

## Optical Bonding

We are currently noticing an increased demand in the field of optical bonding. Whether Dam-and-Fill, wet or dry bonding, hybrid- or film bonding, the bandwidth on available technologies for display bonding is big. Because of the divergent sizes, forms, tolerances, and quantities, no standard procedure currently exists to cover all existing requirements. Furthermore, the market develops in breakneck speed – just think of Curved or OLED-Displays. It remains to be seen which technologies will prevail in the end. Nevertheless, it is and remains exciting to work with our customers on the processes and to further develop them. Various processes under vacuum or atmosphere are available for this purpose, both during dosing of the material and during subsequent joining. Depending on requirements, they can also be flexibly combined with each other. For this application, we have a volumetric piston dispenser for 1C and 2C casting resins in the standard program. With the Dos P, the respective materials can be processed absolutely uniformly and precisely. Existing tolerances on the workpiece can be compensated during the dispensing process: In addition, 2D or 3D scanners or 3D cameras are used to precisely measure the workpiece before dispensing. Based on the measured values, the required amount of dispensing material is then calculated and precisely matched to the workpiece at hand.



The volumetric piston dispenser Dos P covers a wide range of requirements and is available with different variants for different volumes.

Image: Scheugenpflug

**Contact**

Scheugenpflug Inc.

Marketing

Tel.: +1 770 218 0835

E-Mail: [marketing.us@scheugenpflug-usa.com](mailto:marketing.us@scheugenpflug-usa.com)