



Cooperation of ZKW Group with Silicon Austrian Labs, Evatec, EV Group and TDK Electronics advances light projection technology – August 27, 2021



Total Cost of Ownership Success Begins (or Ends) with Your Equipment

Lower cost. Everyone wants it. There are many ways to reach it. On the surface, a low initial purchase price seems like the obvious solution. But is that really the best way to control cost? Savvy buyers look at the total cost of ownership to maximize their return on investment. They know that initial cost is only one part of the purchasing equation.

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Member of the Week



Plan Optik AG is a leading manufacturer of structured wafers when it comes to technology. In sectors such as consumer electronics, automotive, aerospace, chemistry and pharmaceuticals these wafers are essential components used as active elements for numerous applications in MEMS technology. The wafers of glass, glass-silicon compounds or quartz are available in sizes up to 300 mm diameter. Wafers by Plan Optik provide high-precision surfaces in the ångström range (= ten millionths of a millimetre), which are achieved through the use of the MDF polishing process developed by the company. The wafers are available to minimum tolerances with application-specific structuring and complex material combinations. Plan Optik's extensive experience in the integration of optical, electronic or chemical functions within a wafer as the basis of MEMS applications has made the company the preferred partner of large international manufacturers. Based on Plan Optik's expert knowledge the wafers are developed in collaboration with customers such as OSRAM, Infineon, Motorola, Samsung, Honeywell and Bosch. Plan Optik develops and manufactures customer-specific wafers by integrating the necessary functions into the structure and material combination within the wafers. These wafers are subsequently separated into their individual elements, which in turn serve their purpose as an active element within the application.

Plan Optik wafers are used, for example, in the mass production of LED lighting technology for high power head lamps of cars. To this end Plan Optik supplies structured wafers made of a complex material combination together with the elements for the proper encapsulation of the light diode as well as the elements for the design of the light geometry and the color temperature of the head lamp. In the field of consumer electronics Plan Optik wafers find application in the manufacture of cell phone cameras. Using the wafers as a basis, glass elements are produced for the photo sensors, the so-called CMOS imaging sensors.

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