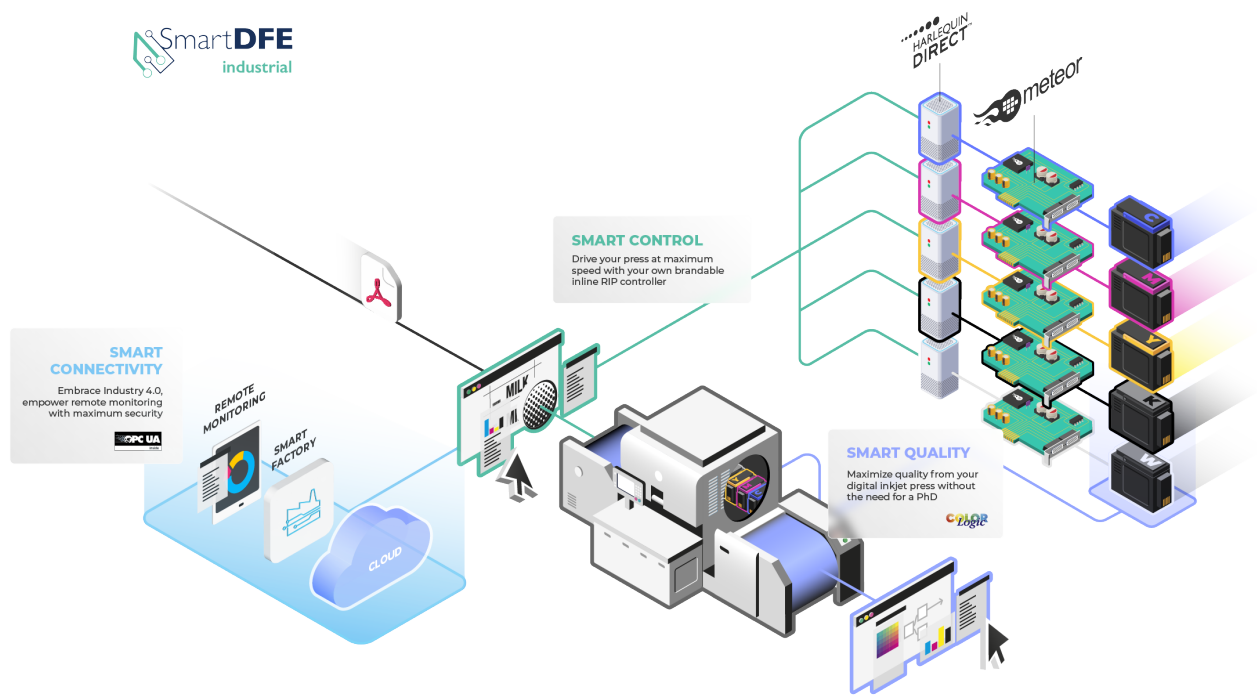# SmartDFE industrial

SmartDFE Industrial™ is a software component built for single-pass inkjet printing in industrial settings. It integrates smoothly with factory control systems using the OPC UA interface. This makes adding an inkjet printing station to a factory as straightforward as adding any other industrial component. SmartDFE brings together a range of proven and cutting-edge components, all backed by over 30 years of experience in printing.

SmartDFE Industrial Components

SmartDFE Industrial Components	SmartDFE industrial
Smart Control™ (including Harlequin Direct™)	●
Smart Quality™	●
Smart Connectivity™	●
Smart Performance™	●
SmartQI™	●
ColorLogic Inside	●
PrintFlat™	◐
Meteor Ready	●

● Included as standard   ◐ Included with all variants apart from "Static"   ▲ Optional purchase

GLOBAL GRAPHICS® software

Features and benefits

Smart Control

- Drive your press at maximum speed with your own brandable inline RIP controller
- Press Operator's controller
- Full, brandable front end
- Harlequin Direct at Heart: designed to drive the fastest, widest and highest resolution inkjet devices• Full variable data streamed directly to the device electronics
- Instant printing, no need to RIP ahead
- Easily scalable with extended gamut and special colors

Smart Connectivity

- Integrate into your own front end and connect to Industry 4.0 (OPC UA)
- Create or integrate using most development languages
- Integrate into the wider factory and SCADA systems
- Collect securely to the Cloud and remote monitoring systems

Smart Quality

- Enable your customer's press operators to achieve the best quality without the need for a print PhD
- Create a library of predefined media definitions describing all the settings needed for perfect color and quality
- Supercharged by ScreenPro™ with advanced inkjet-specific screens and custom screen design service
- Powered by the award-winning PrintFlat™ technology, taking inkjet quality to the next level
- Enhanced with industry-leading color tools with ColorLogic Inside

SmartQI

- Stream data directly to industry-standard inline quality inspection systems
- Areas of interest highlighted (eg labels, variable data)
- Generates color-managed RGB raster data for every page

Four Variants

- **Static:** A single PC running all the software and generating a static raster which will be printed many times
- **Standard Data Rate (SDR):** (Up to 3GB/s) Designed for less demanding variable data, lower resolution, narrower and lower speed presses
- **High Data Rate (HDR):** (Between 3GB/s and 18 GB/s) Designed for most common variable data and mainstream press capabilities
- **Ultra-High Data Rate (UHDR):** (Above 18 GB/s) Designed to produce the huge amounts of data generated by fully variable data on the fastest, highest resolution, widest and best quality inkjet printing presses

BreakThrough Service

- Add our engineers to your engineering team to get you shipping sooner
- Break through any barrier slowing your route to market
- Buy a block of days which is 100% recoverable against licenses as soon as you ship, making the service effectively free.

Licensing and localization

- SmartDFE licenses against a single printing device using the OEMs own security and licensing system. SmartDFE has been built to be easily localized by the OEM
- Pantone enablement: Any enablement of Pantone® Color Data and/or Color Data Libraries within the Licensee's OEM products shall only be permitted for Licensees who have entered into separate and distinct Pantone License Agreements directly with Pantone LLC.

GLOBAL GRAPHICS® software