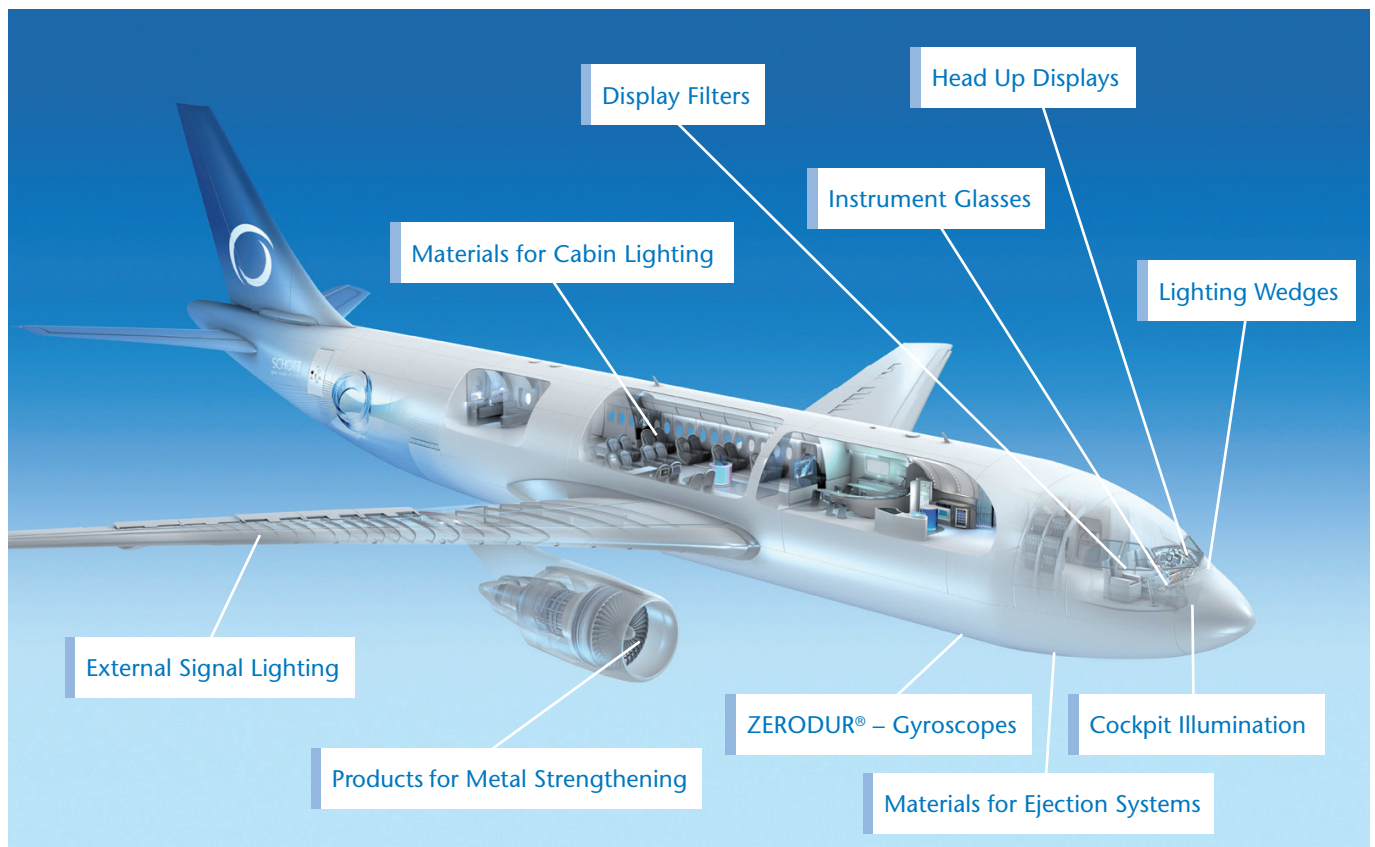


Advanced Optics in Aviation

SCHOTT Advanced Optics offers a large variety of optical materials and components for many applications. A wide range of its products are being used in the field of AVIATION and support flight systems associated with navigation, guidance, display, illumination and other needed functions. As such SCHOTT helps providing the basis for safe flying.

Our advantage is the strong focus on industrial components. We know the demands for high quality, reliability and consistency and have been a qualified supplier to the Avionics industry for many years. All our sites in our global production network are ISO 9001, EN 9100 and ISO 14001 certified.



SCHOTT
glass made of ideas

Main Products and its Applications



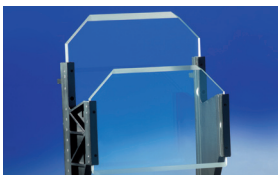
Glass Filters

Filters from SCHOTT utilizing colored glass, clear glass and sophisticated coatings are being used for contrast enhancement on cockpit displays. In addition, night vision compatible filters allow cockpit illumination and display readability under challenging circumstances. Toughened color filters are also used for external lighting, airfield lighting and identification.



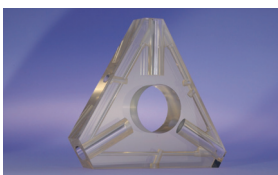
Instrument Glasses

Reliable glasses from SCHOTT function as covers for analog and LCD instruments in the aircraft, especially in the cockpit, and enable a non-distorted view. Due to outstanding coating capabilities, misting is no longer an issue as the demist coated instrument glasses provide a clear view to the displayed information at all times. SCHOTT's coating innovation enables design and functionality with new touch screen generations.



Head Up Displays (HUD)

Semi-reflecting instrument glass produced, coated and assembled by SCHOTT enables the projection of the instrument data to the cockpit window. Supporting the view of surroundings and all flight data at the same time, HUD's are a key element to touch down under difficult weather conditions.



ZERODUR® – Gyroscopes

Gyroscope bodies made from ZERODUR® zero expansion glass ceramic are the key elements of the inertial reference for precise position measurement in any aircraft. There are at least three gyroscopes in every airplane measuring the 3-D-position of the aircraft which guarantees the highest degree of safety. Gyroscopes face challenging demands with respect to temperature and pressure resistance, whereby a material with a zero coefficient of thermal expansion is needed.



Others

Advanced Optics also supplies raw material, semi-finished goods and components for the production and assembly of final products and systems for Cabin Lighting, External Signal Lighting, Metal Strengthening, Ejection Systems, Cockpit Illumination and Lighting Wedges. In addition SCHOTT provides various products for the enhancement of cabin architecture and for electrical applications.

Further information available on detailed product flyers.

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