Press Release

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Drying and Curing Systems for Laboratory and Production

At the European Coatings Show 2019, Dr. Hönle AG shows UV, LED-UV and IR systems for an optimal curing / drying of varnishes, inks, adhesives and silicones at coating applications.

Various materials, web-shaped and 3-D substrates, coatings made of varnishes, inks, adhesives or silicones – as different coating applications may be, they have one in common: Drying with IR / hot air or LED-UV / UV technology is always the right choice. Dr. Hönle offers a comprehensive range of all these high-end drying systems.

To get a first-class result in an efficient coating process it is essential to previously match the curing system with the coating material. For this reason, Hönle offers their customers sophisticated individual guidance including pre-testing in the application laboratory.

Curing units for the laboratory and manual production

The Hönle product range includes reliable devices which are used in the laboratory and for manual production.

The **LED Cube 100** is a compact LED-UV irradiation chamber. The emission range is adjustable to various fields of application by employing

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different LED-units. The chamber's LED assembly as well as an electronic power control guarantee high intensities and a homogenous light distribution.

The flexible UV conveyor belt **ConVey II** is a must-have for developing varnishes, inks as well as adhesives and is also perfectly apt for simulating manufacturing processes. This table conveyor with a band width of 310 mm can be equipped with different technologies: According to the applications LED-UV, UV or IR systems can be integrated very easily.

Drying and curing systems for coating plants

Whereas IR drying and UV curing systems are already indispensable when it comes to coating processes, LED-UV curing is still in its beginnings but gaining more and more importance. Hönle offers drying and curing systems in all these technologies.

The **product series LED Powerline** is available in numerous versions. The LED Powerline can be perfectly matched to each application. It is offered in different wavelengths, with air or water cooling. Its design ranges from light and compact up to curing units > 2 m. Due to its modular design larger widths are possible.

A very successful member of this product line is **LED Powerline Focus**. It is optimized for distances > 50 mm to the substrate. The special focusing optics provides high intensities and leads to excellent curing results even at high printing speeds. Its modular design allows format shutdown

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and thus efficient curing on differently sized substrates. Hence, LED Powerline Focus can be used for a multitude of printing applications.

The high-performance curing units of the **jetCURE series** were specifically developed for inkjet printing applications. The new **jetCURE LED** is very effective in every respect. It is available in different wavelengths and offers high irradiation intensities for advanced and fast curing. Due to its modular design jetCURE LED can be adapted to any application.

Another member of the product family is **jetCURE IR**. This compact and powerful IR/hot air module has got an integrated extraction which exhausts the humid warm air from the drying zone. Different wavelengths can be generated by an easy exchange of the IR lamp.

An high-quality representative of conventional UV technology is the **LightGuide pureUV**. This compact, powerful and still energy-saving UV system guarantees fast and reliable curing of varnishes and inks on temperature-sensitive substrates. It reaches peak intensities which are 50% higher than those of comparable UV units – at a very low temperature load.
The LightGuide pure UV is **ideal for applications in inert atmosphere** and can hence be used for high-quality coatings e.g. for packaging or siliconizing.

Visit Hönle at the European Coatings Show 2019 in Hall 5, booth 243.