

Automotive Industrial Inkjet Applications

Printing and coating onto complex shapes

Using inkjet technology for directly coating or applying graphics to automotive parts printing can open up new markets, simplify production processes and reduce cost.

The precise drop placement of inkjet printing means that processes can be simplified, and material use reduced. Imagine no need for manual application of masking tape; costly and time-consuming setup can be eliminated.

Inkjet uses drop-on-demand control, which means that it can print exactly the areas intended for printing or coating. Customised or even personalised graphics are economically viable, while hard coat overspray wastage is dramatically reduced.



GIS inkjet technology partner

- Expert in direct-to-shape printing using inkjet technology
- Inkjet subsystem supplier - all essential software, drive electronics and fluid system components with industry-proven performance and reliability
- Software provider - Atlas® Direct-to-Shape Studio for optimised coating or decoration of complex shapes
- Development partner - expertise and partnerships to bring your project to fruition

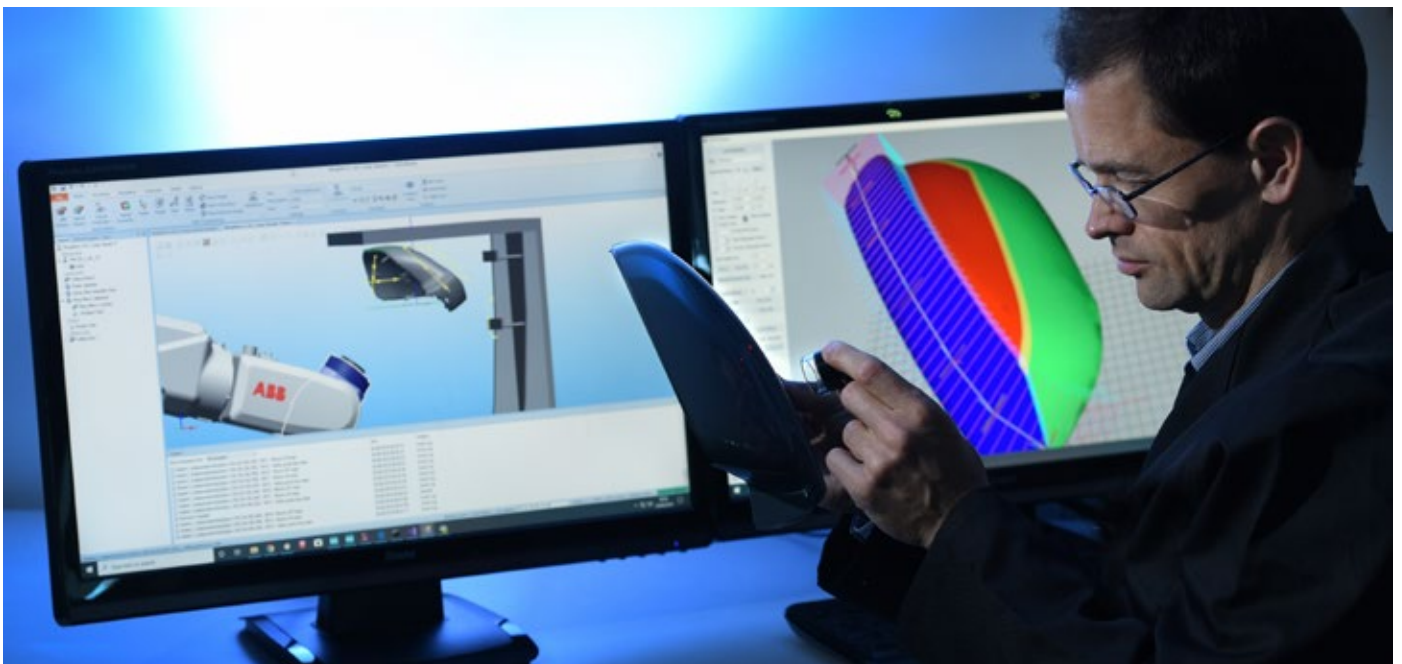


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GIS Atlas® Direct-to-Shape Studio - complex shape inkjet printing software

To coat or decorate complex parts, GIS has developed the Atlas Direct-to-Shape (DTS) Studio, which enables you to use inkjet efficiently and accurately to apply protective hard coats or full-colour graphics to vehicle components.

Atlas DTS Studio includes many different tools, including Print Path Designer to define how the object will be printed or coated; and Digital Mask Editor to specify masking to specific areas of the shape for selective coverage, while protecting areas that must not be printed. The Atlas DTS Studio software includes drivers to export print and transport data to the inkjet printhead and robotic handling systems. The software can also be used with either the shapes or the printheads mounted onto the robot arm or other handling device so component size is not a limiting factor.



GIS innovation partner

Working with your chosen integrator or by introducing you to a suitable integrator, GIS can enable the integration of inkjet into your production process. With over 14 years of inkjet experience, GIS has assisted manufacturers from a wide range of industries to benefit from the capabilities and flexibility of industrial inkjet printing. With proprietary software, electronics, and fluid systems, GIS is the leading complete solution provider for industrial inkjet sub-systems.

For more information on how inkjet can be integrated into your production environment,
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