

**Maximized fab productivity:  
Manz presents Total Fab Solutions for Touch Panels at Touch  
Taiwan**

- **Manz draws on core competencies for a maximum of fab productivity**
- **High-precision custom installation enables customers to start mass production within one month**
- **Solutions accommodate varying glass sizes and product portfolios**

**Taoyuan/Reutlingen, 29 August, 2012.** Manz AG will exhibit its Touch Panel Total Fab Solutions at Touch Taiwan in Taipei. At booth M130 the high-technology provider will exhibit the entire fab portfolio and its advantages: fast installation, process optimization and minimized production costs.

Eric Chen, President of Manz Asia Ltd., emphasizes the advantages of these integrated solutions over purchasing equipment piecemeal: “With over 25 years of experience, our unique know-how enables us to streamline the production process for maximum output. This achieves the best utilization of fab space and optimized production efficiency for our customers. In addition, we are the only equipment provider that offers high-precision custom installation, making start of mass production possible within one month.”

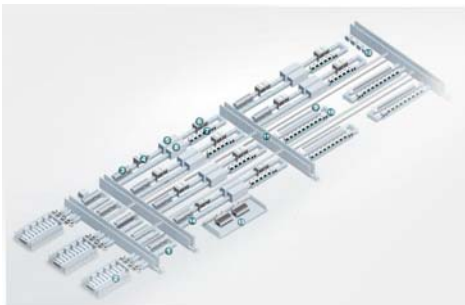
The Total Fab Solutions accommodate all substrate sizes and types of production processes. The innovative design and recycling processes minimize water, electricity and material costs. Customers also save manpower and other costs not only by the fast, precise installation but also through maintenance by Manz’s on-site engineering service.

Manz AG has drawn on its core competencies of wet chemistry, automation and vacuum coating technologies to develop the Total Fab Solutions. For the critical wet chemistry process, Manz offers a range of equipment including cleaner, developer, etcher, stripper, and rework tools that perform under diverse conditions of chemical

materials, thickness of glass and size of substrate. Manz provides high-quality automation equipment including loaders, un-loaders, rotaters, and buffers with inspection systems, achieving potential uptime above 95% while maintaining stable transfer and the lowest possible breakage rate. Finally, Manz's innovative vacuum coating technology can operate simultaneous processes in the same chamber, helping customers preserve precious fab space and reduce cost of ownership.

In May 2012, Manz opened a new production site in Suzhou, China. Eric Chen: "We are confident that the demand for high-performance equipment in the touch panel business will remain strong, especially in Asia. Manz always strives to be as close to customers' production sites as possible to enhance production and service quality – with the new facility in Suzhou we achieve this for our customers in Asia."

Touch Taiwan is organized by the Taiwan Display Union Association. The exhibition will be held in Taipei August 29 to 31 and expects up to 600 exhibitors.



The Total Fab Solutions for Touch Panels by Manz: best utilization of fab space and an optimum of production efficiency.

**High-resolution photos available from Anne Tritschler, Storymaker Ltd.**

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### **Manz AG – passion for efficiency**

Manz AG based in Reutlingen, Germany, is a world-leading high-tech engineering company. Founded in 1987, in recent years the company has grown from an automation specialist into a

supplier of production lines. Manz AG has amassed expertise in six areas of technology, including automation, laser processes, vacuum coating, printing, metrology and wet chemical processes. The technologies are deployed in three strategic fields, the “Display”, “Solar” and “Battery” segments and continuously further developed.

The company, led by founder Dieter Manz, has been listed on the stock exchange in Germany since 2006, and currently operates production facilities in Germany, China, Taiwan, Slovakia, and Hungary. Manz AG also has sales and service branches in the USA, South Korea and India. At the beginning of 2012, Manz AG had approximately 2.000 employees, 900 of which work in Asia. With its slogan “passion for efficiency”, Manz engineers are making a promise to offer its customers – all companies active in important future markets – increasingly efficient production equipment. As a manufacturer of production facilities, the company contributes significantly to reduce the production costs of end products and thereby making them available for a broad range of buyers worldwide.

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