



## Packaging Print Applications with GIS & Esko



**ESKO  
SOFTWARE  
PLATFORM**



**GLOBAL  
INKJET  
SYSTEMS**

### 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

### The GIS Ecosystem

GIS Atlas seamlessly takes the Esko job information to create an optimised final printed image, featuring:

- Multiple screeners to produce the highest print quality
- Highly configurable print modes to control resolution (dpi), greyscale depth, greyscale mapping, colour channels and print queue
- Range of print to file and folder processing options
- Open Server interface for customer DFE integration
- Printer job queue management
- Print system design and configuration tools
- Print quality optimisation tools including nozzle normalisation and density correction
- Full integration with GIS drive electronics supporting industry leading inkjet printheads

### 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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GIS provides software, electronics and sub-systems for industrial print systems

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