

Press Release

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Curing Adhesives Reliably Within Seconds

UV System technology for medical device assembly from Panacol and Hönle

Adhesives developer and manufacturer Panacol and UV specialist Hönle, both subsidiaries of Munich-based Hönle Group, present innovative high-tech products for medical technologies at this year's Medtec Europe in Stuttgart.

Panacol's engineered adhesives can be cured within seconds with UV LED equipment: New tests have shown that in many applications it takes only seconds until Panacol adhesives are fully cured using **Hönle's LED Powerline**, featuring a high intensity at a wavelength of 405 nm. With this technology, medical devices can not only be assembled quickly, but also bonded with an **optimum precision and reliability**. Therefore, the adhesives are perfect for applications such as needle bonding, assembling polycarbonate housings from dialysis filters or blood oxygenators, and joining flexible tubing to plastic connectors. The bonded joints ensure utmost stability and resist high extraction forces. This high strength is maintained after undergoing several sterilisation cycles. Panacol's fast-curing adhesives for disposable medical devices can be assembled quickly and safely while keeping production costs low.

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Innovations in Panacol's portfolio include Vitralit® 7562, a highly moisture-resistant adhesive which maintains high adhesion after a seven day water immersion. Other introductions are **epoxy adhesive Vitralit® 1655 and acrylate Vitralit® 4731**, expanding Panacol's portfolio of PVC and polycarbonate adhesives. Both products are extremely flexible and therefore excellent for bonding larger surfaces without inducing stress cracking.

All adhesives from Panacol's medical portfolio are **100 % solvent free and specifically formulated to meet USP Class VI and/or ISO 10993 biocompatibility standards. Our fluorescent adhesives offer the added benefit of maximum process and quality control** in every produced device. Offering wide viscosity ranges – from capillary flow to gap filling – the adhesives can be used for bonding various materials and even dissimilar substrates, such as glass, metals, and plastics. All adhesives and UV equipment can be individually tailored and optimized to your special requirements to ensure rapid bonding with the highest quality.

Visit us at Medtec Europe 2014 in hall 5, stand 5E65!