



NEWS RELEASE
For immediate release

KOREAN MARKET LEADER SINDOH SHIPS NEW OFFICE PRINTERS WITH HARLEQUIN

Cambridge UK, 24 August 2016:— [Global Graphics'](#) embedded Harlequin RIP® has been chosen by Korean manufacturer Sindoh for a new range of multi-function office printers (MFPs) that will be sold in Korea, China, South Africa and the Middle East, with expansion into the European market already underway.

Sindoh is a total business solution enterprise that builds MFPs, copiers and software solutions to create a better office environment, is the dominant player in Korea and has plans for global expansion since establishing itself in the United States in 2012. Global Graphics is the developer of the [Harlequin](#)® RIP engine that provides high-performance rendering of page description languages for a wide range of printing devices from single function office printers to the latest generation of high-volume inkjet devices.

Models in Sindoh's N400 and N600 mono series combine scanning, fax, mobile printing from Air print, NFC and Android mobile scan/print with either a 5 inch or 9 inch touch panel. They print at speeds of up to 45 pages per minute and use Harlequin, the industry's highest performing renderer, to process page description languages (PDLs) including PCL XL, PCL 5e, PS, as well as PDF for direct printing. Global Graphics worked with its SoC (system on a chip) partner Marvell and Harlequin is embedded onto the Marvell 88PA6170 SoC designed for color and mono single function and multi-function printers that support scanning as well as multiple printing technologies.

Global Graphics provided URW++ font suites with the Harlequin RIP. All fonts are URW original designs and support the full Latin character complement. Additional fonts include character sets for Arabic and Hebrew.

ByoungBag Lee, Sindoh's CTO said, "Integrating the new PDL emulation of the latest Harlequin Embedded software into Sindoh's new A3 Mono MFP was undoubtedly a great decision. Sindoh is satisfied with Global Graphics' proactive technical support and the improved performance of version 4.2 of Harlequin Embedded software, which ultimately led to a successful development of an affordable high speed A3 MFP of 45ppm to our customers. In addition, Sindoh was able to benefit from the continued partnership between Marvell's SoC and Global Graphics' PDL-emulation, which enabled us to apply a globalized standard technology and to achieve a quality standard that meets Sindoh's expectations at a very competitive cost. Through close

technical collaboration with Sindoh's color printer / MFP product development with Global Graphics, we look forward to launching more competitive products in the future."

Justin Bailey, Global Graphics' VP of sales said, "We are delighted to count Sindoh among our customers and are pleased that they will benefit from the continual investments we make in our technology. Our ability to supply the industry's fastest renderer on the latest generation of SoC through our partnership with Marvell, plus a package of URW++ fonts makes us a very compelling proposition for printer manufacturers because they can achieve their goals for speed and quality and keep the cost of their bill of materials under control. We wish Sindoh well in their global expansion."

The embedded version of the Harlequin RIP is ported onto the embedded controller inside printing devices. Its architecture gives manufacturers flexibility and reduces their development costs and time to market.

Manufacturers can license one or any combination of page description languages - PCL 5C, PCL 5e, PCL 6, PS®, PDF and XPS – add their own or a third party's color management or screening, have a wide choice of font options, and achieve high-performance even with low resource usage. It supports a wide range of SoCs and development environments.

Ends

About Global Graphics

Global Graphics (Euronext: GLOG) is a leading developer of software platforms for digital printing, digital document and PDF applications. Customers include [HP, Canon, Kodak and Agfa](#). [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>

About Sindoh

Sindoh is increasing competitiveness in internal and external markets throughout the world with R&D, production and various customer orientated businesses. R&D employees are highly qualified researchers working across diverse fields such as mechanic, electric, electronic and chemical engineering to manage multiple projects.

Sindoh has global manufacturing facilities in South Korea, China and Vietnam. Production in South Korea totals 700,000 multi-function printers, 1,500 tons of toner and 3,000,000 OPC drums and two facilities in China produce 1,500,000 laser printers and 3,700,000 image cartridges and 4,500,000 PCBs.

Sindoh's major products have resulted in award winning major design awards such as the IF Product Design Award, the Red Dot Design Award in Germany, and the Good Design Award in the US, and also produce 1 million best seller Russian series have changed the expectation of office machine design and. Production of 1 million Russian Series shows the vertical integration.

Sindoh's sales and service field are increasing competitiveness throughout the world with 55 years of experience in domestic market via development of diverse solutions, the first industry which achieved CCM certification and future-based office consulting.

Starting with the establishment of China Sales Subsidiaries in 2010, Sales and service systems from Korea are currently being implement throughout Beijing, Shanghai, Shenzhen and Qingdao branches and had established US Branch in 2012 and planning to introduce Sindoh to more countries in the future. Sindoh's

vision is to become a global office-solution leading company that comes with continuous development of products and customer –oriented qualified service.

Additional information is available at <http://www.sindoh.com/index.do?uk=en>

Global Graphics, Harlequin, the Harlequin logo, the Harlequin RIP, are trademarks of Global Graphics Software Limited which may be registered in certain jurisdictions. Global Graphics is a trademark of Global Graphics S.E. which may be registered in certain jurisdictions. PostScript is a trademark of Adobe Systems Incorporated which may be registered in certain jurisdictions. All other brand and product names are the registered trademarks or trademarks of their respective owners.

Media contacts:

Jill Taylor, Corporate Communications Director
Global Graphics Software
Jill.taylor@globalgraphics.com
Tel +44 (0)1223 926489
US Tel: +1 978 631 0414
Skype: gg.jill.taylor

Paula Halpin, PR & Marketing Executive
Global Graphics Software
Paula.halpin@globalgraphics.com
Tel: +44 (0)1223 926017
US tel: +1 781 996 4201
Skype: gg.paula.halpin