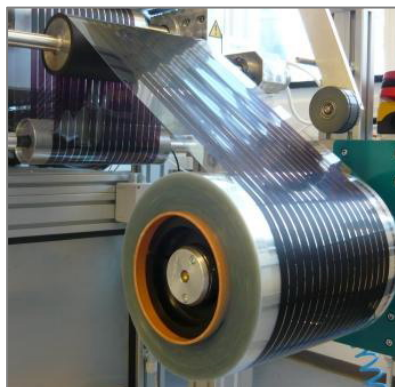


# EUROPEAN RESEARCH PROJECT "HIFLEX" FOR ORGANIC PHOTOVOLTAIC (OPV) APPLICATIONS RELIES ON DR. SCHENK'S TECHNOLOGY KNOW-HOW IN THIN-FILM PV METROLOGY



*The new generation photovoltaic cells are made of organic semiconductor materials, are flexible and as thin as plastic films, as well as light-weight and variable in color. (Photo: courtesy, F. Krebs, RisØ DTU)*

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Dr. Schenk GmbH, leading supplier of inspection and measurement solutions for the thin-film solar module production, proudly announces its participation in a trend-setting research project supported by the European Commission. The "HIFLEX" project aims to jointly develop a technology for highly flexible Organic Photovoltaics (OPV) modules. Due to the use of commercially viable printing and coating techniques on roll-to-roll material, this new PV generation can be produced even more cost-effective than today's solar modules. Therefore, organic photovoltaic is one of the most promising business areas, as interest in clean energy technology continuously grows.

The research consortium has selected Dr. Schenk as industrial partner for the HIFLEX project. Dr. Schenk contributes its highly recognized and valuable know-how in the production processes of thin-film PV modules as well as roll-to-roll material and their quality requirements.

Schenk's fundamental comprehension of inspection and measurement technology is a result of 25 years industry experience in the development and world-wide delivery of in-line metrology solutions to manufacturers of PV modules and web materials such as film, foil and non-wovens. For further information on the HIFLEX research project, please refer to the [official press release from the Energy research Centre of the Netherlands \(ECN\)](#).

With the optical vision systems, SolarInspect for solar applications and EasyInspect for web applications, local material defects can reliably be detected along the production lines. Thanks to the additional monitoring and measurement options, SolarMeasure and EasyMeasure, manufacturers and converters can evaluate and correlate metrology data from the various analyzing steps and perceive a comprehensive overview of the entire manufacturing process. This global evaluation, uniquely offered by Dr. Schenk GmbH, reveals the real potential for process optimization.

### **About Dr. Schenk GmbH**

*Dr. Schenk GmbH, established in 1985, is an innovative high-tech company based in Munich, Germany. For the third decade now, the range of products and services offered by Dr. Schenk comprises comprehensive solutions for automated quality assurance and production process monitoring to the optical media, flat glass, film and foil, converting, paper, solar and semiconductor industries. In these areas Dr. Schenk continues to set new standards for the inspection of surfaces through the utilization of the latest technical advances in optics and electronics.*

*The company's primary objective is to achieve complete satisfaction of our customers on a long-term basis. This vision is realized by a perfect synergy between innovative solutions and practical ideas. Global sales and service facilities ensure local support, technical service, training and consulting at any phase of a project. From modular standard units to highly customized systems – Dr. Schenk's high-performance test and inspection products have precision in focus!*

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