

## **CORPORATE NEWS**

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### **FHR Anlagenbau was awarded a major contract by Manz AG for the delivery of inline coating technology for CIGS solar module factories and aims at strategic partnership to further develop thin-film technology**

*Ottendorf-Okrilla, July 13, 2017* – FHR Anlagenbau GmbH has been awarded by Manz AG (Reutlingen) to deliver a number of sputtering systems for the manufacture of high-efficiency CIGS thin-film solar modules. The systems are to be delivered in 2018 and commissioned in two fully integrated factories in China. The latter are part of the major orders Manz received in January 2017 from two leading Chinese companies in the energy industry. The order volume is in the lower double-digit million range. The parties have agreed to keep the exact volume undisclosed.

At the same time FHR Anlagenbau GmbH aims at a strategic partnership focused on further developing the CIGS thin-film technology together with Manz.

Torsten Winkler, general manager of FHR, stated: “Since our founding in 1991 we have considered ourselves as pioneers in vacuum process technology for the deposition of a wide range of functional thin films. The special electrical, optical or other functional coatings are used today in many different sectors. We can contribute our core competence into the development partnership with Manz. Together we intend to further enhance the efficiency and competitiveness of thin-film solar technology in the photovoltaic market.”

### **About FHR Anlagenbau GmbH**

FHR Anlagenbau GmbH, based in Ottendorf-Okrilla, is specialized in developing innovative thin-film technologies and vacuum coating systems, as well as providing services in the thin film area. Founded in Dresden in 1991, the company has been part of the centrotherm Group since 2008. The company's largest line of business is vacuum coating for industry as well as research by utilization of evaporation, sputtering, CVD and ALD technologies. FHR's product portfolio comprises vacuum process equipment for a wide range of different sectors such as photovoltaics, specifically CIGS solar cells and organic PV, solar thermal energy, optics, electronics and sensor technology, as well as automotive. FHR holds a leading technology and market position here. In another area of business, FHR manufactures sputtering targets for the coating industry. FHR works together with renowned partners from industry and research institutes across the globe.

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