hönle group

hönle uv technology

Head of Hönle Group

Press Release

Press Contact:
Catherine Gettert

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

Gräfelfing, 20th April 2010

UV technology of the Hönle Group – A plus for industry and environment

From the 18th to 25th May 2010, **IPEX** opens its doors in Birmingham. And of course, the **Hönle Group**´s printing specialists will be there: In **hall 17, stand C935** Hönle, Eltosch and PrintConcept will show their innovative and flexible curing solutions.

Hönle Group UV curing units contribute to Green Printing

The Hönle Group offers a wide range of UV curing units. As world wide accredited UV specialists the Hönle group is able to offer all standard- as well as tailor-made solutions for every sector of the printing industry. Naturally it is the group's ongoing focus to optimise their engineering developments – but also with regards to the compatibility of their products to the environment. The combinations of these aspects are demonstrated in our new developments and in the enhancement of already approved products.

Press Release

Press Contact:
Catherine Gettert

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

UV-LED Technology

Dr. Hönle AG offers a wide range of UV-LED products, which are highly efficient and an important step towards “green printing”.
At the IPEX 2010 Hönle will show the **LED Powerline**, a water-cooled high-performance array for intermediate curing (pinning) and final curing for ink jet printing. The lamp unit has a high intensity and can be controlled externally.

Minimising energy by the use of electronic power supplies

An additional method of minimising energy is the use of an electronic power supply (**EPS**) manufactured by Hönle. With a maximum power of 34kW the square-wave power output of the EPS causes a significantly greater UV yield for the same electrical power compared to the sinusoidal power output of a conventional transformer. This means that the use of a Hönle EPS leads to a significant increase of lamp efficiency at the same energy-consumption.

Because of the perfect interaction between a Hönle EPS and the **Light Guide** UV module made by Eltosch the group has already been awarded the **certificate for “energy-minimized curing”** by the German Employer´s Liability Insurance organization. This certificate is based on the results of extensive testing of the Eltosch UV module Light Guide, which proved that the Light Guide efficiency had been increased a further 20% compared to its already extremely effective forerunner.
The Hönle Group´s declared goal is to achieve this success in all its

Press Release

Press Contact:
Catherine Gettert

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

companies.

The *PC-Eco-Inert*: Inert UV Curing – an effective UV printing option

Another very effective option of UV printing is “Inert UV Curing”. In the inertion process the oxygen is displaced by an inert gas, usually nitrogen. With Inert UV Curing a significantly lower proportion of the photo-initiator within the UV inks and varnishes is required. Inert UV Curing enables complete cross-linking of the surface. This leads to a first-class printing quality and accelerates the manufacturing process.
Inert UV Curing increases printing efficiency – and saves energy, because less lamp power is required than in an oxygenated atmosphere. This is also an advantage for printing on temperature-sensitive substrates.

At the IPEX 2010 the Hönle Group will present an inert UV system for low-migration inks. The **PC-ECO-Inert** by PrintConcept guarantees excellent and rapid curing with extremely low nitrogen consumption. With its height adjustable inlet and process speed of up to 450 m/min the system is very user-friendly.
The PC-Eco-Inert combines well-engineered UV technology with the advantages of Inert UV Curing : a high level of cross-linking, almost no development of ozone and a significant reduction of migration and odor lead to a top quality end product with long life durability.

In addition to their **innovative UV curing units and systems** the Hönle Group will exhibit their approved **UV meters** and **lamps** from their own production. Furthermore visitors will be able to view the successful

Press Release

Press Contact:
Catherine Gettert

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

IR and hot-air curing systems manufactured by Eltosch.

Visit the Hönle Group at the IPEX 2010, hall 17, stand C935.

Contact: Keith Lane, phone: +44 (1582) 522 411, fax +44 (1582) 721 341, E-mail: sales@honleuv.co.uk

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