

Press information

Your contact:

Manuela Papadakis

Tel.: +49 6171 6202 532
manuela.papadakis@panacol.de
Daimlerstr. 8
61449 Steinbach/Taunus
Germany

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Bonding for Medical Systems: UV Technology Made in Germany

Modern NNDMAA-free adhesives and innovative UV LED technology

The globally active Höhle Group is a leading supplier of innovative UV technology. Its portfolio includes the industrial adhesives of adhesive specialists Panacol as well as perfectly matched UV and UV LED curing equipment from consolidation parent Höhle.

Panacol's state-of-the-art adhesives are also used in medical engineering, in particular the many UV- and UV LED-curing adhesives of the Vitralit® series. Tested to USP Class VI or ISO 10993, they are non-toxic and resistant to all common sterilisation methods (Gamma, ETO, steam). With curing times of only 0.5 to 60 seconds, Vitralit® adhesives offer excellent adhesion and outstanding gap-filing capability. New and unique on the market are the NNDMAA-free Vitralit® products, which add a new dimension to the already extensive list of outstanding properties of Panacol's medical engineering products.

UV and UV LED curing technology makes use of the reaction of light-sensitive ingredients in the adhesive. The advantages: exceptionally fast curing makes UV-curing adhesives ideal for processes with short cycle or processing times. They are, furthermore, environmentally safe, solvent-free and easy to dispense, as they do not need mixing and have no limited pot life.

Thanks to their low heat generation, UV LED lamps have a clear advantage when it comes to bonding temperature-sensitive substrates. In addition, UV LED lamps can be switched on and off any number of times and are therefore highly effective and energy-saving, specially in cyclic operation.

The perfect implementation of this technology is supplied by UV specialist Hönle with its globally renowned UV and UV LED curing devices. Whether UV hand lamps, UV/UV LED point sources or UV/UV LED flood lamps, Hönle has the right UV curing equipment for your specific needs.

In medical engineering the use of UV or UV LED technology is well established, for example for bonding syringes and cannulas in plastic or glass plungers, or for bonding transparent plastic enclosures and hose connectors. And experience has proven time and again: Bonding is the joining technology of the future – also and especially in medical engineering.

www.panacol.de

www.hoenle.de

PR Contact:

Panacol-Elosol GmbH,
Tel. +49 (0)6171 6202532,
E-mail: manuela.papadakis@panacol.de
www.panacol.de

Hönle Group (overall),
Tel. +49 (0)89 85608170
E-mail: catherine.gettert@hoenle.de
www.hoenle.de

About the Hönle Group: The Hönle Group comprises consolidation parent and UV equipment specialist Dr. Hönle AG, UV lamp specialists Aladin GmbH and adhesives specialist Panacol. Further members are dryer specialists for web offset printing PrintConcept and dryer specialists for sheet feed offset printing Eltosch. Beside subsidiaries in France, Spain and the United Kingdom and a representative office in China, Hönle has a closely knit, worldwide network of sales partners.
www.hoenlegroup.de