

# Fast, consistent and high quality output to any imaging device



## FlexRip

*FlexRip is a fast, consistent and high quality **RIP solution for all output**. It offers uncompromised compatibility with open industry standards, while delivering award-winning **screening for any print process**. FlexRip outputs to file and features tools for job verification to reduce waste levels and error rate. With its **color management** engine, FlexRip profiles digital proofers and presses and calibrates any imaging device including spot colors. FlexRip is **workflow and device independent**. It drives current and future devices alike and offers an unmatched **growth path** into different market segments.*

## Key benefits

- **Consistency between all output**

FlexRip is a device-independent RIP for filmsetters, platesetters, proofing devices and digital presses, guaranteeing absolute output consistency along with flexibility and high performance. FlexRip always RIPs individual separations first, before outputting to specific formats.

- **Print quality improvement**

FlexRip offers specialized screening technology for a variety of printing processes. All are machine independent and provide exceptional print quality.

- **Reduce consumable use**

FlexRip provides powerful quality control tools to digitally verify RIPped data for content and printability before output. This allows users to dramatically reduce waste of film, plate or proofing materials resulting from output errors.

- **Error reduction**

FlexRip's single RIP engine interprets a single input file for all output. The operator does not need to generate different files for proofers and film, dramatically reducing the margin for error. This saves operator time and rules out data inconsistency, thus reducing errors. A direct link to FlexProof/E from the RIP is possible, so that accurate contract proofs can be created before going to press.

- **Scaleable and modular**

As your business grows, your production volume increases. The modular approach of FlexRip is very scalable, providing cost-efficient solutions to tremendously increase production as your operation grows. FlexRip's wide variety of screening modules provides easy entry into different print markets without the need to change your prepress operation.

- **Integration to save time and money**

FlexRip can be integrated in many ways with the other EskoArtwork products – for example screening controls from PackEdge, ArtPro or DeskPack are passed seamlessly to the RIP, for absolute control of screening object by object. FlexRip, BackStage and Digital Flexo Suite link via JDF and JMF in order to better automate your production.

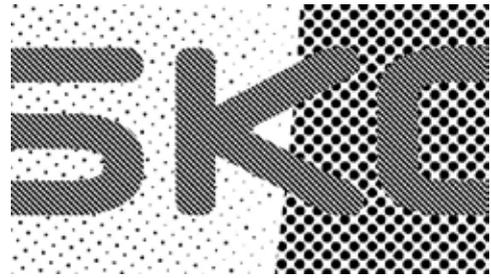
## Cutting edge screening technologies for every printing process

**Flexography:** PerfectHighlights, Groovy, Platecell, SambaFlex, Monet FM, Eccentric

**Offset:** Concentric, Organic, HighLine, Monet FM, HighLineXM

**Gravure:** Helio screens

**Silkscreen:** Rugby, DynaCell



*Combination of Groovy, PerfectHighlights and Circular dots in one separation*

## Different dot shapes in one separation

Make the most of FlexRip's screening technologies by combining them where they deliver the finest print quality. For example, in packaging, use SambaFlex or PerfectHighlights transitional screening in vignettes but standard circular dots in images.

## PressSync: curves for the rest of us



Screening goes hand in hand with curves: dot gain compensation curves for plate, press adjustment curves, curves to match print standards such as SWOP or GRACoL... the list goes on. Creating and managing all these curves has never been an easy job, until now.

PressSync gives you a simple effective system to:

- match print standards: GRACoL, SWOP or your own
- determine curves from production sheets
- make adjustments intuitively, by measurement, or both
- make color management simpler and more accurate
- greatly simplify communication with all team members

PressSync is integrated into our RIP products and also includes a powerful yet easy to use set of tools for determining your curves and tracking any changes from the standard printing condition. You could call it a "GPS for PrePress"



## IntelliCurvePro: Dot gain control with unrivalled accuracy

For the ultimate level of curve control there is **IntelliCurvePro** - an advanced tool for dot gain compensation and imager calibration.

Curve definition and smoothing functions ensure that the image never loses detail or contrast. Curve strategies based on color, screening or a combination of these factors can be programmed into the RIP - so that the correct curve is chosen with no room for error.

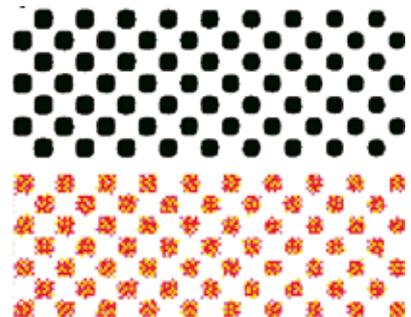
## Esko Bitmap Viewer: Quality control taken to extremes

**Bitmap Viewer** is FlexRip's powerful quality control tool that digitally verifies RIPPed data for content and printability before output. Users can preview ruling, angles, traps, line thickness, dot gain, resolution, seamless check, minimum dot size and many more job critical data. In addition, Esko Bitmap Viewer compares different versions of a job and automatically highlights any differences. Esko Bitmap Viewer clearly shows any mistake before it is output to film, plate or press. Bitmap Viewer saves time and considerably reduces waste.



## Guaranteed consistency between plate and proof

There is an option for a direct link from the FlexRip to FlexProof/E, which can drive a huge range of popular inkjet devices. Using the same RIP kernel, and our advanced color management technology, assures a match between press and proof. FlexProof/E contains a wealth of advanced features such as dot proofing, matching dot gain of the press (to simulate the flexo highlight break) and proofing of expanded gamut multicolor process jobs.

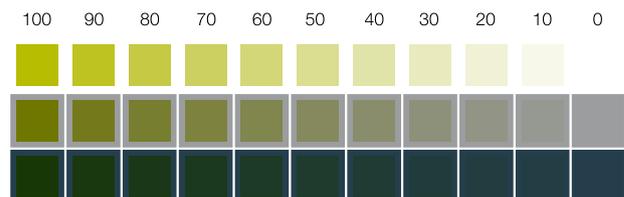


*DotProofing on inkjet devices.*

## Spectral profiling of special colors

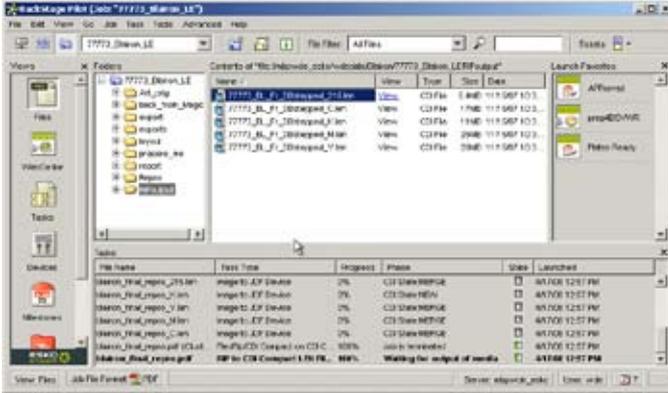


**Kaleidoscope** color management combines CMYK (colorimetric) profiling with patented special color (spectral) profiling. Special colors are individually profiled and stored in a database, resulting in excellent special color matching for digital proofers and presses. Kaleidoscope also excels in profiling any multicolor process set.



*Ink profiling*

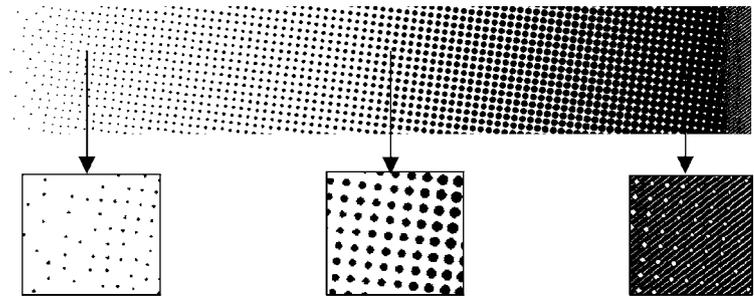
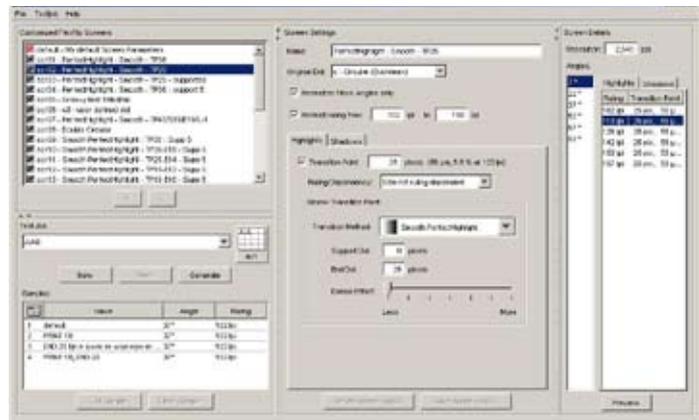
## Integration using open standards



FlexRip is part of Esko Software Suite: an integrated set of prepress production tools. Jobs flow smoothly from one component of the suite to the next, with metadata preserved in production files using the open XMP standard – this avoids time consuming and error-prone re-entry of information FlexRip and BackStage can be linked to the CDI and Kongsberg cutting tables using JDF/JMF and the Digital Flexo Suite to create a fully automated “digital plate factory”.

## Customized screening via ScreenManager

**ScreenManager** is a tool that combines Esko screening technologies with each other into your own customized screening collection. You will stay a step ahead of your competition while fine-tuning and optimizing print quality to your company's capabilities. Secure your business by offering a truly unique screening set. Or call on our color excellence consultants to create customized screens and get the most out of your printing process.



*Stochastic screening in the highlights*

*AM screening in the midtones*

*Groovy screening in the shadows*

FlexRip is a member of Esko Software Suite 7, Esko's advanced workflow environment integrating a number of software products for packaging service providers and commercial printers. The Esko Software Suite covers a wide range of functions, from job management, through graphic and structural design and pre-production operations, to platemaking for printing and toolmaking for converting.