

## Press Release

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## **Technology for a Material of the Future**

### **Grenzebach processing equipment for the TFT/LCD industry**

The versatility of glass makes it an indispensable product for many applications reaching from architecture, the vehicle industry, furniture and appliances, solar panels to electro and electronic industries, optics and many more. And its importance will further increase in the future.

Grenzebach has supplied flat glass production equipment for more than 40 years. From initial planning, design, production, intelligent control solutions, commissioning and after-sales service, a comprehensive range of services is offered to customers.

The connection between float, solar and coater business to the TFT/LCD industry is very obvious and clean room components are one of the latest developments inside the Grenzebach Group.

Strict requirements to the quality of thin glass products require highest process accuracy and stability. All Grenzebach products were tested by Fraunhofer Institute and reached cleanroom class 100 (ISO 5).

The company offers a wide range of equipment to the industry. Key processes inside the display FABs are connected such as PVD, CVD, etching, measuring, etc. including all software related projects. Grenzebach cutting technology allows very precise cuts and reaches its highest level of functionality in combination with the company's supervision and optimisation systems. Conveying and stacking technology ensures smooth and exact handling of the delicate material while robot handling creates a useful and versatile alternative for take-off and feeding. Constant and continuous production flow is reached by integrating our accumulators, buffers and cassette stations into the processing system. Control of the production process at all times, quick reaction and full use of the line capacity – the Grenzebach control systems meet these requirements at its best. A complete range of machine controls is available, designed to the specific application and customer needs.



The exact functioning – also under cleanroom conditions - greatly influences quality and usability of the end product – and finally also cost efficiency. By choosing the right equipment, customers achieve a maximum yield and strengthen their performance. Grenzbach specialists will assist customers in selecting their most functional and economical system according to their specific needs.