



## Atlas® User Interface and Machine Control Platform

### Atlas Software Platform

Atlas is a software platform for the rapid development of industrial inkjet user interface and machine control systems.

Atlas can control a complete machine or act as a component in larger systems. Its unique modular and open design allows you to customise, as well as to integrate additional tools to enable a quicker route to market for your product.

Developed by GIS using the latest Microsoft .NET platforms, Atlas comprises a flexible User Interface Platform (UIP), as well as Machine Control Services (MCS), a powerful server technology for managing the entire printing and sub-system process.



### Comprehensive Software Platform

- Software for end users, machine development, commissioning and support
- Single platform to cover many products
- Supports scanning, single pass, direct-to-shape and custom applications

### Brand and Customise

- Fully customisable user interface - including fonts, icons, colours and branding
- Easy-to-implement language localisation
- Complete GUI control with the ability to create tools
- Integrate with third party software

### Quick Route to Market

- Rapidly develop user interfaces using production-ready components
- Enhance, restrict and customise components for your application
- Compatible with existing software / system platforms

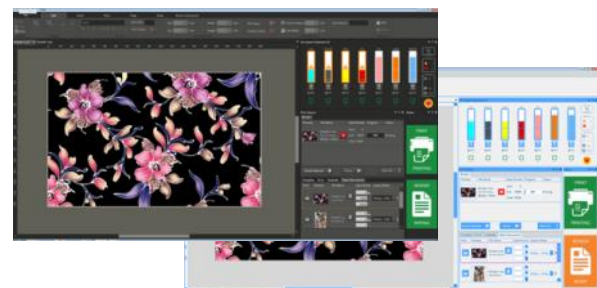
### Print Systems Integration

Easily integrate sub-system components including:

- PLCs, heaters, dryers, UV curing
- Automation, motion, transport
- Vision, monitoring, verification
- Ink delivery / cleaning systems
- Datapath / electronics
- RIP & Workflow (PDF-VT, variable data)

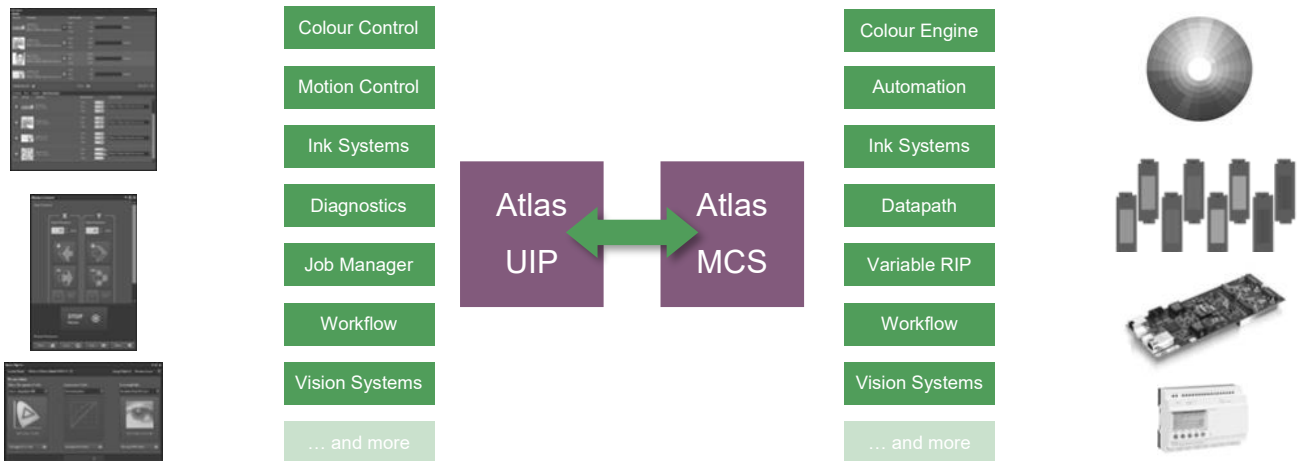


Kiosk UI



Windowed UI

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## User Interface Platform (UIP)

Modular UI design supplied with two different interface options for component display:

- **Windowed UI** - shipped as standard, provides highly flexible control
- **Kiosk UI** - available as an optional extra, provides a more controlled and limited interface for different operator levels

## UIP Software Development Kit

The UIP offers extensive customisation options through a variety of Software Development Kit (SDK) components. Once licenced, this allows bespoke tailoring with the ability to:

- Enhance, modify and change functionality
- Add branding, change icons, fonts, colours
- Create new user interface tools to create one complete system



- Microsoft Visual Studio
- .NET platform
- Example C# source code & project files
- MVVM (MVC) structure
- Full documentation

## Machine Control Services (MCS)

The Atlas MCS is a configurable software platform for controlling industrial inkjet machines and their sub-systems. It is designed to work with Atlas UIP, as well as third-party software.

This powerful new tool allows access to standard protocols for converting images to swathes - as well as providing the driver behind print queues, transport elements - and much more.

## MCS Software Development Kit

MCS offers a full Software Development Kit (SDK) for the creation of new MCS components:

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

## MCS Application Programming Interface

- Supplied with industry-standard HTTP 2.0 RESTful API
- Accessible using the open-source 'Swagger' framework interface on a standard browser
- Client source code and project files available for a large number of languages, including: C#, C# .NET 2.0, C++, Python and many more

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