

## **SCHOTT to offer fully RoHS-compliant fiber optic faceplates for use in medical technology**

### **Serial production of monolithic faceplates of up to 320 mm x 320 mm in size for use in digital X-ray sensors featuring C-MOS technology**

*Mainz & Düsseldorf, November 14, 2013* – The international technology group [SCHOTT](#) has announced that it is expanding its product range in the area of medical technology to include new RFG92 monolithic faceplates that fully meet Restriction of Hazardous Substances (RoHS) standards because they are manufactured without using lead additives. Areas of application for the new fiber optic faceplates include digital x-ray sensors that employ complementary metal–oxide–semiconductor (CMOS) technology. SCHOTT will be presenting these products at the [COMPAMED Trade Fair](#) in Düsseldorf, Germany at booth 8B/H08 from November 20 to 22, 2013.

SCHOTT manufactures these monolithic faceplates in sizes up to 320 mm by 320 mm. “This means we can now produce a complete faceplate without needing to assemble it from several smaller faceplates, an advantage for both processing optical performance and x-ray attenuation,” explains Jörg Warrelmann, Business Manager at SCHOTT Lighting and Imaging. “In addition, the one-piece design offers a more uniform x-ray attenuation across the faceplate,” adds Warrelmann.

Thanks to the environmentally-friendly manufacturing of these fiber optic faceplates, SCHOTT now offers yet another technological advantage over other products on the market which still contain lead and therefore only meet RoHS regulations by relying on exemption clauses.

The new product RFG92 also offers improved transmission within the visible range while utilizing the same x-ray attenuation as previous products. In addition, SCHOTT markets these “green” faceplates at an attractive price.

SCHOTT manufactures all of its faceplates according to customer specifications. The faceplates are manufactured in round, square or rectangular formats. Special sizes up to 450

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mm by 450 mm are possible. These fiber optic faceplates are manufactured hermetically for use with x-ray scintillators.

“By offering products that are RoHS-compliant for use in medical applications that do not need to rely on exemption permits, we are opening up many opportunities for SCHOTT and our customers to introduce new products to the market that offer a high degree of security for the future. For example, in 2012 SCHOTT successfully introduced the world's first environmentally-friendly optical glass fibers PURAVIS® GOF70 and GOF85 for illumination and sensor applications. Now we are offering our eco-friendly faceplates made from the material RFG92 for digital x-ray applications,” notes Warrelmann.

More information can be found here:

<http://www.schott.com/lightingimaging/english/medical/medical-products/transmitting-images.html>

*PURAVIS® is a registered trademark of SCHOTT AG.*



SCHOTT now offers new RFG92 monolithic faceplates for use in medical technology that fully meet RoHS standards because they are manufactured without adding lead. Photos: SCHOTT.

Download link to a ZIP file that contains these photographs in print quality: <http://www.schott-pictures.net/presskit/215384.compamed>

More press photographs are available here: [www.schott-pictures.net](http://www.schott-pictures.net)

*SCHOTT is an international technology group with more than 125 years of experience in the areas of specialty glasses and materials and advanced technologies. SCHOTT ranks number one in the world with many of its products. Its core markets are the household appliance, solar power, pharmaceuticals, electronics, optics, transportation and architecture industries. The company is strongly committed to contributing to its customers' success and making SCHOTT an important part of people's lives with high-quality products and intelligent solutions. SCHOTT is committed to managing its business in a sustainable manner and supporting its employees, society and the environment. The SCHOTT Group maintains close proximity to its customers with manufacturing and sales units in 35 countries. Its workforce of around 16,000 employees generated worldwide sales of approximately 2 billion euros for the 2011/2012 fiscal year. SCHOTT AG, with its headquarters in Mainz (Germany) is owned by the Carl Zeiss Foundation.*

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