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## PRODUCTS OR MACHINERY

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

### Company Profile of **Carl Zeiss Microlmaging GmbH Optical Sensor Systems**

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