

## Press Release

Head of Hönle Group

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# LED-UV Curing Systems Tailored to Printing Machine and Application

**At Fespa Global Print in Munich from May 23 – 26, 2023, the UV experts from Dr. Hönle AG present their trendsetting LED-UV curing systems for inkjet printing.**

Show highlight will be the new **LED Powerline LC HV**. Unlike common 48 V DC systems this LED-UV curing unit is supplied with a voltage of 400 V DC to allow the usage of thin, drag chain suitable cables.

In addition to this important machine design aspect, LED Powerline LC HV offers more advantages: It reaches very high intensities for a fast and reliable curing of inks and coatings. LED Powerline LC HV is available in two versions which differ in the width of the light aperture and consequently in the irradiation intensity: At a wavelength of 385 nm and a width of 40 mm the module reaches up to 16.000 mW/cm<sup>2</sup>, at a width of 20 mm up to 25.000 mW/cm<sup>2</sup>. The length of the module can be adjusted to the application in 60 mm steps.

The special feature of LED Powerline LC HV: It offers a highly sophisticated format adjustment as it is not only possible to individually

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switch on and off single LED segments at the margin of the irradiation area but also in the middle.

Another advantage of Hönle LED-UV modules is the **integrated compressed air connection**. Via this connection, a slight overpressure is generated inside the curing unit. This prevents the deposition of colour-dust inside the system and thus protects electronics and enhances process stability.

At Fespa Hönle also show their **LED Powerline AC/IC HP**. This air-cooled LED-UV high performance curing unit with intensities up to 16.000 mW/cm<sup>2</sup> stands out by its compact design and light weight, including electronics. LED Powerline AC/IC HP is also available in two versions regarding performance and dimensions of the light aperture. For larger irradiation widths, several LED heads can be connected without any gaps.

Optionally, LED Powerline AC/IC is available with **LED powerdrive IC**. This control unit is equipped with a clear display for the setting of operating parameters and monitoring options at one glance.

**LED Powerline LC** is also featured at Fespa. It is a water-cooled high-performance LED-UV array. Thanks to its low weight and small size it can be integrated even into smallest spaces inside the printing machine. This well-trying LED-UV system is applied in a multitude of inkjet printing applications.

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With the LED Powerline LC as well as with the leaner version of LED Powerline AC/IC HP a quartz glass rod lens can be integrated to focus the UV irradiation on the substrate and reduce scatter to a minimum. This protects the print head and decisively increases process reliability.

**Visit us at Fespa Gobal Print in Munich, hall A2, booth A31.**

**Image: LED Powerline LC HV\_CMYK.tif**

**Capture:** *The new LED Powerline LC HV reaches very high intensities and offers a highly sophisticated format adjustment.*

**About Hönle:** Dr. Hönle AG, head of Hönle Group, is one of the world's leading suppliers for industrial UV technology. The UV specialist, who is noted on the stock exchange, develops, manufactures, and distributes UV/LED-UV units and systems, UV lamps and UV measuring equipment, worldwide. The systems are used for the cross-linking of photo-reactive substances, for disinfection, solar simulation and lighting.

For almost 50 years, the UV specialist Hönle has been very successful in developing curing and coating technology. The innovative Hönle UV and LED-UV systems can be easily integrated into various manufacturing processes where they achieve excellent results.

Hönle is ISO 9001 and ISO 14001 certified. All Hönle products bear the CE mark.