

Press Release

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Drying and Curing in Converting Processes

At ICE Europe 2023, hall A6, booth 736, four members of Hönle Group show their high-end products for UV curing and IR drying/heating in converting applications. Decades of experience and a unique range of products make the Hönle Group a reliable partner for drying solutions for the whole converting industry – from pilot plant to large-scale production unit.

UV specialist Hönle shows a choice of their **wide range of UV and LED-UV curing systems**. Amongst, the **UV modules [pureUV](#) and [LightGuide pureUV](#)**. Due to a specially developed reflector geometry, these UV units can reach a more than 50% higher peak intensity than comparable units. Optional barriers allow to absorb most of the IR radiation so that, even on temperature-sensitive substrates, inks, and varnishes can be cured quickly and efficiently. Their «quick-change»-technology allows a quick and easy exchange of the UV lamp.

The **LightGuide pureUV** is designed to be directly plugged into the printing or converting machine, whereas the pureUV owns a compact housing and, thus, can be flexibly installed in the sheet-run of the machine.

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LightGuide-modules are also used in [UV inert chambers](#), developed and produced by Hönle. A trendsetting solution is the installation of a UV-inert process chamber above a chilled drum. In addition to all known advantages of inertisation, this unique combination results in optimized temperature management of the web and reduces nitrogen consumption by about 10 %.

The customer's benefit: From the UV curing chamber over the UV unit to the control and chilling system – **at Hönle, you get all from one source.**

Furthermore, Hönle showcases trendsetting UV-LED curing units for the converting industry, for instance, UV-LED units of the product series LED Powerline, including the [LED Powerline Focus](#). The focusing optics generate a high intensity and optimize this powerful UV-LED system for greater distances to the substrate. The high intensity leads to extraordinary curing results even at high operating speeds. The modular design of the LED Powerline permits the switch-off of single segments so you can quickly adapt the module to different substrate widths.

The air-cooled high-performance module [jetCURE LED](#) is available with different LED assemblies and wavelengths up to a maximum intensity of 18.000 mW/cm². Due to this flexibility, you can match the system configuration precisely to the curing requirements of your application.

At ICE Europe, Dr. Hönle AG will share the booth with three of their subsidiaries:

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Whether conventional **UV curing** or **UV/LED-UV hybrid technology**, **PrintConcept** will show its high-end curing systems for printing and curing machines, also with nitrogen inerting. The nitrogen chamber can be retrofitted at any time and without major modifications.

The IR specialist of the company **Eltosch Grafix** presents the flexibly scalable **high-performance area module twinPOWER IR** for small and large working widths. You can equip the modules with short-wave, quick-reacting medium-wave, or NIR lamps.

New and trendsetting is the **NIR Powerline**, a NIR-LED module for drying and heating processes.

Technigraf offers flexible **conveyor systems** for laboratories and technical centers, which can be tailored specifically to the customer's application bandwidth and running speed requirements. The user can equip the units with various curing and drying technologies, such as LED-UV, UV, or IR.

In addition, Technigraf offers professional **UV and LED-UV measuring equipment** for manufacturing processes or laboratory use, both for static and continuous measurements.

Visit the Hönle Gruppe in Hall A6, booth 736.

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About Hönle Group: Besides the parent company, UV systems specialist Dr. Hönle AG (UV / UV-LED units and systems, professional lighting technology), the Hönle Group comprises several subsidiaries. In the field of printing/coating, there are sheet-fed offset specialist Eltosch Grafix (UV/LED-UV/IR/hot air dryers and peripheral units, i.e., ink fixation and powder systems), the UV specialist for web printing PrintConcept, Technigraf (LED-UV/UV/IR conveyor belt dryers and unique plant engineering) as well as coating expert GEPA (coatings systems, equipment).

The company group's glass division consists of quartz glass expert Raesch (customized quartz glass components) and uv-technik Speziallampen (IR and UV lamp manufacturing, power supplies, sensors). The Life Science Engineering companies Sterilsystems and UMEX develop UVC devices for air, water, and surface disinfection.

A further subsidiary is a specialist in industrial adhesives, Panacol.

The German-based Hönle Group owns local subsidiaries in China, Korea, France, the UK, Austria, Malta, and the USA and a sales office in Italy.

The company group has an extensive worldwide network of experienced sales and service partners.