



Advanced Optics - News Flash 05/2014

Hot Topic:

Glass from SCHOTT delivers brilliant extraterrestrial images of Comet Tschuri

Radiation-resistant optical glass from SCHOTT contributes to the success of the Rosetta mission

SCHOTT Advanced Optics is involved in the Rosetta mission on exploring Comet Tschuri (67P/Tschurjumow-Gerasimenko). We supplied specialty glass that delivers spectacular images of the comet inside the panorama camera. Four out of five lenses installed in each of the seven objective lenses used in the CIVA camera system of the Philae lander were manufactured from two different types of radiation-resistant optical glasses from SCHOTT in Duryea.

"Thanks to our radiation-resistant optical glass, which we produced in Duryea, ten years of exposure to cosmic radiation have not impaired the performance of our lenses. Our special lenses ensure that the image quality is still excellent even following the long flight into space. It is an honor for us that our high-performance glass is being used in this mission," said Dave Alunni, Production Manager at Advanced Optics of SCHOTT North America Inc. The lenses used in the panorama camera were designed and built by FISBA OPTIK from St. Gallen, Switzerland.



Photo: © ESA/Rosetta/Philae/CIVA. Link: http://www.esa.int/spaceinimages/Images/2014/11/Welcome_to_a_comet

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Other recent developments

SCHOTT to offer its multifunctional DARO coating for touch displays on CONTURAN® glass

SCHOTT Advanced Optics has expanded its coating expertise in the area of specialty glass and introduced the first permanently anti-reflective and oleophobic (DARO) coating to the market for use on

SCHOTT's proven glass CONTURAN®. This is the first coating that allows for anti-reflective cover glasses for professional touch displays that are protected against fingerprints and other soiling.



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