

## Press Release

Gräfelfing, 11th April 2011

# UV drying from experts

**The Hönle Group is showcasing its broad product spectrum for the printing industry at the Northprint 2011**

As a first-time exhibitor at the **Northprint**, the Hönle Group will be presenting its broad product range of UV, UV LED and IR dryers for the printing industry in **Hall B, Stand B 308**, in Harrogate, UK, from 10th-12th May 2011.

The Hönle Group drying specialists, Hönle, Eltosch and PrintConcept, offer innovative drying solutions for almost every printing application. The product range includes approved products as well as ground-breaking new developments. "For over 30 years, we have been a reliable partner for the printing industry," says Keith Lane, Managing Director of Hönle UK. "We are always at the forefront of technology – and usually one step further. That's because research and development have always been our top priority."

This fact is underscored by the more than comprehensive product range of the Hönle Group, which includes not only drying systems but also first class peripherals such as high quality UV lamps, reflectors, electronic power supplies and UV measurement devices.

Press Contact:  
**Catherine Gettert**

phone: +49 (0)89 8 56 08-170  
catherine.gettert@hoenle.de  
Lochhamer Schlag 1  
82166 Gräfelfing

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### **Dr. Hönle AG – UV and UV LED dryers für the printing industry**

At Northprint, Dr. Hönle AG is exhibiting the successful, high performance **UVAPRINT** UV dryer. This compact dryer can be readily integrated in almost any production process and optimally dries inks and coatings even at high production speeds. UVAPRINT is an absolute all-rounder and is ideal for web and three-dimensional curing processes.

This is also true of the **pureUV**. Its patented reflector geometry effectively filters out undesirable IR irradiation. The pureUV unit achieves high intensity levels, enables printing on temperature-sensitive substrates and is conveniently compact in size. Its "Quick Change" cassette makes it particularly easy to handle.

In addition to presenting its conventional UV dryers, Hönle is introducing their latest developments in UV LED technology, above all the **LED Powerline**. This tried and tested, high performance array for pinning and final drying in printing applications has long had a solid presence in the market. The LED Powerline is available in wavelengths of 365/375/385/395/405 nm and can therefore be closely matched to any application. The length of the array is variable in 40-mm steps. Its small size and low weight allow the LED Powerline to be integrated into even the smallest spaces.

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### **Eltosch UV and IR/Hotair solutions for the sheet-fed offset**

The sheet-fed offset specialist of the group, Eltosch, is presenting its successful **Light Guide** UV module at the Northprint. An optimized reflector system and a unique design are at the core of this UV module's success. UV lamp power up to 240 W/cm offers the necessary power reserves for demanding curing tasks. With a radiation length of up to 2.400 mm, even the largest web widths are easy to handle.

The Light Guide UV module in combination with the Hönle EPS was granted the **BG certificate for "Energy-minimized drying"** in November 2009.

With more than 40 years of experience in IR/hot air drying systems for sheet-fed offset printing, Eltosch has long been known as a technology expert in this field. The directly heated **EcoDirect** and **EcoDirect smart** jets are ground-breaking developments in terms of power, drying performance and efficiency.

### **Drying under inert conditions – an effective variant of UV printing**

Another highly effective variant of UV printing is printing under inert conditions. With this technology, oxygen is displaced in the drying area by flushing the area with an inert gas, usually nitrogen. The presence of inert gas significantly reduces the amount of photoinitiator needed in UV inks and coatings. UV drying under inerted conditions promotes complete surface cross-linking, first rate print quality and higher production speeds. The use of inert gas not only enhances the

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effectiveness of printing but also saves energy since the required irradiation power is lower than in oxygenated environments. Incidentally, this is also beneficial when printing on temperature-sensitive substrates. Inquire about solutions for inerted UV drying at the Hönle Group's stand.

**Visit the Hönle Group at the Northprint, Hall B, Stand B308.**

### Show Contact:

Keith Lane  
Honle UV (UK) Ltd,  
The Business Centre,  
Kimpton Road,  
Luton, Bedfordshire.  
LU2 0SX

phone: + 44 (0) 1582 522 411

fax: + 44 (0) 1582 721 341

sales@honleuv.co.uk

www.hoenle.com

**About the Hönle Group:** In addition to the original parent company, UV systems specialist Dr. Hönle AG, the Hönle Group also comprises of the UV dryer specialists PrintConcept (web offset printing) and Eltosch (sheet feed offset printing). Further subsidiaries are Aladin GmbH (UV lamps), UV-Technik Speziallampen GmbH (UV/IR lamps) and the adhesives specialist Panacol. The German based Hönle Group has local subsidiaries in France, Spain, United Kingdom and the USA, a sales office in Italy and a representative office in China. The Hönle Group also has an extensive worldwide network of licensed sales and service partners.