



Precise color reproduction guaranteed with Fogra and Caldera

For digital printers color is king, and it's never been easier to reproduce colors accurately than with **Caldera's** state-of-the-art color management and RIP solutions. By being a member of **Fogra**, **Caldera** supports the development of standards for color precision in digital printing and facilitate **Fogra** certification for its users.

/ About Fogra

⦿ WHAT IS FOGRA ?

Fogra Forschungsgesellschaft Druck e.V. (*Graphic Technology Research Association*) based in München in Germany, promotes print engineering in the fields of research and development, and enable the print industry to use the results of this activity. It provides the chairman of the ISO technical committee 130 and contributes to the research and development of ISO standards for offset and digital printing.

⦿ WHAT IS FOGRA CERTIFICATION ?

FOGRA's Process Standard Offset (PSO) is the internationally-recognized standard for offset printing processes, designed to ensure consistent quality across all aspects of production. Becoming **PSO**-certified by **Fogra** verifies that a printing process conforms to the *ISO 12647* standard. Fogra has also recently developed *Process Standard Digital (PSD)*, which is an implementation of *ISO 15311* drafts. These certifications are a guarantee that a printing process meets quality and consistency criteria, and ensures that color output is identical using any combination of printing equipment, inks and media.

// About Caldera

⦿ HOW DOES CALDERA MANAGE COLOR ?

Caldera's award-winning **CopyRIP**, **VisualRIP** and **GrandRIP** solutions offer internationally-recognized RIP and color management capability. By automatically detecting, extracting and applying embedded color profiles, **Caldera's** robust engine ensures the precise reproduction of colors and determines parameters based on the *image, whether vector, grayscale, RGB or CMYK*. **Caldera** also supports spot colors printing and identifies named colors with full simulation of printed colors based on the output.

⦿ WHAT IS CALDERA EASYMEDIA ?



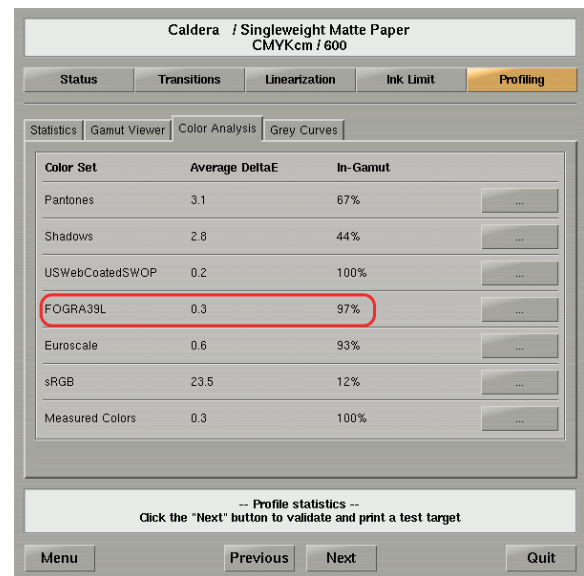
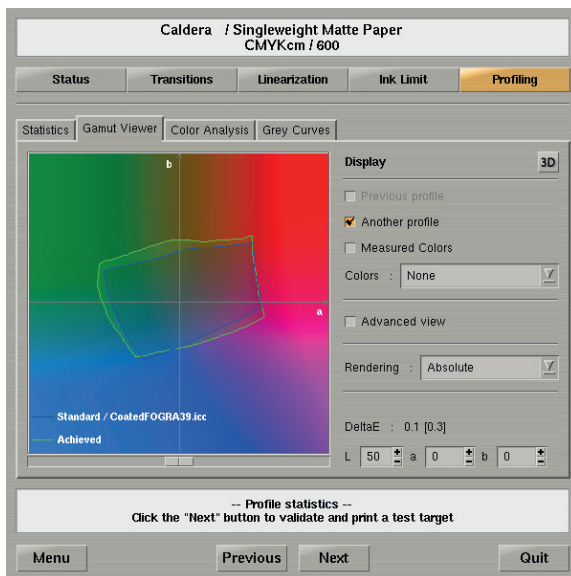
EasyMEDIA is **Caldera's** color management, calibration and profile creation solution. It facilitates the creation of *ICC profiles* for printers, including the linearization process and ink limitation, to guarantee accurate and consistent reproduction of colors across all processes. New in **Caldera V9** is the ability to perform relinearization, which allows the user to adjust colors and correct anomalies resulting from printer deviations without building new profiles.

/// Fogra and Caldera

◎ HOW CAN I CHECK THE FOGRA COMPATIBILITY OF A PROFILE ?

EasyMedia includes two tools to help users determine the compatibility of their chosen profile with **Fogra** standards.

- / *Gamut Viewer* allows the user to compare their selected profile with the **Fogra39** profile, which is already included in the **EasyMedia** profile database. Using *Caldera's 2D and 3D gamut viewers* the current gamut is compared with the **Fogra** profile, and determines if the profile is compatible with **Fogra** standards.
- / *Color Analysis* facilitates the visualization of the percentage of **Fogra** colors included in the chosen profile and the average difference between the expected and actual printed colors (delta-E measurement).



◎ WHAT DOES FOGRA PROVIDE TO CALDERA USERS ?

With integrated **Fogra** characterization sets and profiles in **EasyMedia**, **Caldera** makes it simple to check if **Fogra** colors can be accurately and consistently reproduced in standard conditions. **Caldera** also offers the ability to establish whether a *color gamut* is fully **Fogra** compatible, or what percentage of it is, and which colors are available. By using these tools, **Caldera** users can guarantee the customers the precise reproduction of colors in line with internationally recognized **Fogra** standards.

/// CONTACT

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