

Press Release

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Productronica India: German UV specialist Hönle shows high-quality testing systems for the PV industry

At their first Indian trade show the **Dr Hönle AG**, head of the Hönle group, presented irradiation chambers for dependable tests of photovoltaic modules. „The visitors have shown a huge interest for our products.“, reveals Jürgen Mayr, sales engineer at Hönle. „People were especially impressed by the fact that we really consider the needs of our customers and provide everything - from test plants for the laboratory up to big irradiation chambers for industrial applications.

At the stand of their Indian sales partner **Bergen Associates Pvt. Ltd.**, Hönle informed about their sun simulation- and irradiation systems. The are ideal for quality tests, regarding the artificial load of the materials used for PV-modules. These tests are defined in the standards **IEC 61215 and IEC 61646**. All chambers are based on the trendsetting technology developed by Dr. Hönle AG near Munich.

Technology made in Germany – sun simulation systems

The light spectrum of the **SOL units** is produced by gas discharge lamps containing metal halides. These radiation sources emit an almost

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continuous spectrum, which is close to that of natural sunlight. It is possible to use either a conventional choke ballast or the electronic power supply (EPS) produced by Hönle as power supply for the lamps. The EPS from Hönle offers several advantages, as for example its output power, which remains very stable even in case of supply voltage fluctuations. In addition, using the EPS allows precise intensity control and also increases the lamp life.

In combination with the electronic power supply all Hönle sun simulation systems meet the requirements of classification CCA up to BBA, if desired, as specified in **IEC60904-9**. Sun simulation systems of Class CCC are of course also available on request. The Hönle sun simulation systems are ideally suitable for light soaking- and hotspot-tests.

Hönle UV irradiation systems

Hönle UV irradiation systems are ideal for **UV preconditioning tests**. Here again, gas discharging lamps serve as radiations sources. They have been optimized by Hönle to a high band of radiation of UVA and UVB. Through special filter systems the ratio between UVA and UVB can be varied in order to meet the different requirements of crystalline PV-modules and thin-film modules.

Strong partner for the photovoltaic industries

In Europe, Asia and the USA Hönle has already proofed to be a strong and reliable partner for the PV industries. Jürgen Mayr is very confident: "With the assistance of our sales partner Bergen Associates Pvt. Ltd., Hönle and our high-tech products will play an important role in India, as well."

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About the Dr. Hönle AG: Hönle is one of the world's leading suppliers of industrial UV technology. The UV specialist, which is quoted on the stock exchange, manufactures and distributes UV systems, UV lamps and UV measuring technology throughout the world. The systems are used in the cross-linking of photo-reactive substances, for surface sterilisation and solar simulation.

About the Hönle Group: In addition to the original parent company, UV systems specialist Dr. Hönle AG, the Hönle Group also comprises of Aladin GmbH (UV lamps), adhesives specialist Panacol, the UV dryer specialists PrintConcept (web offset printing) and Eltosch (sheet feed offset printing).

The German based Hönle Group has local subsidiaries in the USA, France, Spain and the United Kingdom and a representative office in China. The Hönle Group also has an extensive worldwide network of experienced sales and service partners