

Press Release

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Page 1 of 2

Fast, safe and customized

At Medtec 2014 UV expert Hönle shows UV-LED curing systems for bonding applications in medical device assembly. Hönle is sharing stand with subsidiary and adhesive specialist Panacol.

Bonding is gaining more and more importance as a joining technology for medical devices. Most important is the perfect interaction between adhesive and curing unit as well as an exact adjustment to the particular bonding application. The high-tech products of Hönle can do both, which is a consequence of joint research and development with the worldwide renowned expert for industrial adhesives Panacol. In such close co-operation, bonding systems are developed, which are customized to any demand.

At Medtec 2014 Hönle shows their innovative UV-LED curing units for medical devices. First of all, their **bluepoint LED eco**, which is applied **for bonding medical disposables**, e.g. needle bonding. The highly intensive point source wins over by its well-engineered technology. Up to **four LED-heads can be connected** to the compact control unit. Each of them is able to emit different wavelengths, 365, 385 or 405 +/-10nm. Continuous operation is possible. Due to the size of the irradiation field the LED-heads are available with **different lenses**. However, the **chief attraction of bluepoint LED eco is its size and weight:**

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With 65 x 160 x 130mm the UV-LED point source weighs only 500 grams! Thus, it can be integrated into manufacturing plants which offer very little space. The high intensity of bluepoint LED eco – **up to 16.000 mW/cm²** – together with high-tech adhesives by Panacol allow a **complete curing in less than two seconds!**

Also ideal for medical device assembly is the LED Powerline. This high-performance array is available in all current UV-LED wave lengths, its length can be modified in 40mm-steps.

Another highlight at the Medtec is the **LED Cube 100.** This compact UV-LED irradiation chamber is applied for laboratory, manual or small-scale manufacturing processes. By employing different LED units, the emission range is adjustable to various fields of application. LED assembly and an electronic power supply guarantee **high intensity and homogenous light distribution inside the chamber.** The recognition of LED-malfunction and a comprehensive monitoring function provide very high process stability. LED Cube 100 is air-cooled and offers an intensity of up to 1.000 mW/cm².

All Hönle UV- and UV-LED curing units match perfectly with Panacol adhesives.

Visit us as Medtec 2014, hall A4, stand 465.