Press release

Manz AG receives follow-up order for equipment to realize fan-out panel level packaging in microchip production

- *Order in the mid-single-digit million euro range from one of the world's leading microchip producers*
- *Megatrends of digitalization, electromobility and autonomous driving spur market growth*
- *CAGR of >20% expected for plant technology until 2024*

Reutlingen, Germany, May 27, 2021 - Manz AG, a globally active high-tech equipment manufacturer with a comprehensive technology portfolio, is seeing increasing interest in equipment for realizing the innovative packaging process for microchips, Fan-Out Panel Level Packaging (FOPLP). Now, Manz has received a follow-up order in the mid-single-digit million euro range from one of the world's leading providers in the field of microchip manufacturing.

Martin Drasch, CEO of Manz AG, comments: "*The electronics industry is currently characterized by high dynamics, especially against the background of rapid digitization. A basic prerequisite for this is increasing miniaturization, which means that increasingly smaller components have an increasingly greater performance capacity. In the automotive industry in particular, the megatrends of electromobility and autonomous driving will lead to a sharp rise in the number of chips installed. Here, our systems for the realization of fan-out panel level packaging will play a key role. This is because, in addition to a significant reduction in volume, thickness, weight and manufacturing costs of the packaging, FOPLP also has a significantly positive impact on the thermal conduction and speed of the components."*

In recent years electromobility and autonomous driving have already led to a sharp increase in the number of sensors installed in cars. While in 2016 sensors amounted to between 60 and 100 per car, by 2020 there were already more than 200 sensors. The number of chips in smartphones has also increased enormously. In view of these developments, suppliers in the fan-out panel level packaging sector can expect strong revenue growth for production equipment of more than 20% per year in the coming years.

"With our integrated and automated production solutions, we as a high-tech equipment manufacturer create the basis for a fast time-to-market while at the same time improving the performance parameters of the end products and reducing production costs. These are clear competitive advantages for our customers and a very good position for us to benefit from the market potential," Martin Drasch summarizes.

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Company Profile:

Manz AG - passion for efficiency

Founded in 1987, Manz AG is a globally active high-tech engineering company. Its business activities comprise the Solar, Electronics, Energy Storage, Contract Manufacturing and Service segments.

With many years of expertise in automation, laser processing, inspection systems and wet chemistry, the company offers manufacturers and their suppliers innovative production solutions in the fields of photovoltaics, electronics and lithium-ion battery technology. The product portfolio includes both customer-specific developments and standardized individual machines and modules that can be linked together to form complete, individual systems. Above all, by involving Manz AG in customer projects at an early stage, the company makes a significant contribution to its customers' success with high-quality, demand-oriented solutions.

The group of companies, which has been listed in Germany since 2006, develops and produces in Germany, Slovakia, Hungary, Italy, China and Taiwan. There are also sales and service subsidiaries in the USA and India. Manz AG currently employs around 1,400 people worldwide, around half of whom work in Asia, which is the key region for the company's target industries. The Manz Group's revenues amounted to around 237 million euros in the 2020 fiscal year.

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