hönle group

hönle uv technology

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Press Release

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Compact and Powerful

With LED Powerline AC / IC Hönle develops a new UV-LED curing system which – in performance and irradiation width – can be adapted to any application.

UV specialist Hönle offers a wide range of UV and UV-LED curing devices which are used for electronics manufacturing throughout the world. At Productronica Hönle presents UV-LED curing systems for bonding and potting applications in electronics manufacturing processes.

Brand-new: the LED Powerline AC / IC. This air-cooled high-performance UV-LED array with integrated control electronics wins over by its compact and lightweight design. It can emit wavelengths 365/385/395/405 +/-10nm and can thus be perfectly matched to the substrate.

LED Powerline AC / IC is available in two versions which differ in performance and dimension of the light-emitting aperture. The first version irradiates an area of 78mm x 10mm, the second version 82mm x 20mm. For larger irradiation lengths LED Powerlines are stackable without gap.

In addition Hönle shows their **bluepoint LED eco**. This highly-intensive point source offers sophisticated technology: Up to four LED heads can be connected to the compact operating unit. If needed each of the heads can emit another wavelength: 365nm, 385nm or 405nm +/- 10nm. Also

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the irradiation time can be programmed individually for each LED head, their lenses are exchangeable.

A big seller is the LED Spot 100. With a maximum irradiation intensity of 1.000mW/cm² it is the perfect choice for a highly intensive and homogenous curing of large adhesive surfaces. The light-emitting aperture has the size 100mm x 100mm. For even larger irradiation areas also LED Spots 100 are stackable without gap.

The LED Cube 100 is a compact UV-LED irradiation chamber for use in the laboratory, for manual production and for small series. By employing different LED units the emission range is adjustable to various fields of application. The special LED assembly as well as an electronic power control guarantee a highly-intensive and homogenous light distribution inside the chamber. The recognition of LED-malfunction and a comprehensive monitoring function provide very high process stability.
The LED Cube 100 is air-cooled and has an intensity of up to 1.000mW/cm².

Hightech adhesives and potting compounds for electronics manufacturing offers Panacol-Elosol GmbH, a member of Hönle Group. Panacol adhesives and UV/UV-LED curing units by Hönle match perfectly for any bonding solution.

Visit us at Productronica, hall A4, stand 465.