

Packaging Print Applications with GIS & Esko

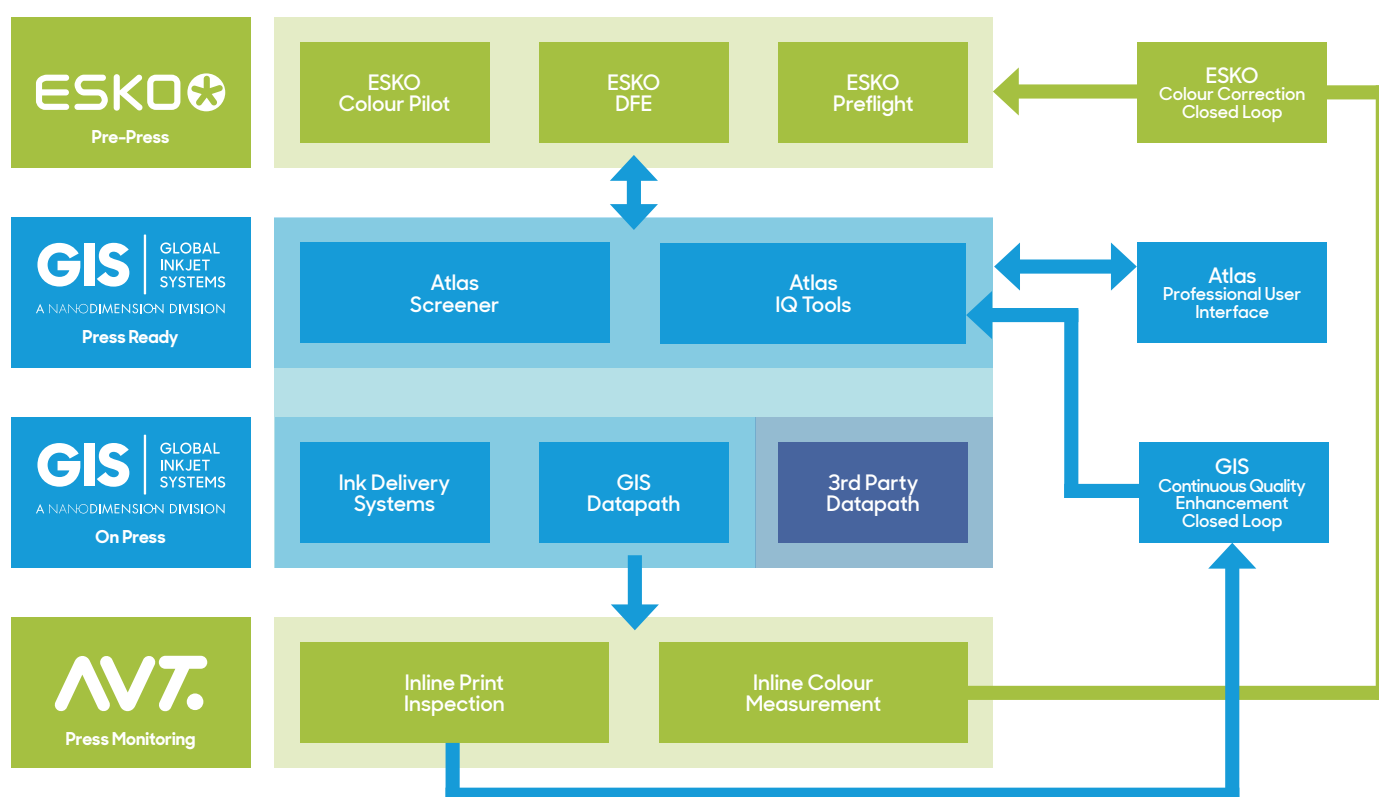
Digital inkjet for packaging print is a fast-growing sector. The labels segment is the most well-established, but now inkjet is expanding into all packaging sectors: flexible, corrugated, folding cartons and containers (e.g. tubes, bottles).

GIS & Esko Collaboration – From Artwork to Print

The Esko DFE is a market-leading turnkey solution for digital print in packaging, including brand colour management with VDP and Adobe PDF workflow. GIS & Esko have collaborated to bring together the packaging workflow expertise of Esko with the inkjet expertise of GIS. GIS & Esko's complementary products and technologies mean that together we can uniquely offer the complete value chain solution from brand owner to ink drops on substrate.

By working together, GIS & Esko offer fully integrated end-to-end solutions - from print job creation to the optimisation of print quality through precise printhead control. Additional user interface (UI) capability is also available through the integration of both companies' components into a combined UI that meets end user requirements.

Esko DFE Integrated with GIS Atlas® Software



GIS offers the Esko DFE as an integrated component with GIS Atlas software. GIS supplies a pre-integrated linked Esko solution so that users have a complete, end-to-end workflow with system control to optimise and maintain print quality.

Users can combine all the functionality of the Esko DFE with GIS Atlas, accessing the processing power of GIS Screeners and the GIS Atlas IQ® (Image Quality) tools. The GIS Atlas Screeners and Atlas IQ tools are modular and can be fully integrated or standalone. They are also independent of the datapath underneath.

The modularity of GIS Atlas software means that it can drive any datapath. This could be:

- GIS datapath
- 3rd party datapath (drivers required)
- Or if the existing driver technology supports Hot Folders, then GIS can print to the folder and no drivers are required

Packaging Print Applications with GIS & Esko



The Esko DFE

The Esko DFE (Digital Front End) enhances the performance and usability of a digital printing press, featuring:

- Adobe PDF Print Engine for fast, reliable, industry standard rendering of artwork
- Integrated colour management optimised for labels and packaging
- A simple wizard-driven interface that enables the accurate management of brand colours
- A layout processor that applies packaging step and repeat & print marks
- A VDP expansion processor for packaging variable data
- A controller which directs the flow of jobs through the Esko DFE components and stores parameters, configurations, etc.
- A user-facing configuration, job monitoring, status, and control tool that interfaces to the workflow server on the Esko DFE

Closed Loop

With the integration of AVT's Inline inspection systems, print quality and colour errors can be corrected on the fly. Any required correction can be sent to either the Esko or GIS interfaces, ensuring that both colour and screening can be adjusted so that the printed product meets the end customer requirements.

Key Benefits

- Harnesses the features and capability of the Esko DFE with GIS Atlas software
- Enables machine builders to develop and deploy tailored solutions
- Enhances end user productivity through streamlined, integrated and automated workflows
- Complete value chain solution from brand owner to ink drops on substrate
- Solutions that integrate with existing workflows and assure print and colour quality in an easy to use way
- Lower cost and faster time to market
 - Integration risk reduced
 - Use a proven end-to-end solution
- Development cost reduced
 - No need to invest in engineering or support
- Time to market reduced

Packages

Different levels of package are available enabling machine builders to access the features and capability of the Esko DFE and GIS Atlas software in a way not possible before. From entry-level to advanced, there is an Esko / GIS package to suit all OEMs. To access the combined power and flexibility of this integrated Esko and GIS workflow, contact GIS or your Account Manager.

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