



## NEWS

### *For immediate release*

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## **GLOBAL GRAPHICS LAUNCHES MAJOR ENHANCEMENTS TO ITS MARKET LEADING JAWS RIP**

### **Improvements to image handling for greater color correction control, and, native PDF 1.5 compatibility**

**Cambridge, UK and Centreville US; 8 June, 2005:** With new features for vastly improved control over color correction, and native compatibility with PDF 1.5, the latest version of the technology inside some of the print industry's best known software applications for wide format printing, proofing and digital imaging, Global Graphics' Jaws® RIP, is available to developers from today.

Since its launch in 1990, adoption of the Jaws RIP by the wide format and digital imaging market has steadily increased. Among many applications, the Jaws RIP is integrated into the ColorBurst RIP; Onyx's RIPCenter, Postershop and ProductionHouse products; and, GMG's ColorProof, DotProof, and FlexoProof.

The Jaws RIP is a kernel interpreter supplied as a software development kit, and with a highly developed Application Programming Interface (API), around which software developers can wrap layers of functionality to create custom solutions for their market segments. Its small footprint and flexibility make it ideal for embedding into software applications.

"Because of its flexible device class interface, two different customers, both working with the Jaws RIP can easily develop unique products that address the needs of entirely different market areas," observes Dan Woodford, Global Graphics' Jaws RIP product manager. "The main strengths of the Jaws RIP have always been it's flexibility, portability, and reliability. This new release is focused on building on these strengths, allowing OEMs to build best of class RIPs, document management tools, and other PDL related applications around Jaws.

"Native PDF 1.5 interpretation was a key requirement from our customers in the wide format and digital print markets, as well as the document management and graphics arts applications markets.

16-bit rendering will allow OEMs to deliver better quality color fidelity in the increasingly competitive fine art and digital photo markets. The new, customizable file system feature adds yet more flexibility for our embedded and applications OEMs and is a prime example of sophisticated engineering allowing maximum portability for Jaws and development potential for our customers.”

New features introduced from today include:

**PDF 1.5 compatibility:** the new release of the Jaws RIP provides support for PDF 1.5 interpretation including: rendering **16-bit images** for accurate color; **JPEG2000** for improved image compression; support for **multiple encryptions**, and Optional Content and additional **Unicode CMaps**. The new release maintains its predecessors’ ability to process PDF files natively without the need to convert to PostScript first, resulting in fast and accurate rendering.

**16-bit rendering for improved color handling:** the Jaws RIP is designed to allow OEMs to use third-party add-on technology that best fits their products and markets. This includes choice of color management modules. The new release extends existing functionality within Jaws that allows OEMs to better handle CIE-Based images and other colors. This, combined with support for 16bit image interpretation and rendering, enables OEMs to improve their color management solutions in order to achieve greater levels of color fidelity, a critical requirement for the wide format inkjet market.’

The PostScript® Language Level 3 compatible Jaws interpreter is designed to run on a wide variety of different platforms and operating systems. Developers get full access to the graphics pipeline via the unique Jaws “device class interface” and can implement a wide variety for features such as custom screening, image enhancement algorithms and color management. The “example Jaws device drivers” provide the interface between the rasterizer and the output device, be it an interface card, disk file or printer controller.

Information about specific Jaws RIP implementations can be obtained direct from Global Graphics customers listed at [http://www.globalgraphics.com/purchase/jaws\\_rip.html](http://www.globalgraphics.com/purchase/jaws_rip.html)

Global Graphics is at the forefront of emerging standards and technology. The Company has extensive expertise in Page Description Languages and has been working with PostScript® since 1986 and with the Portable Document Format (PDF) since it was introduced in 1993. The company plays an active role on industry standards committees and has an extensive patent portfolio touching many areas of printing technology. Global Graphics’ broad technology portfolio includes: Raster Image Processors (RIPs) that convert text and images into printable form; software for document conversion and manipulation; and, components for digital workflows and color management. Its flagship brands include Harlequin® and Jaws®.

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## Notes to editors:

### RIP technology from Global Graphics

Global Graphics has been at the forefront of high-performance, open architecture RIP technology since 1989. The **Harlequin** RIP is a powerful, fully featured RIP used in demanding high-speed, environments for pre-press solutions, production and workflow. It is capable of driving over 100 different output devices and is used in the commercial printing and newspaper markets and to drive digital presses in the fast growing Print on Demand segment. The **Jaws** RIP is a compact and efficient 'kernel' interpreter that is embedded within software applications and onto controller boards inside printing devices. It is used extensively for applications that drive the wide and grand format inkjet printers found in poster print shops and for file format conversion.

### About Global Graphics

Global Graphics Software (<http://www.globalgraphics.com>) is the technology expert for open document and print solutions committed to the continuous development of industry standards. It is a leading developer and supplier of sophisticated high performance RIPs, PDF document, workflow and color solutions mostly to a customer base of Independent Hardware Vendors, system integrators, software developers and resellers. These partners include the world's leading vendors of digital pre-press systems, large-format color printers, color proofing systems, copiers and printers for the corporate and SOHO markets and software applications. Jaws PDF creation tools have been developed since the format's inception in 1994. Global Graphics Software is a subsidiary of Global Graphics S.A. (Euronext:GLOG)

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