

## NEWS RELEASE

### HUNKELER INNOVATIONDAYS

February 20 – 23, 2017, Lucerne Messe, Switzerland

#HID17

## INNOVATION HELPS SINGLE-PASS INKJET PRESSES ACHIEVE HIGH QUALITY AT HIGH SPEED

**Cambridge, January 25, 2017:** Harlequin® ScreenPro, the innovative screening technology that allows single-pass inkjet presses to achieve significantly better print quality, and a new engineering service, BreakThrough, will be highlighted by Global Graphics Software at Hunkeler Innovationdays 2017.

Harlequin® ScreenPro significantly improves the printed quality of photographs and similar image types, especially in graduations, anything that requires a full range of tonality, and problematic colors such as olive green or russet. It varies the ink droplet patterns on media, helping to avoid over-inking, mottling and streaking - problems that are frustrating many press manufacturers. The technology is the result of extensive research and sees technicians measure test prints from single-pass inkjet presses with grayscale heads or multiple nozzle bars and process the results through Global Graphics' Digital Print Quality Optimizer tool. This calculates optimized patterning and overlaps for the various ink drop sizes available to overcome common high-speed inkjet press problems. Global Graphics measures the printing characteristics of the press and calculates optimal changes in the dot patterning. These mitigate the effect of drops straying in flight from their aim points and possibly then spreading and coalescing on the substrate before they can be cured.

Global Graphics has published a white paper that addresses the quality challenges associated with high-speed grayscale presses and explains how Harlequin® ScreenPro works to mitigate the quality variables. This white paper, "Halftone Screen Optimization for Single-Pass Inkjets," can be downloaded from the Global Graphics website at [www.globalgraphics.com/screening-optimizer-white-paper](http://www.globalgraphics.com/screening-optimizer-white-paper).

### Overcome technical challenges with the help of BreakThrough

Global Graphics will also be highlighting BreakThrough, a new engineering service offered by the company's experts in color, screening and RIPs to help you bring presses to market quickly. The Global Graphics' BreakThrough team works side by side with the manufacturer to create a solution that is truly customized to their press and its operating environment. In doing so Global Graphics gives the manufacturer access to its tools through its unique pool of print scientists and engineers with decades of specialist knowledge exactly when they need them. Some of the solutions the

company is working on include cross head calibration, clustering and chaining on output, ink estimation and controlling the beta test environment. For more information, a brochure is available from the Global Graphics website:

[http://www.globalgraphics.com/application/files/6414/7748/8729/Fundamentals\\_Factsheets\\_BreakThrough.pdf](http://www.globalgraphics.com/application/files/6414/7748/8729/Fundamentals_Factsheets_BreakThrough.pdf)

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### **About Global Graphics**

Global Graphics (Euronext: GLOG) is a leading developer of software platforms for digital printing, digital document and PDF applications, including the Harlequin RIP. Customers include HP, Quark, Canon, Delphax, Roland and Global Inkjet Systems. [The roots of the company go back to 1986](#) and to the iconic university town of Cambridge, and, today the majority of the R&D team is still based near here. There are also [offices near Boston, Massachusetts and in Tokyo](#). Additional information is available at <http://www.globalgraphics.com>

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#HarlequinRIP

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