

Press Release

Gräfelfing, January 23 2018

Huge variety of UV curing and drying systems

At LOPEC, hall B0, booth 213, Hönle show their drying technology for various applications in printed electronics.

If coating, sealing, printing or bonding – in each of this application fields choosing the right drying or curing technology is an important parameter for both, functionality and efficiency of the process. Here, the specialists of Dr. Hönle AG offer a wide range of UV, LED-UV and IR devices, which can be individually and perfectly be adapted to each application.

Hönle products are used for different coating and printing processes. For sheet-fed offset printing Hönle not only offer a variety of conventional UV curing units but also the new [LED Powerline Focus](#): By using a special focusing optics the irradiation intensity is kept almost constant even when the distance between LED device and substrate is changed.

With the [LED Powerline Flexo](#) Hönle engineers have developed a LED-UV unit for the special demands of flexo printing. It reaches intensities of up to 25.000mW/cm².

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Page 1 of 3

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Page 2 of 3

At LOPEC Hönle will also showcase members of their jetCURE product series for inkjet printing. Highlight is the new [jetCURE LED](#) with intensities up to 16.000mW/cm². This array allows modular (grid 82 mm) and continuously variable control.

For inkjet applications where water- or solvent-based inks or coatings have to be dried Hönle offer the [jetCURE IR](#). This sophisticated IR drying module comes in different variations: with or without hot air or as NIR-variant. Thus it can be used for a multitude of different applications

The compact LED-UV curing chamber [LED Cube 100](#) is mainly applied for producing components within electronics manufacturing processes. Here, it is especially used in the laboratory. Its emission spectrum can be adapted to each application by applying different LED-UV units.

Hönle has got a unique system competence at UV curing technology for bonding processes. The UV manufacturer offers a comprehensive range of LED-UV devices, including area and point sources.

The [LED Powerline AC / IC](#) convinces by high performance at a compact and lightweight design. It enables intensities of up to 8.000mW/cm².

The air-cooled high-performance LED-UV array with integrated control electronic can be perfectly matched to the adhesive. Fields of application are, for example, bonding and encapsulating electronic components, plugs and sensors.

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Page 3 of 3

The [bluepoint LED](#) is a powerful point source with intensities of up to 20.000mW/cm². It has got up to four LED-heads, which can be controlled separately. Thanks to its high intensity and the possibility to program complete process sequences it is possible to realize shortest cycle and machine throughput times especially in fully automated production lines.

The highly intensive flood unit LED Spot is available in two variants, as [LED Spot 100](#) and, brand-new, as [LED Spot 40](#). They differ in the size of their light aperture / irradiation area of 100 mm x 100 mm respectively 40 mm x 40 mm. In both cases, the irradiated area can be decisively enlarged by changing the distance between LED unit and substrate – always depending on the demanded intensity. For still larger areas, several LED Spots can be connected without gaps.

The LED Spot 40 offers an intensity of 7.500mW/cm² at a very compact design. With only 50 mm x 55 mm housing size it is possible to integrate it in even the smallest spaces.

All Hönle LED-UV units are available in the wavelengths 365, 385, 395, 405 and partly 460 nm and can thus be adapted to each application. Matching adhesives and sealants are supplied by [Panacol](#), another member of Hönle Group.

Visit us at LOPEC, hall B0, booth 213!