

Suite 12

Print Production and Management Software

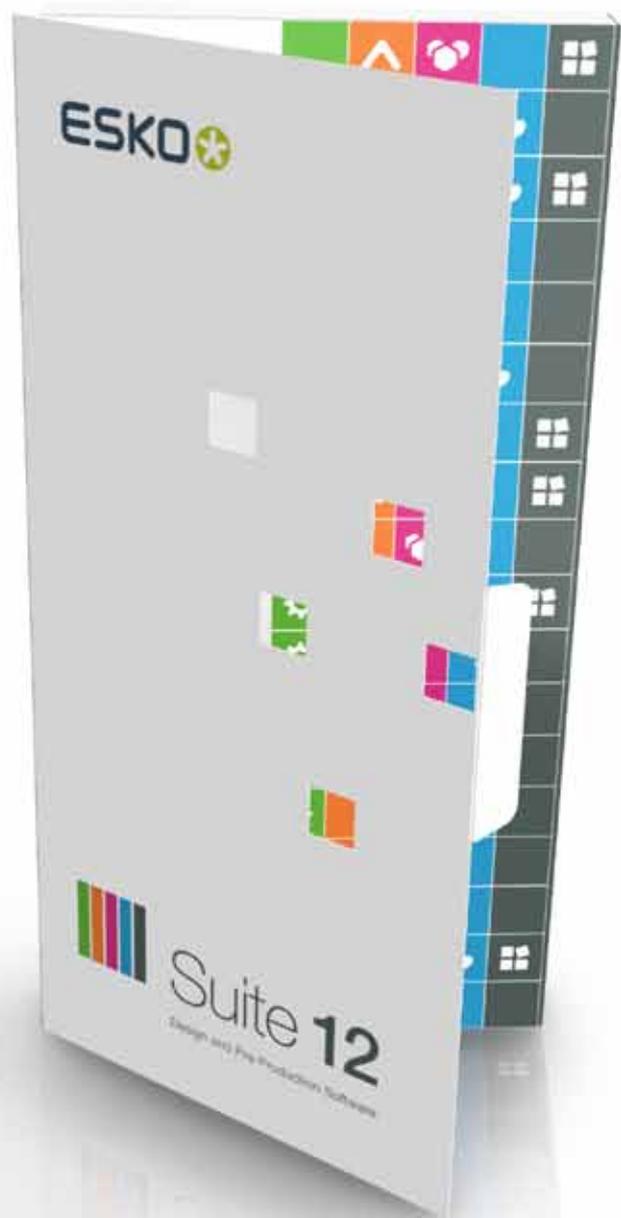
Today's production environment for printed matters like packaging, labels, brochures, books, magazines, signage and in-store displays, is increasingly challenging. Demands for better quality and more variety have to be met in shorter time frames.

Suite 12 is the complete answer to these challenges available today.

An integrated solution

Suite 12 is an integrated software solution for packaging, label, sign and display and commercial print professionals.

It is a scalable, easy-to-use and easy-to-learn, yet complete and all-encompassing solution for design, prepress and production. Suite 12 can integrate or be integrated with other business systems to get the best results in a complete end-to-end approach.



 Suite 12

Suite 12: an integrated set of solutions

Suite 12

Suite 12 focusses on enhanced productivity and reduced costs in the packaging, labels, signmaking and display manufacturing industries.

A packaging buyer doesn't merely consider an individual label or box. He considers all components that express a brand message via product packaging.

Suite 12 supports this approach with tools that create added value, improve efficiency and drive cost out of the process. With Suite 12, Esko users widen and deepen their impact, grip and control over the packaging supply chain.

For commercial print users, Suite 12 supports powerful yet easy to learn workflow automation tools. It comes integrated with an online approval platform, project management tools and MIS integration. All former Nexus and Odystar functionality is integrated in a single Automation Engine platform, completed with an open JDF integration to any 3rd party imposition software.

Esko users will find that their past investments are well protected. The release of Suite 12 brings significant new capabilities in prepress editing, 3D visualization, quality assurance, color management and workflow automation without the need to re-engineer operational workflows or re-train operators.

Suite 12 covers a wide range of applications:

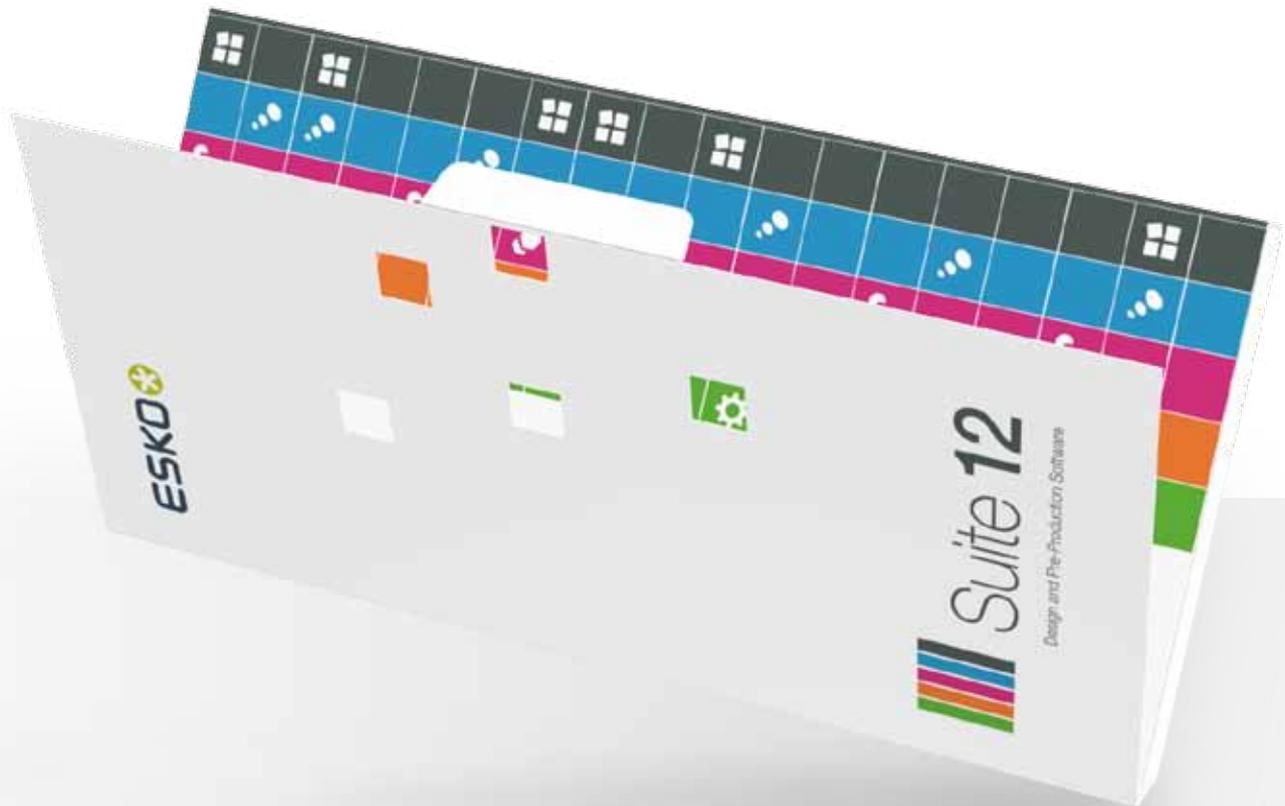
- Web-based production management software
- Software for structural design and manufacturing
- 3D design software, including store simulation tools
- Graphic editors
- Step & Repeat and imposition software
- Color management software
- Software for workflow automation
- Software for imaging and output control



Why work with Suite 12?

Suite 12 brings productivity and efficiency for new and existing Esko customers.

- **Packaging management.** WebCenter 12 is designed as a full-blown web-based packaging management system.
- Online collaboration and approval is only the start. Brand execution with **end-to-end process management, asset management** and reporting enriches WebCenter to become the nerve-center of each packaging workflow.
- **A holistic approach to packaging production.** Suite 12 prepress editors ArtPro, PackEdge, DeskPack and Studio are the operators' instruments to create artwork and designs. The editors enable interaction with automated production workflows.
- **Design packaging in context,** not in isolation. Preview all packaging layers in full 3D and in relation to each other. Detect issues very early in the production workflow.
- **Integrated color management.** With support for PantoneLIVE, and equipped with patented overprint modeling technology, Suite 12 excels in spot color support for packaging and label workflows.
- **One of a kind workflow automation.** Automation Engine 12 completes the integration efforts of Esko integrating all BackStage, Nexus Processor and Odystar functionality in a single easy to learn, easy to use and easy to maintain workflow server. Set up and manage dynamic workflows for both SME-type operations and larger multi-site facilities.
- **Artwork automation.** Automation Engine 12 supports scripting to automate repetitive operations in Adobe® Illustrator®. Scripting can be used to automate the production of variants of a single package.
- **High quality output drives the business.** With state of the art imaging and screening technology, Suite 12 redefines the boundaries for digital, flexo, offset and gravure print quality.



Suite 12 Software Engines

Server Engines are the nerve center of a Suite 12 workflow configuration. The Engines are the “under the hood” workhorses that execute a wide range of automation tasks in the background.



Automation Engine – workflow automation and job management software that supports small, single-site operations as well as multi-site, multi-plant global production operations.



Color Engine – a centralized color management server and database with patented spectral profile technology and unique spot-color capabilities. With support for PantoneLIVE, the Color Engine turns consistent and reliable color from design to ink kitchen into reality.



Imaging Engine – provides consistent, high-performance and top-quality proofing, screening and printing output. Imaging Engine generates output across all imaging and print devices, both conventional and digital.



Packaging management

Packaging is ready to be produced when the converter has the right substrates with the right inks and finishes. The correct brand colors are defined and images are optimized for the printing process. All marketing slogans have been checked, ingredient copy and nutritional facts are compliant, recycling symbols are added, the right barcode is selected.... The layout is optimized for finishing. All logistics, up to the shop shelf, are clear.

WebCenter



WebCenter is a 24/7 global communication, view and approval tool. This secure, internet-based, collaboration platform lets users manage projects, review, annotate and approve documents. The WebCenter viewer is unique in its kind with hyper realistic 3D mockup viewing, and version comparison tools on multiple documents.

WebCenter is the ideal packaging brand management platform to streamline and control the complexities of packaging brand execution. Accelerate time to market and facilitate working between diverse global suppliers. WebCenter is your gateway to other 3rd party systems (PLM, DAM, ERP...). Customization of the interface tailors to your specific requirements.

A flexible centralized, secure, web-based digital warehouse for all of a brand's packaging assets, including: technical key lines, artwork, graphics, logos, images and other packaging elements. Centralized storage brings greater efficiency and better asset reusability.



Dynamic Content

A single packaging design quickly evolves into many versions. One product may become available in several variants or brand extensions and those variants all have localized versions for a global market.

Dynamic Content Engine

The **Dynamic Content Engine** is an internet based solution that generates content in an IPC and GS1 XML standard format. It reduces time to market via a streamlined text management process across content creation and design.

Dynamic Content for Adobe® Illustrator®

The Dynamic Content module for Adobe® Illustrator® separates content from design. Textual content for ingredient copy, formulae and dosage is managed outside of Illustrator®. Dynamic Content connects the packaging design to the brand owners' content management system, thereby eliminating the risk for typing errors in critical text objects.



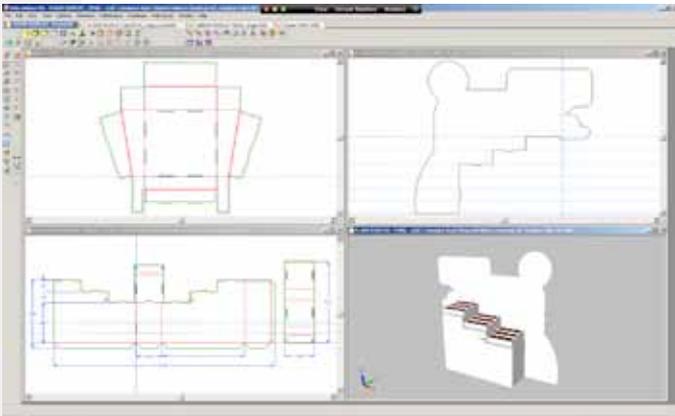
WebCenter is the ideal packaging brand management platform.

Structural design and manufacturing

Packaging development starts with structural design. Whether you create folding carton boxes, corrugated containers, bags or pouches; Esko supplies the world's leading structural design and manufacturing tools. These tools offer creativity and productivity for the most demanding production environments.

ArtiosCAD

ArtiosCAD is the world's most popular CAD software for packaging professionals. With dedicated tools specifically designed for paperboard packaging structural design, product development, virtual prototyping and manufacturing, ArtiosCAD increases productivity throughout your company.



ArtiosCAD comes with dedicated tools for paperboard packaging structural design.

Studio Toolkit



Whatever the application, with **Studio Toolkit** you create accurate packaging shapes in a matter of minutes. Use these structures to decorate and design graphics. Preview your designs in real-time 3D with the Studio Designer tool for the Esko editors or Adobe® Illustrator®. Export to 3D PDF or Collada file format to communicate with your supply chain partners.

Shapes

If you still need another shape, there is the online **Shapes** store where you can purchase 3D models of popular packaging shapes. You just have to bring your own artwork to create stunning visuals.

Shrink Sleeves and Multi-packs

Studio Toolkit uses physical simulation to accurately predict what will happen to the artwork. With its unique pre-distortion tools you can save hours of trial and error. And with the instant 3D feedback, both you and your client know what to expect at the end of the shrink tunnel.



With Studio Toolkit you can create accurate packaging shapes in a matter of minutes.

Prepress editors

Suite 12 contains a complete range of graphic editors for brand execution and professional prepress, on Mac and PC.

ArtPro

Software for advanced label and packaging pre-production.



ArtPro is the world's most productive and effective editor for pre-production of labels and packaging. This editor comes with dedicated functions and tools to prepare packaging designs for volume reproduction in a wide array of printing technologies (digital, offset, flexo, gravure, silk screen...).

PackEdge

Software for advanced label and packaging pre-production.



PackEdge is a highly productive, full-featured packaging pre-production editor offering unique technologies and dedicated tools focused on your major prepress pain points (e.g. trapping, distortion, screening, barcodes...).

DeskPack

Professional pre-production tools for Adobe® Illustrator® CS and Adobe® Photoshop® CS. Esko has taken the best of its packaging prepress technologies and put them right inside the world's most popular design tools.



Working in your favorite design applications, **DeskPack** significantly reduces errors, lead-time and cost. DeskPack turns Adobe® Illustrator® and Adobe® Photoshop® into a full-fledged packaging workstation.



Esko's graphic editors bring professional prepress, on Mac and PC.

20 years ArtPro

In November 1992, ArtPro was introduced for the first time to the graphic arts industry. Since then the software has built a loyal base of thousands of happy users. With ArtPro 12, Esko continues to live up to the expectations of its customers, providing them with value for their maintenance contract in the form of improved performance and stability, and a palette of functions in sync with the other Esko editors.



Studio Designer



Packaging is not flat and neither should your workflow be. **Studio Designer** brings 3D into the packaging design and pre-production world. Studio Designer makes it so easy that every operator can now work in 3D, check and finish artwork designs quicker and create animated 3D visuals for the customer.

Studio features 3D packaging design in ArtPro, PackEdge and Adobe® Illustrator®, sharing of 3D PDF files and creation of virtual mock ups including finishing effects.

With Studio Designer in ArtPro and PackEdge you can see your package in 3D and navigate through the different panels in your favorite editor. Create a back match or check the panel alignment or create a 3D PDF without leaving your comfort zone.

Studio Visualizer

With patented print modeling technology, **Studio Visualizer** shows in real time different substrates, inks and finishing techniques. Create and share convincing and accurate virtual mock-ups, straight from your production data.

Store Visualizer

Store Visualizer creates a genuine and hyper-realistic moment of truth experience by putting your packaging design in a retail environment.



Put your packaging design in a retail environment with Store Visualizer.



Studio Designer allows operators to work in 3D: check and finish artwork designs quicker.

Sheet layout

Sheet layout modules for **ArtPro** and **Plato** for every step and repeat, nesting or imposition need.



PowerLayout

PowerLayout is a powerful module for the creation of print-ready layouts for the label and flexible packaging industries. It is the production gateway between the prepress department and the press-room. It adds control and reduces errors and cost by bringing optimal plate layout in-house. Working with templates that can even include marks is just one possibility to reduce prepress time.

A growing number of labels and packages are printed on both the outside and inside. PowerLayout allows to automatically create the layout of the back, and keeps the front and back side dynamically in sync.

PowerStepper

Flawless automated plate layout is ensured with the **PowerStepper** module, through clever CAD import. Native ArtiosCAD manufacturing files, CFF2 and DDES are supported. The usage of available layout information of the die manufacturing file guarantees a perfect match of cut and print. The graphics are locked to the die to prevent unwanted changes.

Station numbering and masking tools significantly improve prepress efficiency. Smartflapping allows you to adjust overlapping graphic masks intelligently on the plate.

This module is currently available for ArtPro and Plato.

PowerOptimizer

This module for automatic distribution of labels will always come up with the best possible sheet layout: one that minimizes waste and overruns. It provides feedback about suggested layouts based on the desired run length of a given label, the maximum waste on the total sheet and the maximum allowed overrun per label.

This module is currently available for ArtPro and Plato.

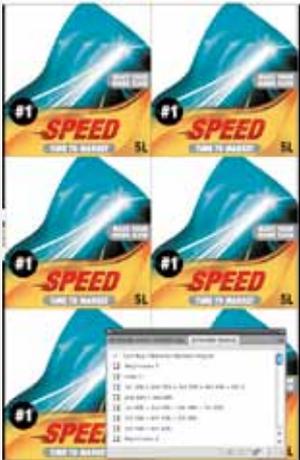
Marks

These marks automate the complex and time consuming task of adding color strips, bearer bars, registration crosses, job- specific info... The marks are positioned relatively to the page boxes or grid dimensions, adapting dynamically to the current job's sizes. They automatically use the inks from the job, so the user never has to spend time coloring and positioning manually.

SmartNames

When connected to Automation Engine, SmartNames can be used to pick-up job specific information such as order ID, customer information to be used by the marks.

Metadata such as ink names, screening parameters, job version or even ink coverage can be used in combination with marks to reliably visualize production critical information on screen, print-outs or plates.



Flawless automated plate layout.



Color Management

Color is a major component in the way we perceive packaging, signs and every other aspect of our lives. Predictable brand color reproduction consistently scores as one of the top 5 requirements from brand owners.

Esko Suite 12 has advanced and patented tools to optimize color matching and stability, in hard and soft copy proofing as well as for press control.



Color Engine



The **Color Engine** is a centralized color management server and database with patented spectral profile technology. The Color Engine offers unique capabilities for spot color handling, providing integrated and consistent color management from design to final print.

Equinox



Equinox is a total solution for the implementation of Multi Color Printing and Extended Gamut Printing in packaging and commercial print environments. Esko's patented overprint model provides a unique approach to multi-ink profile support. Multi-ink color spaces are fine-tuned and optimized for best performance on the printing press. Flexibility stems from Equinox's ink vendor independence and free choice of inks.

PantoneLIVE



Esko Color Engine fully supports **PantoneLIVE**, the DNA of brand colors in the cloud (by X-Rite Pantone). Color Engine accesses the PantoneLIVE database and downloads the selected spectral spot color profiles. Such profiles are now useable throughout the prepress workflow for editing and proofing. Accurate and reliable color from design to ink kitchen is now a reality.

Workflow automation

Automating job production and processing are key requirements for any modern graphic arts company. A range of scalable solutions helps you to optimize every workflow.

Automation Engine

Scalable workflow automation and job management software.

The **Automation Engine** supports small single site operations as well as multi-site, multi-plant global production operations. It is the next generation workflow management and automation platform, bringing together the strongest elements of Odystar, Nexus and BackStage.

The Automation Engine Pilot runs on both Mac OS and Windows operating system.



MIS and ERP integration

Your projects are initiated in a MIS or ERP platform? Then avoid double entry of data and integrate ArtiosCAD with your business platform. A single data entry model reduces the risk of operator errors and consequently reduces cost.

Automation Engine is JDF compliant so that any imposition application can act as a client to the Automation Engine server.

Scripting support

Create scripts inside Adobe® Illustrator® and have the Automation Engine execute the script. It is an extremely efficient method to automate the creation of language versions and flavor variants of your labels and packs.



Automation Engine allows you to build powerful workflows.

Imaging and Output

Imaging is the last step of the prepress workflow before the printing press. In this step the prepared sheet layout is imaged on a plate or cylinder. Esko has a wide range of imaging solutions for optimal plate production ensuring highest quality print.

Imaging Engine

The **Imaging Engine** provides consistent, high performance, top quality output across all types of imaging and print devices, both conventional and digital.

FlexProof

Workflow independent proofing solution.

FlexProof is an ICC compatible solution for high quality and consistent digital proofing. With its open architecture it fits into every workflow. FlexProof drives a wide variety of proofing units and brings the very best out of them. Get your presses to color target up to 20% faster than the industry benchmark today.

FlexoPerfection

The bitmap editor for flexographic printing. FlexoPerfection allows editing of ripped (EPS, TIFF, LEN) bitmap files. **FlexoPerfection** is designed specifically for quality control and improvement of digital flexographic plate files. For trade shops and others skilled in flexographic repro, this tool gives ultimate control over the digital image before making the plate.

PressSync

Guaranteed dot gain control with unrivalled accuracy.

PressSync is a highly sophisticated yet extremely easy to use application to control and calibrate output devices and presses. It uses control strategies to perform compensations on screened and unscreened data.

Digital Flexo Suite

Significant cost saving through automated flexo plate making.

The **Digital Flexo Suite** integrates all flexo plate making tools into a cost-effective solution. Designed for label and tag printers, converters and trade shops that want the best flexo plate room workflow available on the market.



FlexProof is a workflow independent proofing solution.

Screening

Halftone screening optimized for a specific print process is a requirement for print quality and production speed. Esko has the widest range of screening technologies for each print process including flexography, lithography, gravure and screen printing. Conventional AM screens from Esko have been the backbone of quality print production around the world for many years. Stochastic (FM) screening completely eliminates moiré and rosette patterning from your images. With Screen Manager, various screening options can be controlled to create a unique screen optimized for best performance.

Concentric Screening

Concentric Screening is a revolutionary and proven halftone dot technology for offset printing. It organizes the conventional round dots into thin concentric rings. This limits ink buildup on plate – providing greater latitude on press. Images are sharper and a wider color gamut is achieved. Not only does it improve quality, it also results in significant ink savings up to 30%.



HD Flexo

Bringing consistency, vibrant colors and increased print quality, **HD Flexo** raises the industry standard in flexo printing. Flexo printing can now compete with offset for quality labels and with gravure printing for flexible packaging.

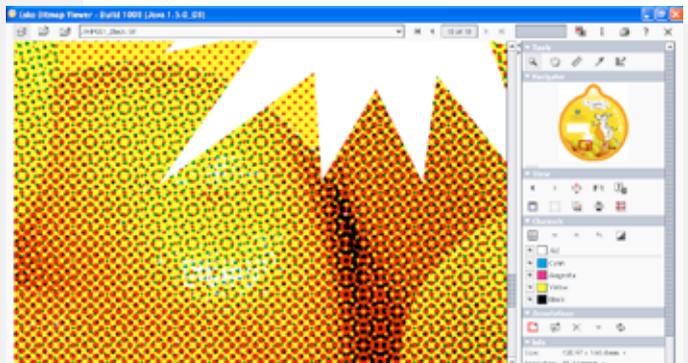
Silk Screen Printing

The main challenge in screen printing is the interference of the dots with the mesh structure of the silk screen. While the Rugby dot, with its “silk screen perfect” chains, dramatically increases the print quality, DynaCell technology empowers the printer to avoid mesh conflicts.

Esko Bitmap Viewer

Bitmap Viewer is a 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 plate. Bitmap Viewer saves time and considerably reduces waste.



The Esko Bitmap Viewer: check ripped files.

Services

Customer Services

We know that for most of our customers our solutions are mission-critical. For a maximum uptime, it is essential that Esko customers can rely on fast and continuous customer support in their native language. Our experienced support staff helps you to resolve technical issues in the fastest possible way.

Esko Solution Services

Esko's Solution Services team helps you take cost out of processes, raise productivity and improve the quality of your output.

Our team of experienced Solution Architects provides business and technical expertise adapted to your requirements.

Specific programs are defined: workshops to audit your current workflow and advise improvement; color excellence training and workshops to get color right first time and every time; integration programs that look after integration of your workflow with your business process.

Esko's Project Management Professionals apply knowledge on key project management processes to help you achieve your projects on time, within budget and at the expected quality.

Financing tailored to your needs

Investing in your future is not something you go about lightly. Esko assists with all-in financing solutions for your hardware and software investments.

Esko Finance offers a wide range of flexible financing solutions and allows freedom to choose the best fit financing model.



Esko Academy

Professional training enhances the skills of your employees, increases productivity and positively impacts the return on your investment. The Esko Academy offers a wide and diverse range of training sessions to achieve these goals.

The training programs organized in certified Esko training centers are typically general Esko software courses. Learn the ins and outs of the software without the interruptions of day-to-day activities. Our on-site training focuses on the integration of Esko software in your workflow. After installation and basic product training, we offer on-site startup services to ensure a smooth implementation. These follow-up services assess whether the recently purchased software is used to the fullest extent of its capabilities.



Qfor certified

Esko Academy has obtained the Qfor Quality Label for training. This Qfor label was awarded after a thorough quality evaluation of the Academy's training offer and a screening of the overall customer satisfaction.

Esko

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