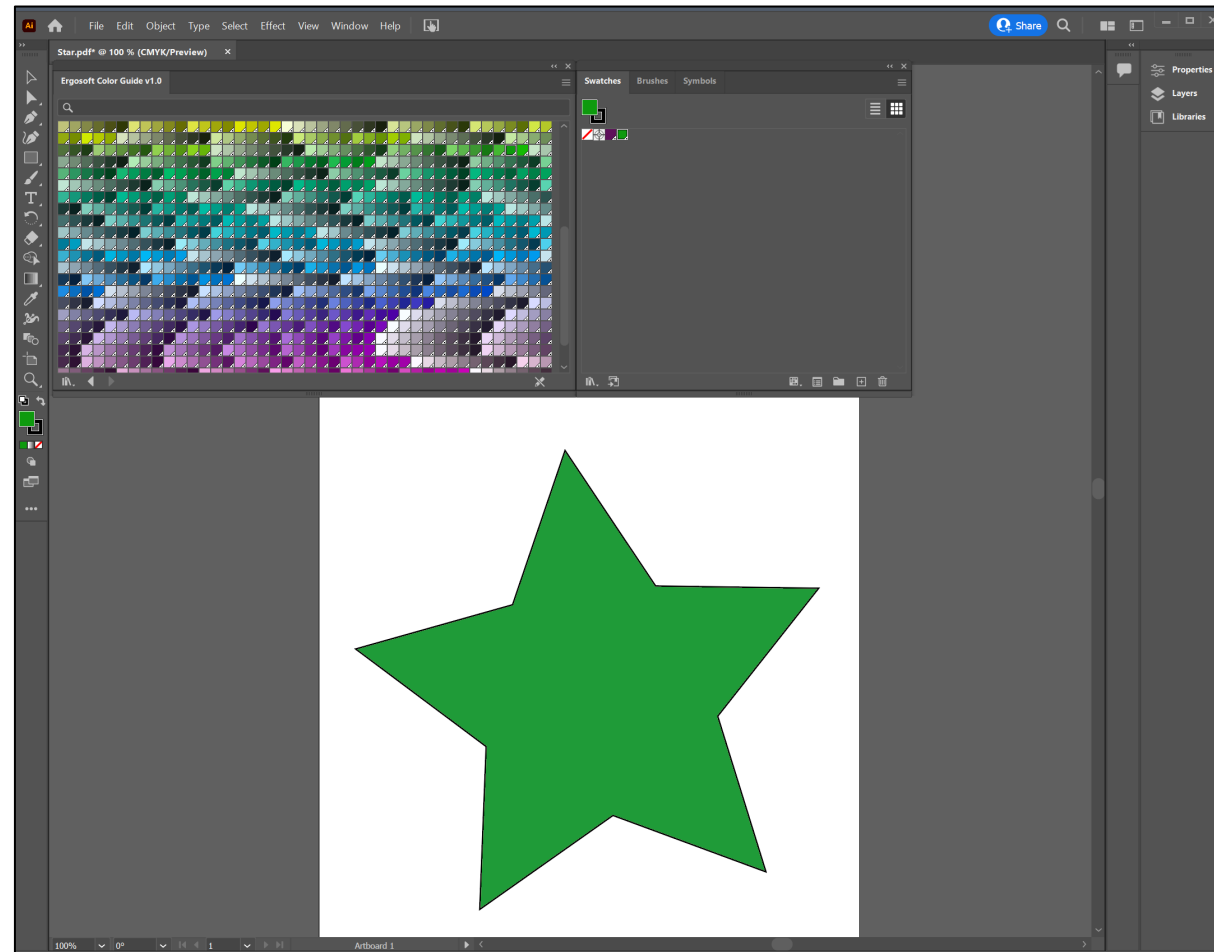
SwatchMaker

You can let Ergosoft calculate the best ink mix for your printer, or override it and set your own using all the inks in the printer including gamut extending and fluorescent colours.



Textile Swatch Matching - Using Adobe™ Tools

Ergosoft's **SwatchBook** and **SwatchMaker** tools allow textile printers to export their customised color libraries as Adobe™ compatible swatch libraries for use in Adobe™ Photoshop® and Illustrator®.



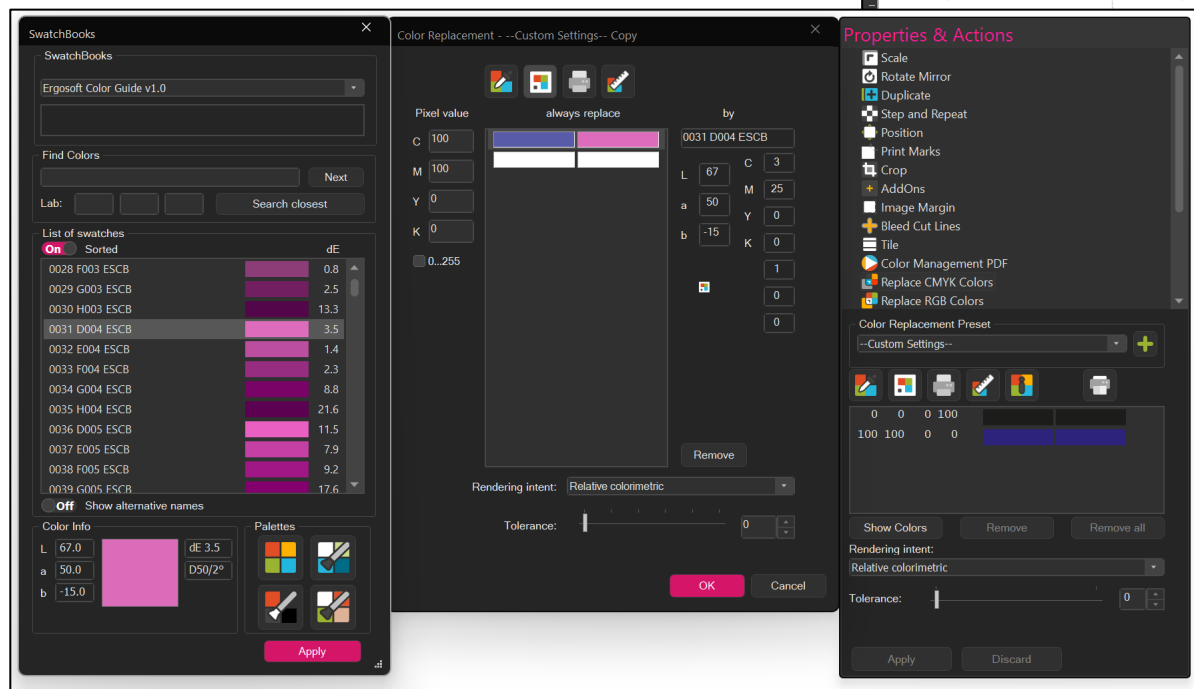
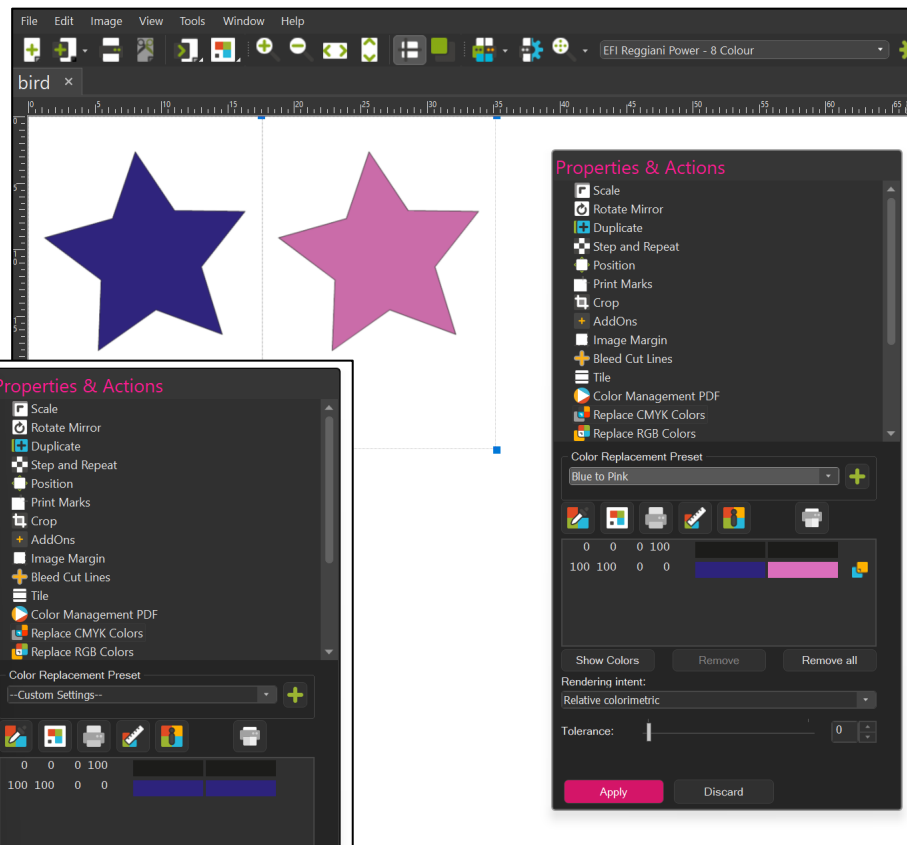
Easily imported, these datasets completely close the loop for anybody designing and digitally printing textile products.

These Swatch libraries are license free, allowing you to share them with your designers or customers alike.

Color Replacement Tools

Sometimes referred to as 'Colorways', Ergosoft's color replacement tools can be quickly used to create a range of different colored fashion products from a single design.

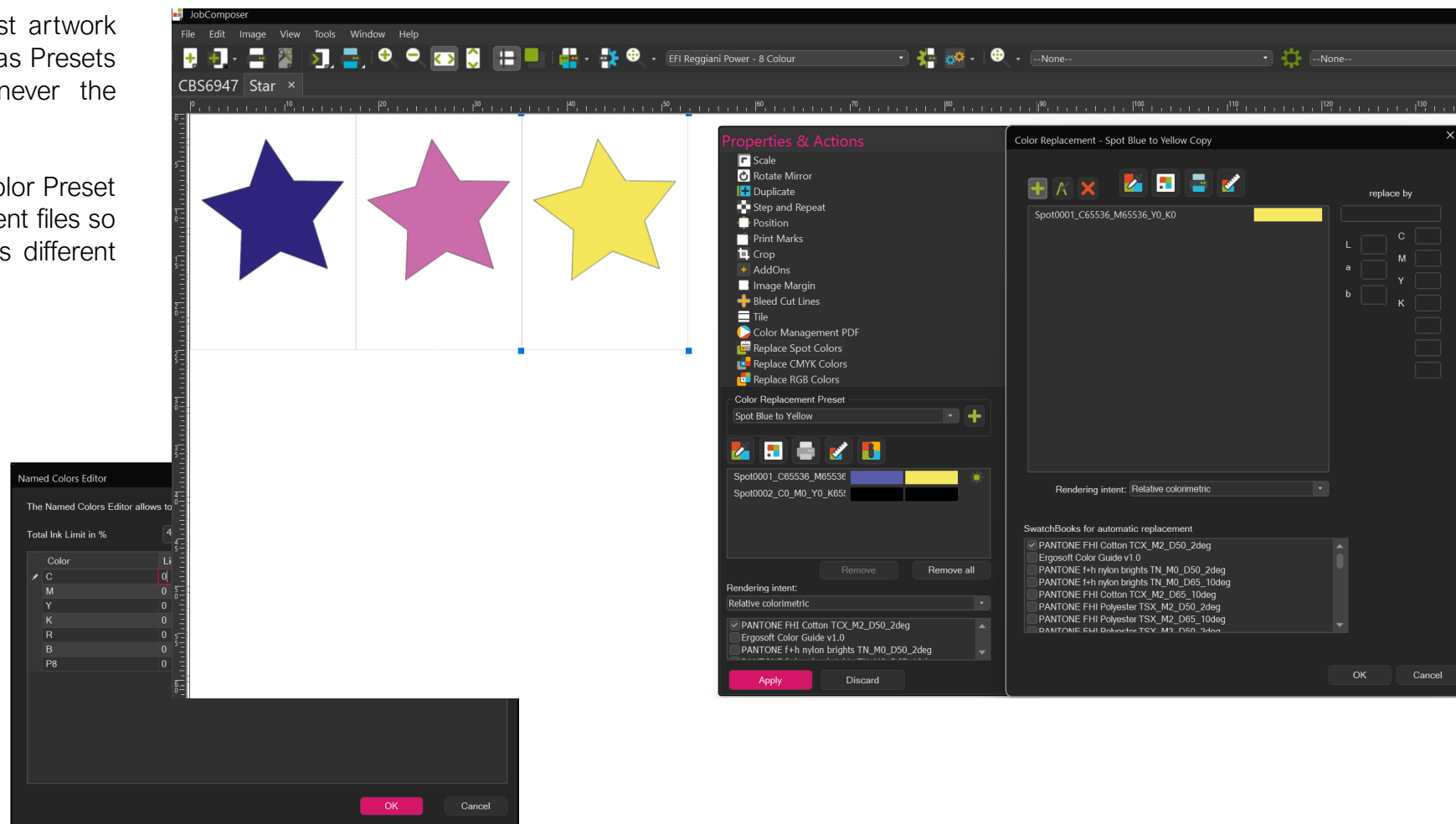
By using print production tools instead of design tools, manual work is kept to a minimum, and these can be saved as presets so to be used on new designs in an automated workflow for further time savings.



Color Replacement Tools

The **Named Colors** tools are ideal for fast artwork changes, color adjustments can be saved as Presets that can be automatically applied whenever the defined color is included in artwork.

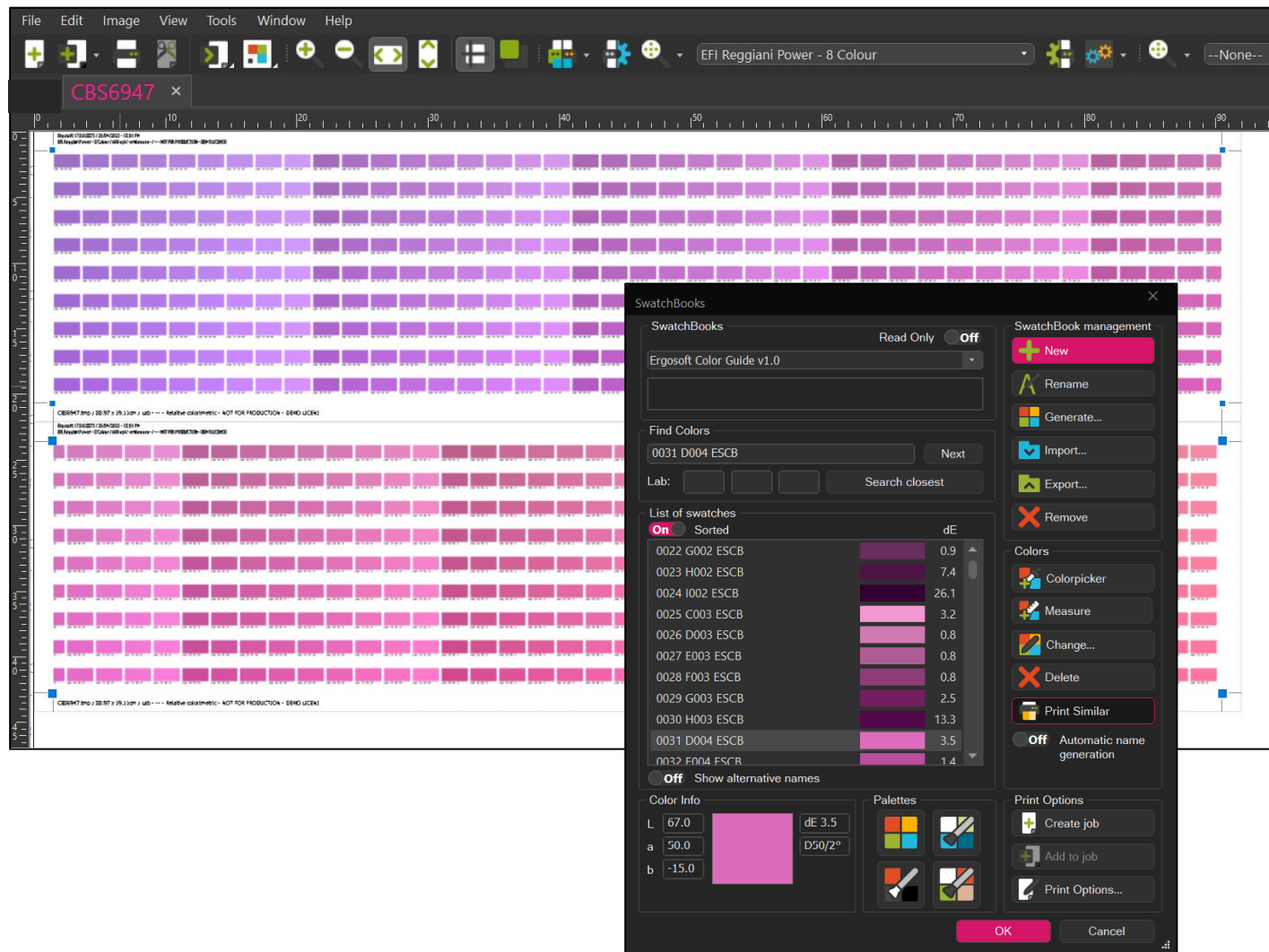
For ultimate color matching, the Named Color Preset can be applied to individual Print Environment files so that the preferred color is matched across different substrates without manual corrections.



Color Replacement Tools

Created for digital textile printing, **Ergosoft's Color Replacement Tools** aid advanced swatch matching, particularly helpful is the 'Print Similar Colors' tool.

Designed to keep color matching time to a minimum, this tool produces customised ranges of colors that can be printed on the actual fabrics you are going to use. Checking these against the required color is fast and accurate, creating an absolute match with no mistakes.

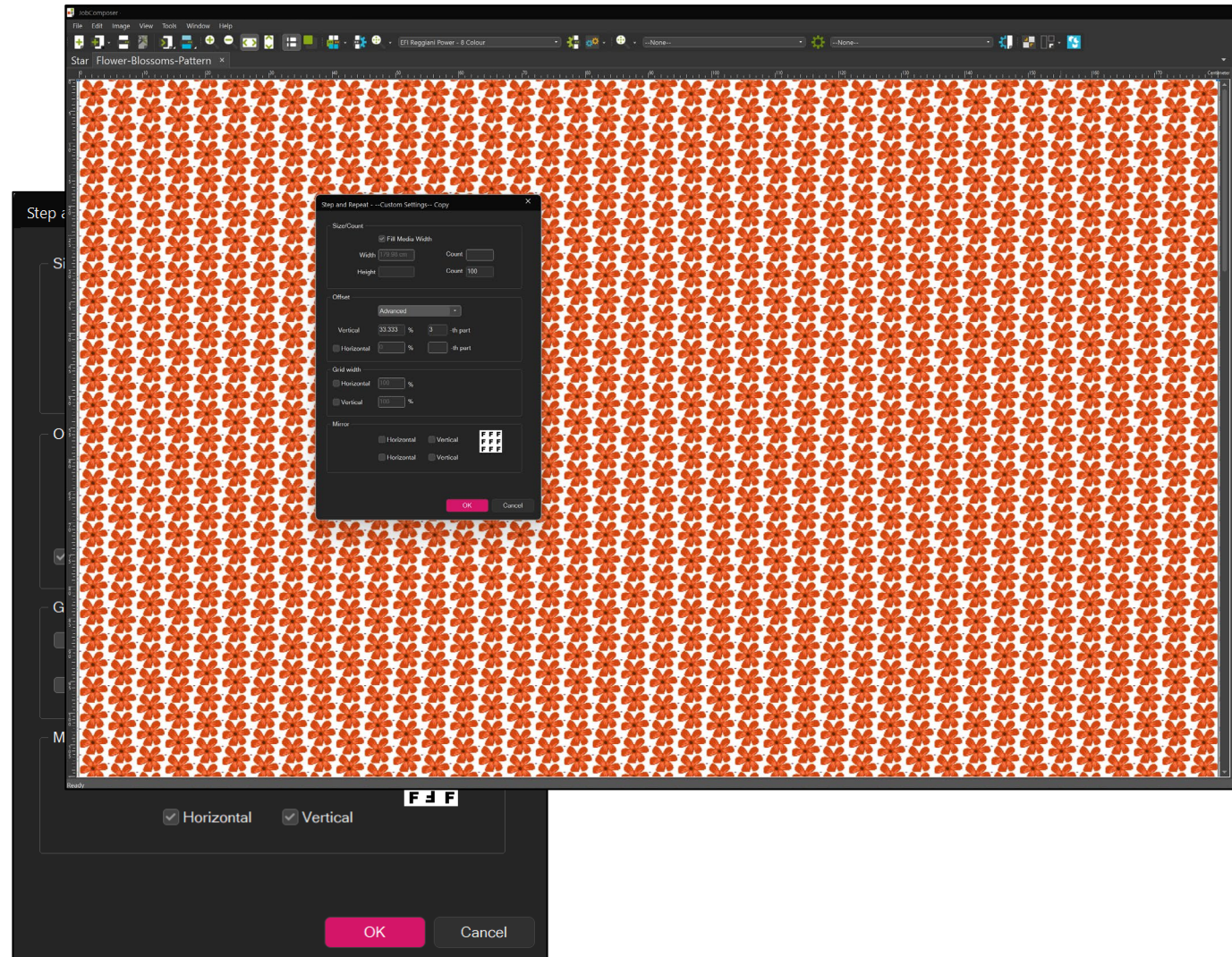


Textile Step & Repeat

Designed to reduce the time to prepare artwork files for digital textile printing, the **Step & Repeat tools in Ergosoft** compare to those found in desktop textile design applications.

With many different settings for horizontal and vertical offset, and horizontal and vertical mirroring of artwork, layout for different textile patterns can be quickly viewed with minimal manual effort.

These settings can be saved and used in manual and automated workflows for the fastest production possible.



Color Variants with ColorCombine

The unique built-in architecture ensures a seamless transition from color variants sampling to production printing on any printer of your fleet or any connected station.

Supported coloring color spaces are spectral, CIELAB D50/2° or D65/10° and any native printer color space (CMYK++) of your device.

Direct access to the company color standards and color books.

Besides the monochrome and colored design channel previews, this embedded ColorCombine module fully benefits from all additional Ergosoft RIP soft-proof features like high-quality printer preview and gamut warning preview as a thematic map.

Reprints, with no room for user error, are made easy through the Archive Job feature of the JobComposer.

Support of the most common file formats of traditional textile designs.

An intuitive user interface including various visual color palettes for efficient coloring of designs.

Includes complete halftone screening, custom dot gain, and ink overprint modules to imitate the feel of traditional textile prints or to produce high-end simulations for sampling applications.

