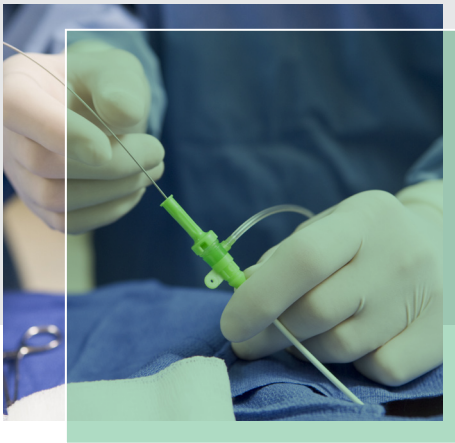


Hanarey specializes in developing, manufacturing, and marketing advanced UV and LED curable adhesives, coatings, and light-curing equipment for the China market.



## Adhesives for Medical Device Assembly

Hanarey medical adhesives for have been formulated to provide cost-saving assembly solutions to medical device manufacturers. They cure within seconds under exposure to UV and visible light. Our adhesives are capable of bonding similar and dissimilar substrates and compatible with gamma, EtO, and E-Beam sterilization. These products help optimize assembly speeds enabling faster processing and greater output.

Hanarey's core competence is the development of light-curable material solutions for the consumer electronics and medical device assembly markets. Key applications of adhesive products include:

- Camera module assembly
- Edgebond
- ITO overcoating
- Needle bonding
- Catheter bonding
- Conformal coating
- Optical display lamination
- RFID tag bonding
- Respiratory mask assembly
- Tube assembly

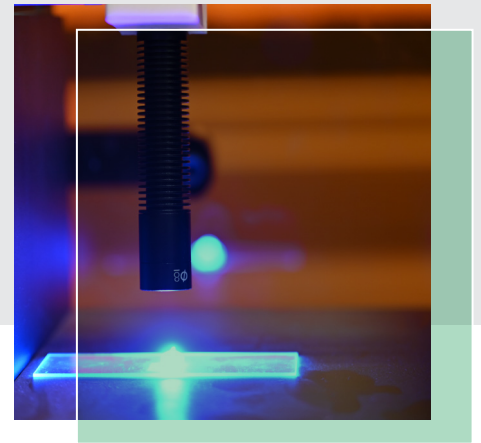


## Adhesives for Electronics and Industrial Assembly

Hanarey offers a broad range of light-curable materials designed for circuit protection, electronic assembly, and industrial assembly applications. These materials are electrical-insulating, making them a perfect fit for conformal coating, encapsulation, bonding, thermal management, masking, and many other electronic and industrial assembly processes. Moreover, Hanarey's light-curable materials fully complies with the latest national standards for solvent content and are one-part formulations, requiring no mixing before application.

To have closer cooperation with Chinese customers and deliver rapid speed to market, Hanarey set up a manufacturing facility in Shanghai in 2019. The 8,000 sqm facility was put into production in 2020.

In addition to producing standard adhesive products and light-curing equipment, Hanarey's Shanghai factory houses an R&D department that supports close communication with customers. This allows them to understand customer needs and quickly develop the most suitable assembly, dispensing, and curing system integration solutions.



## Light-Curing Equipment and System Integration Services

Hanarey's light-curing equipment portfolio includes UV and LED curing conveyors, floods, and spots, specifically designed for light-curing adhesives and coatings. These solutions are ideal for the assembly and manufacturing of consumer electronics and medical devices.

The system integration services provide customized curing equipment and seamlessly integrate dispensing, light curing, inspection, and radiometric measurement into a comprehensive solution. This integrated approach enhances process efficiency, improves product quality, and reduces assembly costs.

