What is new in ColorAnt 12?

New Features and Improvements

Correction/Smoothing

- Restructured and enhanced ***Smoothing***/***Correction*** tool

Evaluate

- Creation of custom ***Evaluation Methods*** with user-defined specifications
- ***ColorAnt Evaluation***: The ***Proof Evaluation*** tool is now available as a standalone application
- ***Illumination*** and ***Observer*** settings of reference files and/or measurement data are now used properly

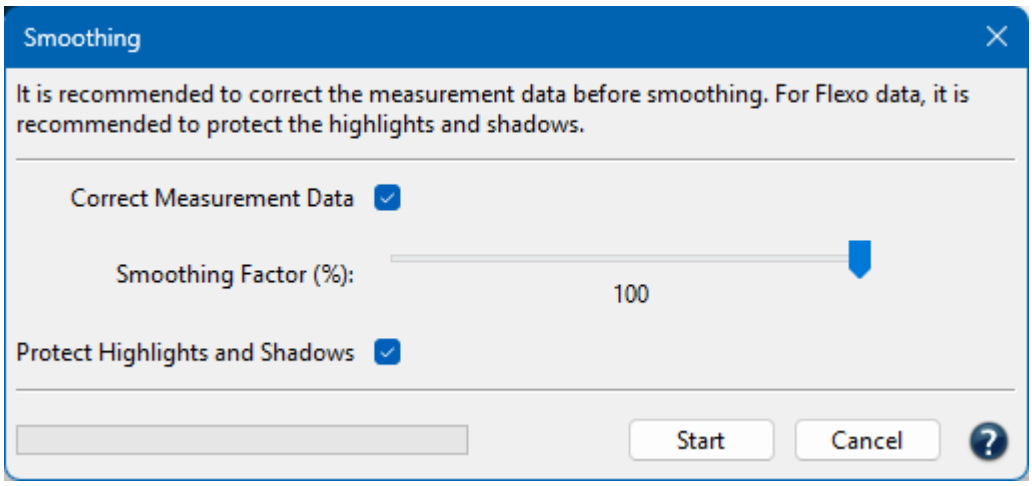
General

- New ColorAnt packages
- Modernized and streamlined licensing system

Correction and Smoothing

Restructured and enhanced Smoothing/Correction tool

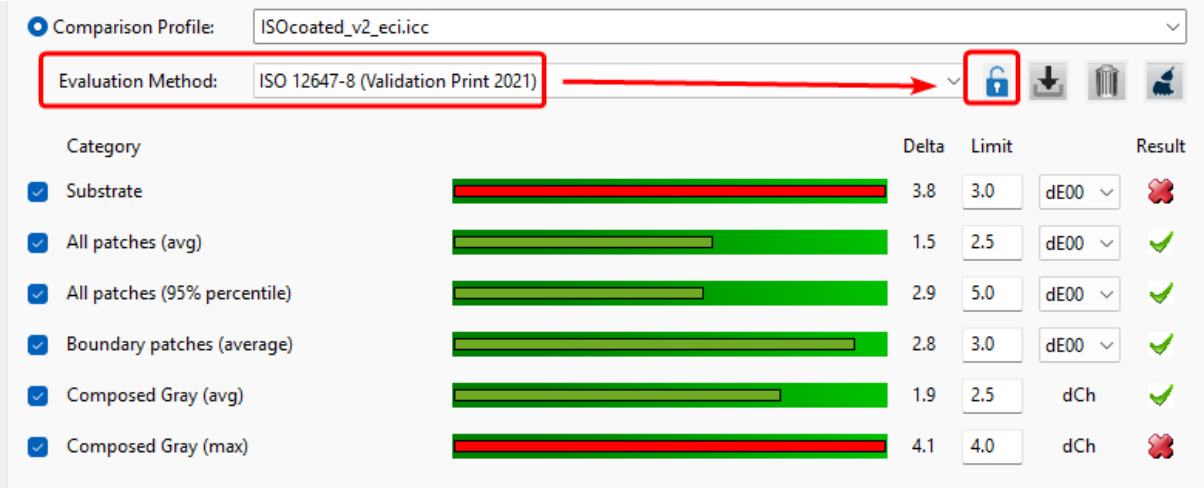
The ***Correction*** and ***Smoothing*** tools have been merged into a single, streamlined tool for a cleaner workflow. As part of this update, the ***Correction*** tool has been removed from the sidebar, and all editing tools are now arranged in two rows of four for a cleaner layout. The ***Correct Measurement Data*** checkbox has been moved into the ***Smoothing*** tool, which also includes the new option ***Protect Highlights and Shadows***.



Evaluate

Creation of custom Evaluation Methods with user-defined specifications

Existing ***Evaluation Methods*** can now be tailored to your specific requirements by unlocking predefined methods and adjusting their parameters. This enables more accurate and meaningful evaluation results.

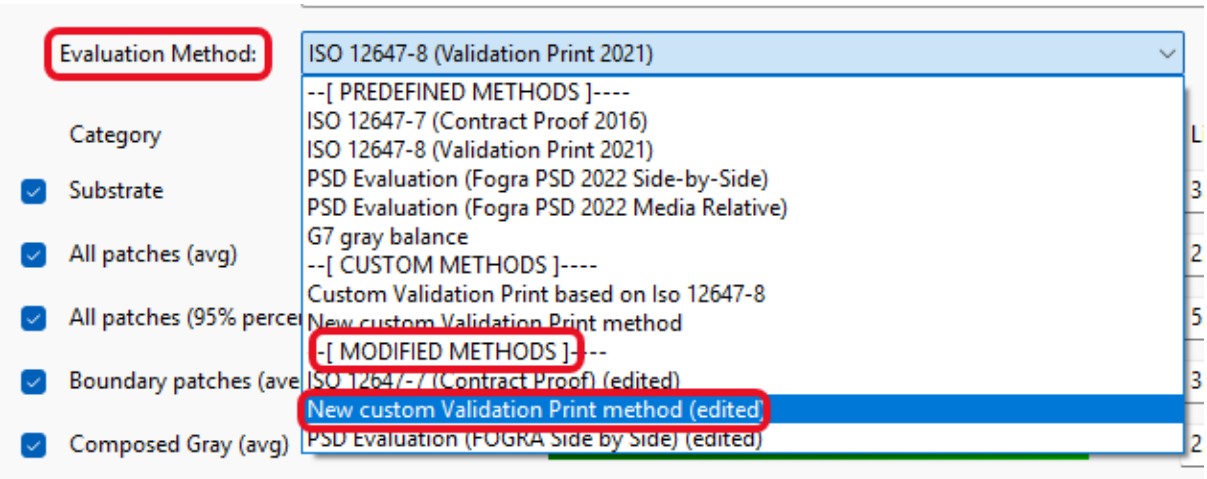


Predefined evaluation methods are initially locked. After unlocking, the following parameters can be changed:

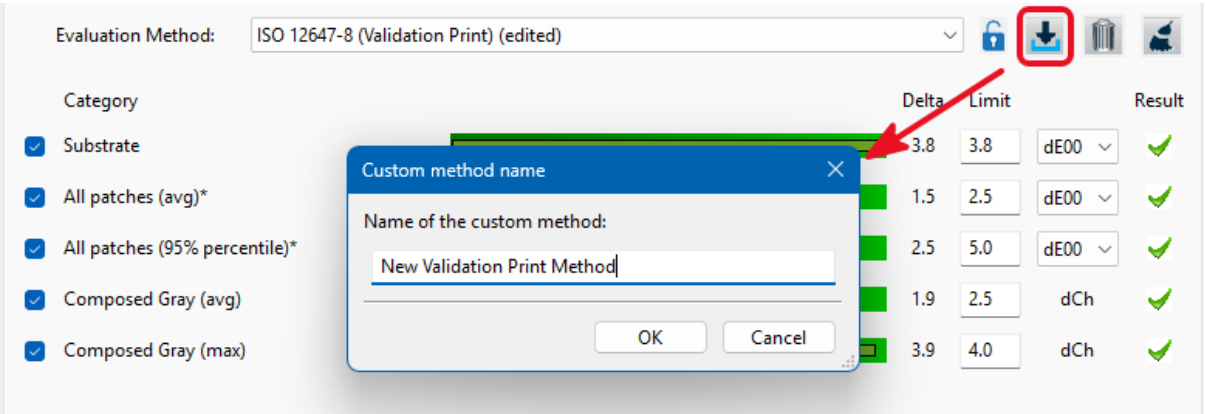
- Name of the custom evaluation method
- Categories can be included or excluded via checkboxes
- DeltaE (dE) limit values

- DeltaE (dE) methods
- PSD limit values in PSD methods (via the ***Pencil*** icon)

Once changes have been made to the predefined method, the modified version is saved as a modified method and added to the ***Evaluation Method*** list under the ***MODIFIED METHODS*** section, with the suffix (***edited***) appended to its original name.

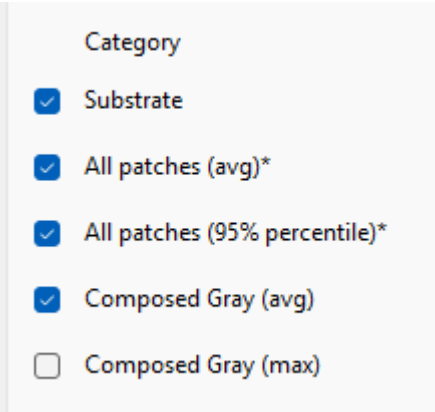


Modified evaluation methods can be saved with a new ***Name*** by clicking the ***Save*** icon and will then be listed under the ***CUSTOM METHODS*** section.

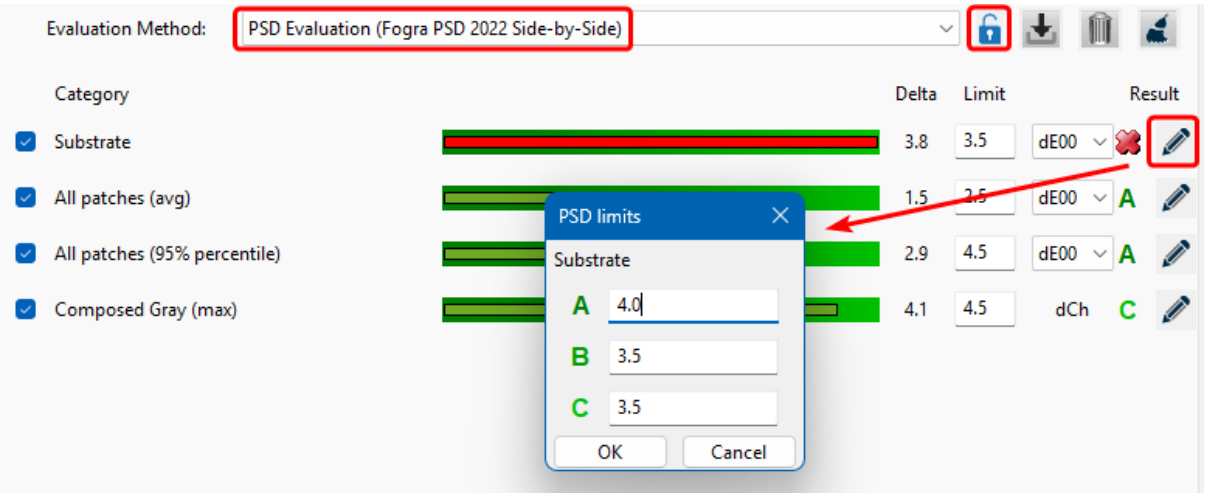


Selecting Categories for Evaluation

Categories can be included in or excluded from the evaluation process by selecting or deselecting their respective checkboxes. Thereby, it can be determined which categories will be evaluated. Categories that are deselected will be excluded from the evaluation process and will not appear in the ***Report*** or on the ***Label***.



PSD methods differ from other evaluation methods in that they do not utilize a green checkmark to indicate a pass or fail status. Instead, PSD methods categorize results into categories ***A***, ***B***, or ***C***. Given that the limits for nearly every ***Category*** vary significantly, these limits can be set as needed. To edit the specific limits for a PSD evaluation method, click the ***Pencil*** icon of the desired category.

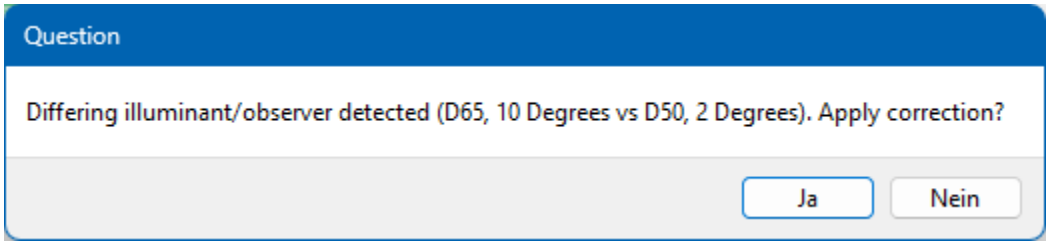


ColorAnt Evaluation: The Proof Evaluation tool is now available as a standalone application

ColorAnt's ***Evaluation*** tool is now also available as a **standalone application**, providing a basic set of ColorAnt tools including ***Measure, Compare, View, Chart Generation, Export Chart*** and ***Proof Evaluation***. ***ColorAnt Evaluation*** supports all data types, including Multicolor data and spot colors. Furthermore, it adds the option to create **Custom Evaluation Methods** with user-defined evaluation ***Limits***, so that the evaluation process can be tailored to meet specific requirements.

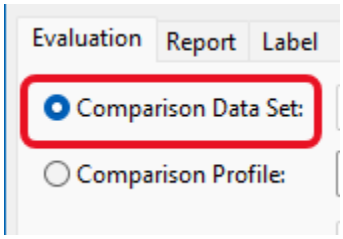
Differing Illumination and Observer settings of reference files and/or measurement data can now be converted to printing conditions

When profiles are loaded whose measurement conditions (e.g., ***Illuminant***/***Observer*** D65/10°) differ from the printing conditions (e.g., D50/2°), and the ***Evaluate*** tool is opened, a message is now displayed indicating this discrepancy.

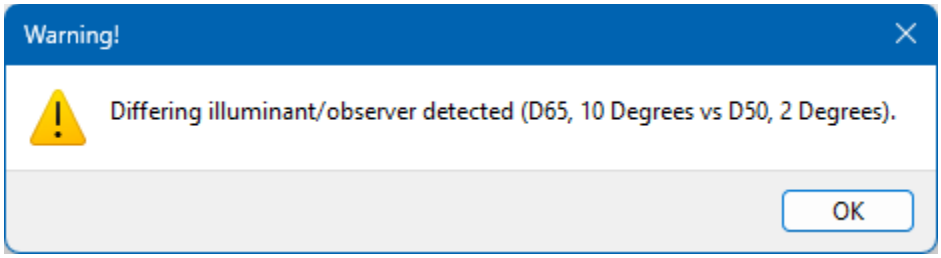


Comparison Data Set selected as option in the ***Evaluate*** tool

The ***Illuminant*** and ***Observer*** of the loaded profile can be converted to the printing conditions if the ***Comparison Data Set*** option is selected in the ***Evaluate*** dialog.

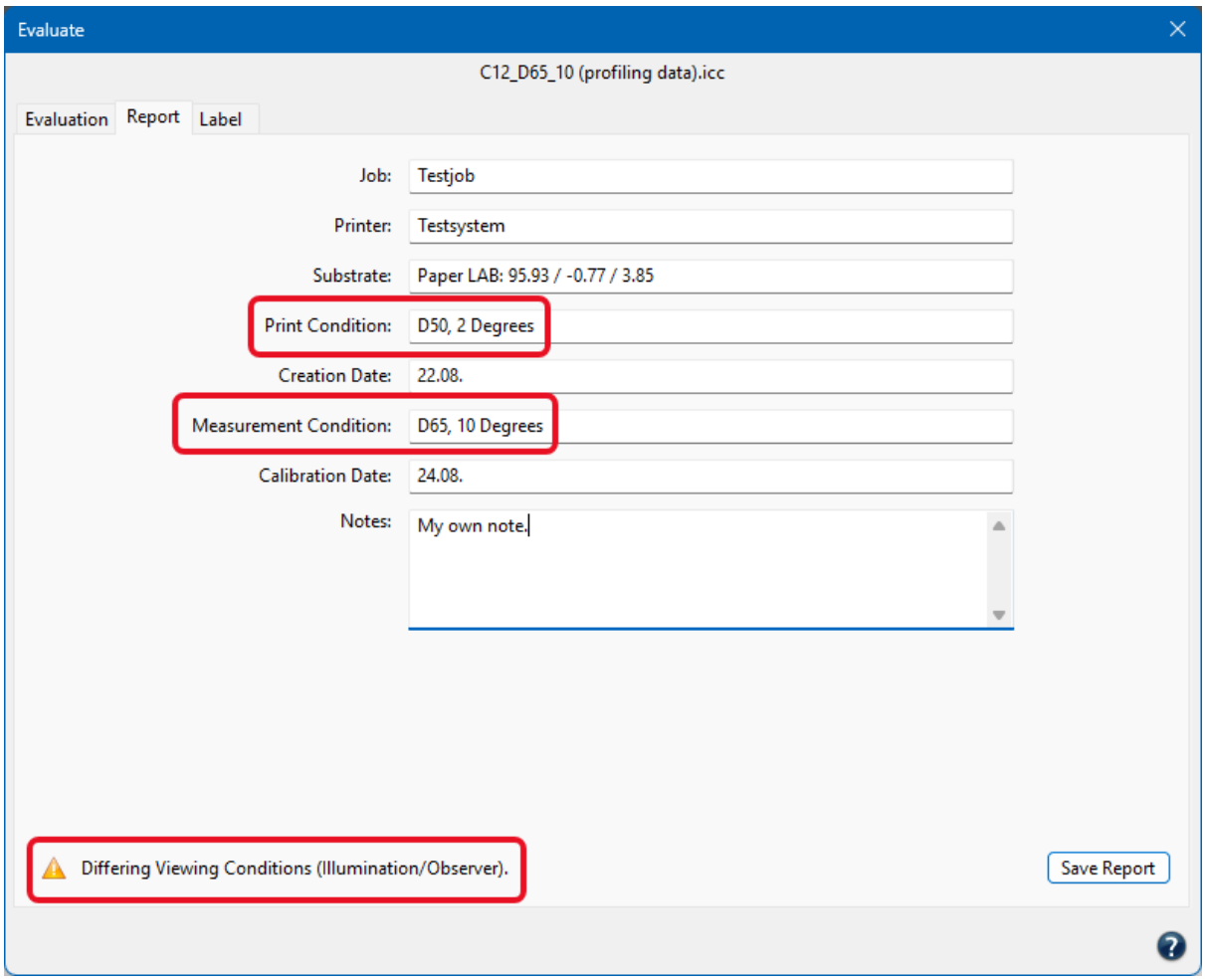


However, if the ***Comparison Profile*** option is selected in the ***Evaluate*** tool, the profile's ***Illuminant*** and ***Observer*** cannot be converted. Instead, a message will appear indicating that there is a discrepancy between the profile's measurement conditions and the printing conditions.

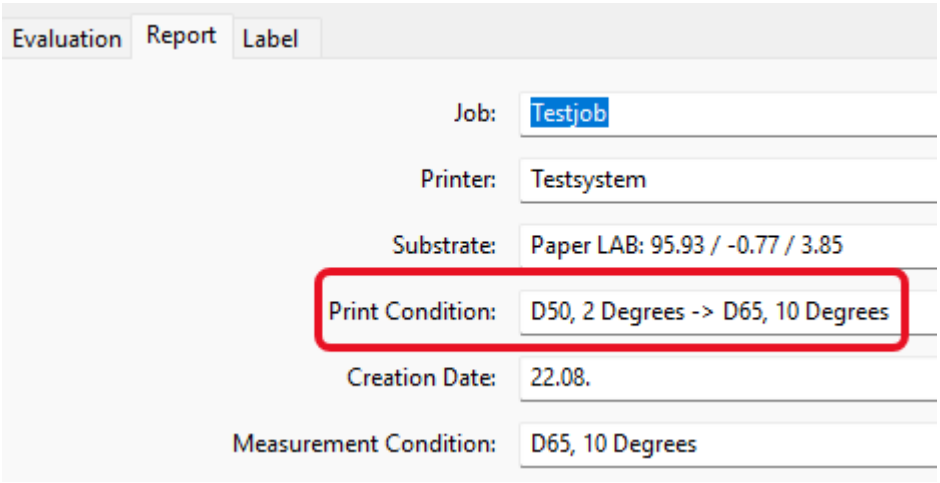


Comparison Profile selected as option in the ***Evaluate*** tool

In the ***Report***, this is documented under ***Printing Condition*** and ***Measurement Condition***. If the profile's ***Illumination*** and ***Observer*** are not converted, a warning will also be shown at the bottom of the window:



When the ***Illumination*** and ***Observer*** of the profile are converted, this is documented in the ***Report*** under ***Printing Condition***:



General

New ColorAnt packages

The latest update introduces three new ColorAnt packages, which will replace the existing ColorAnt M and L packages: ***ColorAnt* Process**, ***ColorAnt* Multicolor** and ***ColorAnt* Evaluation**.

Modernized and streamlined licensing management

From now on, ColorLogic products will be using the secure and well-proven Hybrid Software Group licensing system, which is also used in Hybrid Software GmbH products such as PACKZ and iC3D and is utilized by thousands of users worldwide. In addition to modern and secure encryption technology, this change offers other advantages as well:

- Only a single license key is required. The license key is linked to a user ID, not to a computer or hardware, and can be used on any system (Windows and macOS).
- Easier computer switching. When switching to a computer you no longer need to request new licenses, as the previous hardware- or dongle-based serial numbers are no longer used. Simply deactivate the license on the current computer, transfer it to another computer, and reactivate it there.
- This new licensing system is Internet-based. An Internet connection is required to activate or deactivate a license, but after activation the

software can be used offline. This significantly reduces administrative efforts and increases flexibility when switching computers.

- Simplified update process. Previously, a new license was required for each new major release, but now you automatically receive all updates as long as your **Software Maintenance Contract** remains active.
- Includes the new ***Activation Manager*** application which allows you to manage all your license keys.

To use the new licensing technology, you must initially log in to the Hybrid Software Group ***Data Center***. There, you will find all the software products you have licensed (under ***My Licenses***), as well as the latest versions available for download (under ***My Products***).

Bug Fixes

- ***Custom Chart***: Fixed a problem, where entering a higher TAC resulted in fewer overprint patches (Ticket 254525)
- ***Custom Chart***: Fixed a bug where it was not possible to choose the color for 1CLr charts
- ***Measure***: Fixed a display bug, where the values during measurements with the Barbieri SpectroSwing qb differed from the final transmitted values
- ***Measure***: The way ambient light measurements are handled has been changed to avoid conflicts with other applications
- ***Report***: The ***Report*** tool now supports files in the ***Spot*** format
- ***Brightener***: The ***Brightener*** tool now supports files in the ***Spot*** format
- ***Tone Value***: Fixed a bug where some incorrect Boolean values were written to the cfcurve format file when saving (Ticket 254697)
- ***Tone Value***: Fixed an issue where corrections in accordance with ISO 20654 varied depending on the mode
- ***Edit Primaries***: Fixed a bug, where the primary adjustments were not done when only the white was changed

- ***Edit Primaries***: An ***index error*** has been fixed that could occur in rare cases when editing Lab data before editing remission data
- ***Color Editor***: Fixed an issue where locking the ***Output*** values was not always successful (Ticket 233534)
- ***CIE Conversion***: Fixed a bug where the ***Target Values*** were updated instead of the ***Source Values***
- ***View***: Fixed an unexpected error when trying to delete a patch in a spot color library
- ***View***: Fixed a bug where more channels were displayed than were available in the loaded profile
- ***View***: Fixed a bug where a strange colored line appeared in the ***Spider Web*** diagram with special data of only 3 patches
- ***View***: Fixed a bug in the ***3D View***, where the ***Point Size*** was always reset to 8 when a value lower than 8 was entered and a channel was enabled/disabled
- ***Evaluation***: The G7 chart patches were interpolated. This is now fixed and the correct steps are being used
- ***Evaluation***: Updated the ***Composed Grey*** limits in the ***PSD Side-By-Side*** method (Ticket 254576)
- ***Evaluation***: If the required G7 chart patches are missing, a corresponding message is now displayed
- ***General***: Non-standard backgrounds for spot color ink characterizations were displayed incorrectly and are now ignored (Ticket 234323)
- ***General***: Fixed an unexpected error that occurred when attempting to load a CSV from the ***Excel Import*** feature
- ***General***: Fixed a bug where density values were not transferred after unlinking DCS and PCS (Ticket 254650)
- ***General***: Fixed a crash that could occur on macOS when the program was closed via the Dock icon

- ***General***: Restructured product portfolio: ***ColorAnt Process*** and ***Multicolor*** packages plus ***Evaluation*** add-on
- ***General***: The initial loading of files has been optimized, resulting in significantly faster loading on systems with many profiles