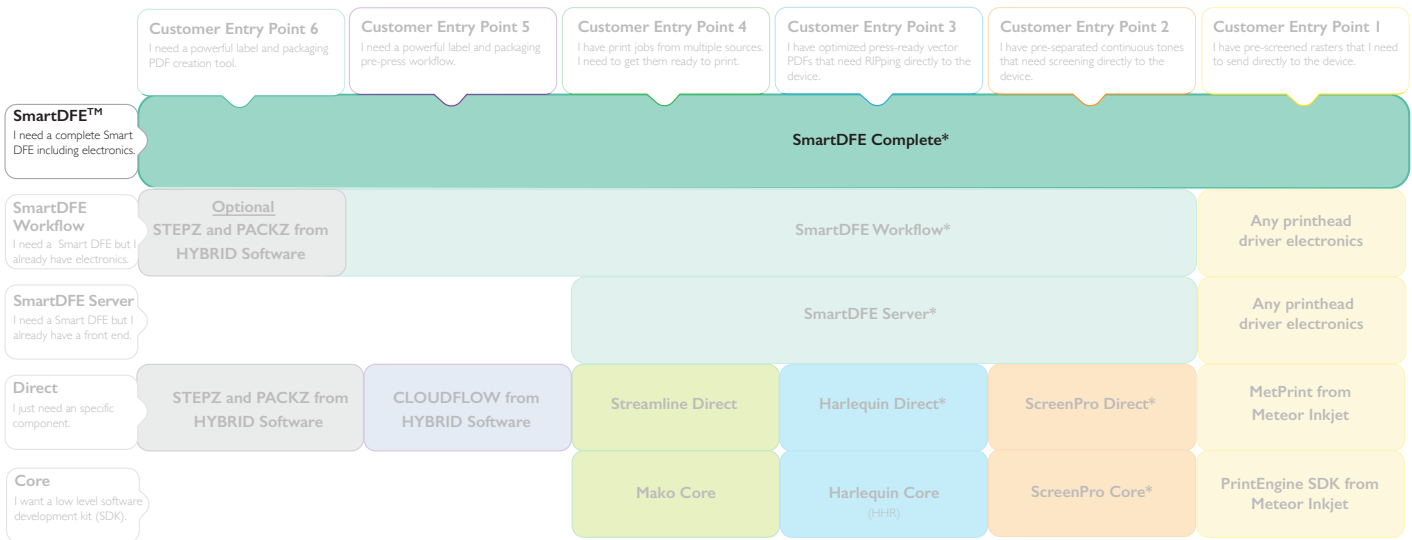




The **complete** software and printhead electronics stack for high-speed, single-pass, label and packaging inkjet presses. Connected via OPC UA to the wider factory and designed to run fully variable jobs continuously 24/7, enabling predictive maintenance and Industry 4.0. Delivered as a collection of innovative and market-proven components that enable your engineering team to get to market quickly whilst giving them the space and capability to add their own value.



### SmartDFE Complete Components

SmartDFE Components	SmartDFE complete	SmartDFE workflow	SmartDFE server
Smart Print Controller™	●	●	●
SmartMedia™	●	●	●
Smart Print Profile Editor™	●	●	●
Smart Job Cost Estimator™	●	●	●
Direct QI™	●	●	●
PrintFlat™	●	●	●
Harlequin Direct™	●	●	●
CoPrA™ and ColorAnt™	●	●	●
Streamline Direct™	●	●	●
CLOUDFLOW® Mars App	●	●	
STEPZ®	◐		
Meteor Datapath	●		

● Included as standard

◐ Included with all variants apart from "Static"

## Features and benefits

<p><b>Smart Job Creation and Business Software</b></p> <p><b>HYBRID Software Inside (STEPZ®) Smart Job creations:</b></p> <ul style="list-style-type: none"> <li>• Designed for Labels &amp; Packaging</li> <li>• All-in-one solution for prepress and VDP – based on PDF</li> <li>• Optimized PDF creation for on-the-fly printing at full speed</li> <li>• Define templates for dynamic document design</li> <li>• Export die cut for toolmarking</li> </ul> <p><b>HYBRID Software Inside (CLOUDFLOW®):</b></p> <ul style="list-style-type: none"> <li>• Advanced workflow using the full HYBRID Software CLOUDFLOW product</li> <li>• Support for Management Information Systems (MIS)</li> <li>• Advanced workflow designer</li> <li>• Variable Data expansion</li> <li>• Multiple printer control</li> <li>• Cloud front end</li> </ul> <p><b>Smart Job Cost Estimation software</b></p> <ul style="list-style-type: none"> <li>• Equip your customer's sales team with the most accurate job estimation software</li> </ul> <p><b>Smart Print Controller</b></p> <ul style="list-style-type: none"> <li>• Press Operator's controller</li> <li>• Full, brandable front end supplied as C# source code so that you can add your own value             <ul style="list-style-type: none"> <li>• Write your own user interface within weeks using the OPC UA API</li> <li>• Industry 4.0 enabled to connect with smart manufacturing and cloud data services</li> </ul> </li> </ul>	<p><b>SmartMedia Inside:</b></p> <ul style="list-style-type: none"> <li>• Create a library of predefined media definitions describing all the settings needed to get perfect color and quality</li> <li>• Enable your customers to achieve the best quality without the need for print specialists</li> <li>• Powered by the award-winning PrintFlat technology taking inkjet quality to the next level</li> <li>• Enhanced with industry-leading color tools from ColorLogic</li> </ul> <p><b>Direct Inside (Harlequin Direct):</b></p> <ul style="list-style-type: none"> <li>• Harlequin at Heart: designed to drive the fastest, widest and highest resolution inkjet devices</li> <li>• Full variable data streamed directly to the device electronics</li> <li>• Instant printing, no need to RIP ahead</li> <li>• Supercharged by ScreenPro™ with advanced inkjet-specific screens and custom screen design service</li> <li>• Stream data directly to inline inspection systems using Direct QI</li> <li>• Easily scalable with extended gamut and special colors</li> <li>• Near real-time quality adjustment based on camera system feedback. No need to stop the device</li> </ul> <p><b>Direct Inside (Streamline Direct):</b></p> <ul style="list-style-type: none"> <li>• Estimate the achievable line speed before committing to run a job</li> <li>• Optimize the job to achieve a higher line speed</li> <li>• Intelligently configure the system for each job</li> <li>• Convert formats to optimized PDF including (IJPDS and PPM) L</li> </ul>	<p><b>Meteor Inside:</b></p> <ul style="list-style-type: none"> <li>• Powerful printhead-independent drive electronics</li> <li>• Choose the right inkjet printheads for your application</li> <li>• Change your mind about inkjet printheads with minimal risk</li> <li>• NozzleFix™ technology, keeps the printer printing</li> <li>• Complete range of industrial inkjet print heads supported</li> <li>• Simulate output before you are ready - saving ink, media and production time</li> </ul> <p><b>Four Variants</b></p> <ul style="list-style-type: none"> <li>• <b>Static:</b> A single PC running all the software and generating a static raster which will be printed many times</li> <li>• <b>Standard Data Rate (SDR):</b> (up to 3GB/s) Designed for less demanding variable data, lower resolution, narrower and lower speed presses</li> <li>• <b>High Data Rate (HDR):</b> Between 3GB/s and 18 GB/s Designed for most common variable data and mainstream press capabilities</li> <li>• <b>Ultra-High Data Rate (UHDR):</b> 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</li> </ul> <p><b>BreakThrough Service</b></p> <ul style="list-style-type: none"> <li>• Add our engineers and scientists to your engineering team to get you shipping sooner</li> <li>• Break through any barrier slowing your route to market</li> <li>• Buy a block of days which is 100% recoverable against licenses as soon as you ship, making the service effectively free</li> </ul>
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**Sign up to evaluate**  
[info@globalgraphics.com](mailto:info@globalgraphics.com)

[www.globalgraphics.com](http://www.globalgraphics.com)

**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: +81-3-6273-3740