

Atlas Software Platform

The Atlas software platform from GIS is a suite of software solutions for industrial digital printing enabling rapid hardware configuration, tailored data management print paths, print quality optimisation, printer monitoring and print job management.

Atlas Software Suite seamlessly integrates to deliver user interfaces, printhead drive electronics and ink delivery management systems and includes a range of specialised tools to manage the entire datapath from image to print.



Atlas Server

Atlas Server is a high-performance RIP engine providing image processing and hardware management for the wide range of printhead drive electronics and ink management systems offered by GIS. Built on an open interface standard, it enables images to be processed in numerous ways to achieve:

- Repositioning and sizing
- Back-to-back printing of jobs
- Missing nozzle compensation
- Nozzle density compensation
- Image screening
- Test pattern management
- Dynamic adjustment of image position
- Single pass and multi-pass printing
- Colour control

Users can also extend the functionality of Atlas Server to meet their own requirements using the GIS SDK. This functionality is:

- Supplied with industry-standard HTTP 2.0 RESTful API
- Accessed using the open source *Swagger* framework interface on a standard browser
- Provided with client source code and project files for many languages, including C#, C# .NET 2.0, C++, Python and more

Atlas Professional

This modular, customisable, graphical User Interface (UI) provides a range of powerful tools, comprising:

Atlas Professional

Atlas Professional includes a powerful graphics design tool, allowing users to lay out and design complex images with variable content, and, via the GIS Software Development Kit (SDK), create their own user interface tools and functions to be incorporated into the Atlas Professional UI. Atlas Professional can be customised for different language and language variations, as well colour schemes to suit customer product branding.

Atlas Production

Atlas Production can be configured to determine which tools are to be included in the user interface, and is ideal for creating bespoke interfaces for machine deployment and shop floor applications.

Atlas IQ Tools

Atlas Image Quality (IQ) Tools are a comprehensive software solution to optimise digital print performance for image quality measurement and optimisation. The tools include:

- Missing nozzle compensation
- Nozzle density compensation
- Ink channel linearisation and colour correction
- Screener selection and optimisation
- Printhead registration alignment

Atlas Software Platform

Software Development Kits

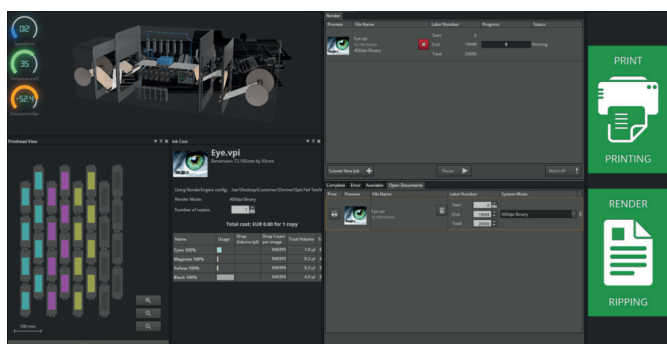
GIS offers a comprehensive range of Software Development Kit (SDK) components for both Atlas Professional and Atlas Server, enabling rapid bespoke print system development through access to the base programme and the ability to design and configure your required system elements. Create bespoke UIs to suit user profiles, machine configuration or application; connect print system components, and optimise your print system.

Developed with Microsoft Visual Studio .NET platform, GIS SDKs provide, for example, C# source code and project files.

Atlas Professional SDK

Design and configure your own UI with access to:

- Enhance, modify and change functionality
- Add branding, change icons, fonts, colours
- Create new UI tools for one complete system

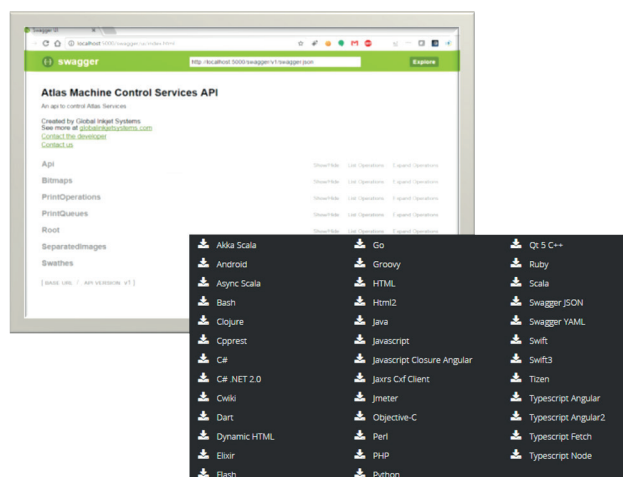


Example customised UI

Atlas Server SDK

Design and configure your own Server components:

- Create drivers for any sub-systems
- Use existing Server platform technology
- Modify and enhance Server components



Why Choose Atlas

Seamless Customer Experience

A single open platform for many user levels, supporting scanning, single pass, direct-to-shape, 3D & custom applications

Flexibility

Freedom to configure and modify existing Atlas software components combined with the ability to include your own or 3rd party software functionality

Enhanced Value

Include only the components that add value to you and your customers, avoiding unnecessary feature costs

Reduced Time to Market

Rapidly develop and deploy new product lines with targeted functionality, high productivity and proven reliability

Full Branding and Customisation

Take control of your customer-facing user interface by adding your own company branding, colour scheme and look and feel. Create targeted user profile interfaces and tailor for your region with our language pack options