

Break-throughs in UV technology offers ultra-high strength and chemical resistant plastic bonder for medical and general industries

Incure, Inc. USA offers new UV solutions for high performance medical plastic bonder such as PC, ABS, PVC, Ultem and polyester. With extra-ordinary strong bonds that exceed the substrate strength, it is also used as a sealant in applications such as medical reservoir bonding. Superior chemical-resistant properties allow bonded devices to be subjected to repeated disinfection.



Innovative Specialty Chemistry

Incure's high performance medical-grade plastic bonders offer superior bonding strength exceed expectations of manufacturers of medical device manufacturers. **Cyro-Weld™ M-9373** is a low-cost plastic bonder with bonding strength of up to 6,800 PSI (ASTM D638) and 2,000 - 3,000 PSI for various metals. This product offers an ideal alternative for many R&D engineers sourcing for a single adhesive for either multiple substrates in an application or the consolidation of different adhesives used in manufacturing for the purpose of economy of scale when it comes to procurement.

Time-To-Market Advantage

Both Incure **Cyro-Weld™ M-9373** and **Stru-Weld™ ST-8133** Multi-Substrates UV/Visible and LED Curable Adhesives cure tack-free and exhibit very good adhesion to PC, PVC, ABS and various other plastics, metal, steel, mylar, PC and aluminium etc. Formulated for flexibility and toughness, users can expect substrate failures with superior moisture and temperature resistance. Product cures tack-free between glass slides in less than 1 sec with just under 200mW/cm² of UVA and 1000mJ/cm² of energy. Incure also offers a wide-range of UV curing lamps to suit all bonding, coating, sealing and encapsulating applications. Please consult our Technical Service Team at support@uv-incure.com for more information.

Matching Chemistry

Incure, Inc. offers the best value in supporting companies, by reducing their time-to-market on product launches. This is achieved through a systematic approach in formulation design, with each formulation tailored to meet customers' needs. Incure Adhesives Manufacturing (Singapore) provides this cutting edge advantage by adopting its unique "**Matching-Chemistry**" methodology in technical service support all over Asia.

Implementing UV technology has never been easier. So, what is it about chemistry-matching? Incure focuses on five important considerations when it comes to UV technology.

- Process Requirements - Preferences, Volumes, Space, Time
- Adhesive Selection - Industry, Type, Grade, Criteria
- Substrates Used - Metal, Glass, Plastics, Aluminium, Steel, etc.
- Test Requirements - Reliability Tests and Qualifications
- Equipment Choices - Spot, Focus, Flood, Conveyor

Proper assessment of the above are crucial in implementing UV process that will bring about consistencies in product quality and reliability. As with all successful implementation of UV processes, one can certainly expect substantial cost-savings resulting from shorter manufacturing through-put times.

Collaborating with Partners

Incure Collaboration Programme (ICP) allows device component manufacturers and R&D centres tap on this platform to customise (UV and non-UV) bonding formulations for their customers' applications. Along with our partners, Incure fulfil the need for faster turn-around time in developing working bonding solutions to their applications.

Experience UV Technology

Come, experience UV technology with us. Call us today and bring your parts. Our team of experienced Applications Development managers will guide you through the entire process at no cost. Pre-arranged Design-On-Experiments can be conducted at our facility.

Incure Singapore Experience Centre

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