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PRODUTOS / MÁQUINAS

Carl Zeiss is offering complete instrument systems which allow the non-contact and non-destructive measurements of spectral transmittance/reflectance and color values. High quality and safety are also guaranteed under extreme ambient conditions or in vacuum. The measured results are provided immediately and are available for process optimization and archiving.

The instrument systems are designed for quality and process control for processes such as the production of architectural and float glass and solar cells.

The ZEISS spectrometers from the proven family of MCS 600 or CORONA PLUS systems combine modern UV-VIS-NIR diode array technology with precise optical design and fast, high-resolution electronics. Speed, robustness and reliability number are among their outstanding features. The diode array spectrometers by design have high measuring accuracy, very good wavelength stability and excellent reproducibility of the measured results. Their modular design also permits the systems to be subsequently expanded with further measuring points. Via standard interfaces and appropriate protocols, the software enables communication with other systems and databases or integration into existing solutions.

The engineering services of Carl Zeiss for process and quality control include hardware and user-specific software.

Our systems offer:

High-speed measurement of spectral transmission/reflectance, color values and coating resistance – in-line or off-line
Engineering services for process and quality control include hardware and customer-specific software

Extremely robust non-contact/non-destructive measurements
Maximum reliability and reproducibility – even in harsh environments
Easy integration into existing process lines

We offer solutions for e.g.

In-line measurement of glass coatings
In-line process control of coatings
Quality control of coated glass
At-line measurement and mapping of coated glass

HISTÓRIA DE EMPRESA

Founded as a workshop for precision mechanics and optics in the German city of Jena in 1846, Carl Zeiss is today a global leader in the optical and opto-electronic industries. There are currently approx. 13,000 employees in the Group. We have offices in over 30 countries and are represented in more than 100 countries, with production centers in Europe, North America, Central America and Asia. The company's headquarters are located in Oberkochen, Germany, in northeastern Baden-Wurttemberg.

We are market leaders in the majority of our fields. We offer an extraordinary spectrum of leading-edge solutions and products.

Carl Zeiss Microscopy GmbH, is a 100% subsidiary of Carl Zeiss AG. ,

The Optical Sensor Systems business unit is part of the Materials division which, along with the BioScience division, belongs to Carl Zeiss Microscopy. During fiscal year 2011/12 the Microscopy Group at Carl Zeiss generated revenues of approximately EUR 650 million with a global workforce of about 1730.

In order to record and control the complex process stages involved in glass and solar cell production, precise and fast in-line and at-line measurements are required Carl Zeiss Optical Sensor Systems is offering complete instrument systems which allow the non-contact and non-destructive measurements of spectral transmittance/reflectance, color values and sheet resistance.

As a leading provider of spectrometer systems for process and quality control in glass production, the company has been a successful partner of glass manufacturers for many years now.

Company Profile of **Carl Zeiss Microscopy GmbH**

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