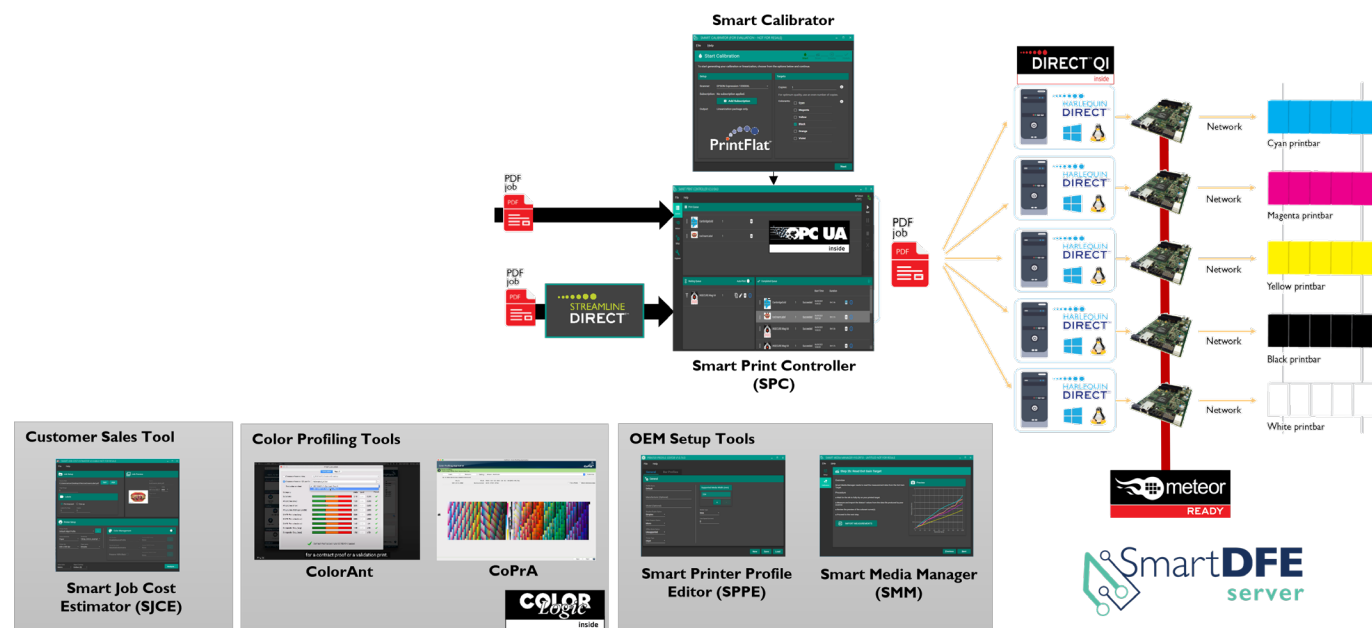


Designed to be the heart of a fully automated manufacturing system, the SmartDFE will transform the role of the digital press in the smart print factory of the future. Beginning with label and packaging, the SmartDFE brings together in one powerful solution the creation of optimized print-ready PDF files; workflow and job automation to

connect with enterprise IT systems; RIPping; screening; optimized image quality; and, via Harlequin Direct™, it drives the print data directly to the printheads at blistering speeds through Meteor Inkjet's software and electronics, or through Xitron's Navigator DFE platform.



A smart factory needs a smart digital front end (DFE)

Designed to be the heart of a fully automated manufacturing system
 Co-developed by all the companies in the Hybrid Software Group
 Next generation of SmartDFE delivered at the same price point as existing DFEs



Global Graphics Software Inc
 5996 Clark Center Avenue
 Sarasota, FL 34238
 United States of America
 Tel: +1(941)925-1303

Global Graphics Software Ltd
 Building 2030
 Camboume Business Park
 Camboume, Cambridge
 CB23 6DW UK
 Tel: +44 (0)1954 283100

Global Graphics KK
 610 AIOS Nagatacho Bldg.
 2-17-17 Nagatacho, Chiyoda-ku,
 Tokyo 100-0014
 Japan
 Tel: +81-3-6273-3198

www.globalgraphics.com

SmartDFE, Harlequin Direct, Direct and Direct QI are trademarks of Global Graphics Software Limited which may be registered in certain jurisdictions. Global Graphics Software is a registered trademark of Hybrid Software Group. All other brand and product names are the registered trademarks or trademarks of their respective owners. Global Graphics makes no warranty and accepts no liability for any loss or damage arising from the use of information or particulars in this document. Copyright © 2022 Global Graphics Software Limited. All rights reserved.

Oct 2022 v1

SmartDFE

INDUSTRIAL USES OF INKJET



INKJET IN INDUSTRIAL PROCESSES



Dutch robot manufacturer XYREC uses inkjet technology to print a large image on an Airbus A320 fuselage.

Copyright © XYREC IP BV



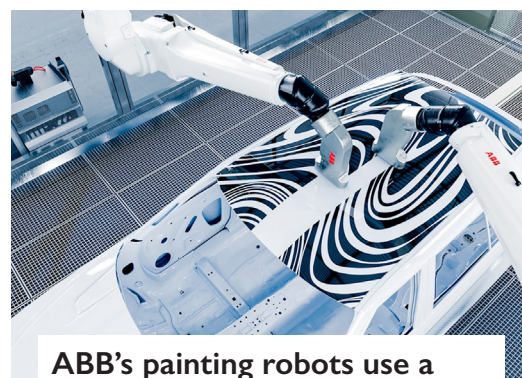
Xaar's ceramics printhead portfolio enables tile manufacturers to replicate natural materials and produce highly creative tiles.

Copyright © Xaar Plc



Aroja Xorfex s.r.o. uses its digital inkjet apanel technology to print over 100,000 custom designs onto garage doors.

Copyright © Aroja Xorfex s.r.o.



ABB's painting robots use a special printer head to enable mass customization vehicle finishes at half the usual cycle time.

Copyright © ABB Group



Turkish printer Jetron uses its D2Shape CT series digital printing system to print directly onto cylindrical cans, buckets, tubes and cartridges.

Copyright © JETRON MAKİNE SAN. ve TİC. A.Ş



Producing meat substitutes is now possible through 3D/ additive manufacturing, offering a more environmentally friendly choice to meat.



Xaar's printheads are used in 3D / additive manufacturing processes.

Copyright © Xaar Plc



Xaar's printheads are used to print patterns or images directly onto laminate boards or paper used to produce flooring, furniture and panels.

Copyright © Xaar Plc



Digital inkjet enables the use of different ink types, including solvent-based and UV curable inks. Here, Xaar's printheads print directly onto metal.

Copyright © Xaar Plc



Digital inkjet can be part of packaging printing processes, printing high-quality bar codes, serial numbers and product codes at the time of manufacture.

Copyright © Xaar Plc



Forest Digital is leading the way in digital textile printing, producing custom fabrics, homeware and accessories as well as high-end fashion brands.

Copyright © Forest Digital

For more information visit: www.globalgraphics.com/smartdfe