

Press Release

Head of Hönle Group

Press Contact:

Catherine Gettert
Phone: +49 (0)8105 2083-170
catherine.gettert@hoenle.de

Strong bond guaranteed

Product family LED Spot IC for reliable adhesive curing within seconds

Gilching, 1st August 2023 – The Dr. Hönle AG develops and manufactures UV technology for curing adhesives and casting compounds in a wide variety of production processes. At Bondexpo 2023, the focus is on the high-intensity LED-UV devices from the LED Spot IC product range.

As a pioneer in LED-UV curing of adhesives and casting compounds, Hönle offers a uniquely wide range of high-tech curing devices, which includes both point and area emitters. These can be individually adapted to customer requirements.

At Bondexpo 2023, the UV expert will present the LED Spot IC product family, which is mainly used for bonding, fixing, and potting of components in manufacturing processes of electronics, optics, and the medical technology industry, especially in fully automated production lines.

The **LED Spot IC curing devices** are compact flood curing systems with high intensities. They are available in wavelengths of 365, 385, 395, 405

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and 460 nm and can therefore be precisely tailored to the respective application. The arrangement of the LEDs and an electronic power control ensure a highly intensive and homogeneous light distribution. The result: fast and reliable curing. Thanks to LED failure detection and extensive monitoring functions, the LED Spots IC also guarantee maximum process reliability.

The members of the LED Spot IC family

Depending on the wavelength, the **LED Spot 100 HP IC** has intensities of up to 5,000 mW/cm². The square light aperture measures 100 x 100 mm. If larger areas are to be irradiated, several LED Spots 100 IC can be lined up in a modularly.

The **LED Spot 200 HP IC** also achieves intensities of up to 5,000 mW/cm². With a rectangular light aperture of 200 x 50 mm, it is the missing link between narrow line and square area curing units. It is also suitable for the modular juxtaposition of several devices.

With a light aperture of 40 x 40 mm, the **LED Spot 40 IC** is the smallest member of the family - with the greatest power. It enables very high intensities of up to 10,000 mW/cm². With its compact design, it is used where, for example, several adhesive spots need to be cured simultaneously or large diameters are to be irradiated for which LED point sources are no longer sufficient.

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All LED Spot IC curing devices are supplied and controlled either directly by an external power unit and the customer's PLC or by the optionally available **LED powerdrive IC**, in the development of which Hönle placed the highest priority on intuitive operation and customer friendliness.

Find out more about our LED-UV curing systems and about the matching adhesives and potting compounds from our subsidiary, the adhesives expert Panacol, and **visit us at Bondexpo, Hall 5, Stand 5417.**

About Hönle: The Dr. Hönle AG is a leading provider of industrial UV technology based in Gilching. With more than 600 employees, the Hönle Group develops innovative solutions for different areas of application.

One focus of the business activity is the development and sale of industrial adhesives and casting compounds. Devices for drying paint and varnish, curing adhesives and plastics, as well as for sterilizing air, water and surfaces and simulating sunlight are also manufactured. In addition, the group of companies produces UV lamps and products made of quartz glass, among other things for sterilization and drying processes.

The Hönle Group supplies technology and world market leaders worldwide and is represented in over 20 countries with its own companies and partner companies.

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