

The Role of Adhesive Dispensing in Optical Modules

Learn how optical bonding improves industrial display durability, sunlight readability, and reliability in harsh environments for professional HMI design.

With the expansion in the optical adhesives market, many improvements have created products that overcome some of the traditional disadvantages often associated with a particular adhesive type.

As a manufacturer of smartphone cameras, you face the challenge of integrating more and more functions into the smallest possible space. The increasing complexity of camera modules requires ...

The selection and qualification of optical adhesives for automotive safety cameras is a multifaceted engineering challenge that demands a balance between mechanical robustness, optical ...

The process involves cleaning, dispensing adhesive, fitting, centering, wiping, UV curing, and inspection. Careful alignment of optical components minimizes aberrations and ensures quality.

This blog post will delve into the critical role of optical assembly adhesives, highlight the challenges involved, and showcase how Incure delivers cutting-edge, UV-curable solutions that ...

Our state-of-the-art adhesives are used for bonding of optical components, where the adhesive is index matched to the used components. While highly specialized, the adhesives are especially designed to ...

This article will delve into the key technical aspects of Needle dispensing application in camera module lens bonding.

As seen in the diagram below, there are five main steps in the camera module assembly process. First, the dual cure adhesive is dispensed around the edges of the substrate which houses the image ...

Optical adhesives are dispensed in sub-microliter deposits for high-precision bonding in applications such as microelectronics, medical devices, and diagnostic equipment. They can also be jetted onto ...

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