



Manz's fully automatic assembly platform *LightAssembly* meets the healthcare industry's highest quality requirements for the production of smart medical devices

- **High-tech mechanical engineering company announces planned strategic cooperation with global medical technology manufacturer**
- **The goal is the fully automatic production of smart medical devices on Manz's modular assembly platform *LightAssembly***
- **Manz adapts expertise from electronics production for medical technology**

Reutlingen, 7 May 2020: High-tech engineering company Manz AG will support a leading European medical technology manufacturer in automating its production processes. The two companies recently signed a corresponding agreement for the planned strategic cooperation. Manz will adapt its many years of expertise in electronics production to the fully automated production of smart medical devices.

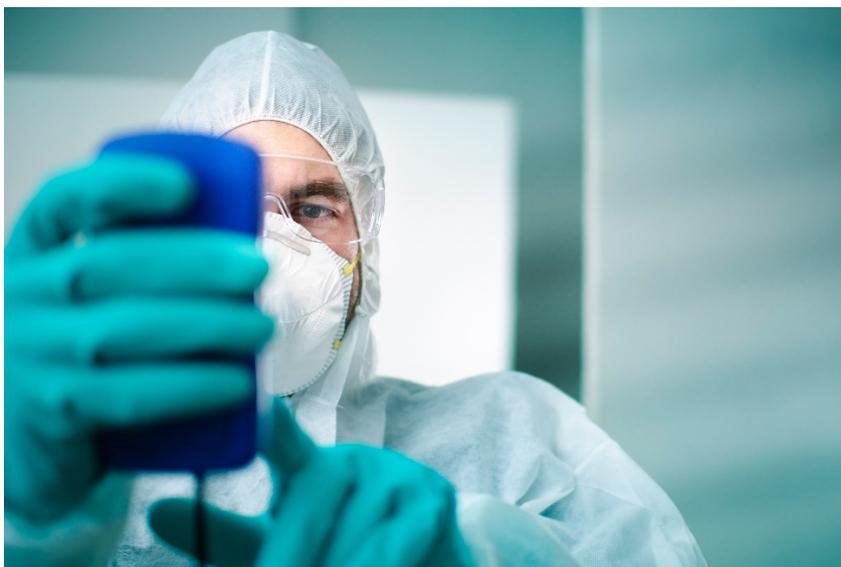
Smart Medical Devices are networked medical devices, such as auto-injectors for insulin delivery, sensors for self-diagnosis or inhalers for asthma treatment, which patients can use and control themselves via display or app. Such devices remind patients, for example, of the recommended dosage and check that it is being used correctly. They can be linked to databases in the cloud or at the doctor in charge's office and significantly improve the quality of life of patients with particularly chronic diseases. To meet the growing demand for smart medical devices, manufacturers are increasingly turning to fully automated manufacturing processes. This is also intended to ensure high quality and the complete traceability of individual products in accordance with legal regulations and the compliance guidelines of health authorities. "Especially in light of the COVID 19 pandemic, the planned cooperation is a great vote of confidence for us," says Marijan Brcina, head of Manz's Electronic Devices division.

Integrated machine concept for complete traceability

For use in the medtech industry, Manz's *LightAssembly* modular assembly platform can be configured to meet specific requirements. The flexible system can handle up to 60 different production steps, such as laser welding, cutting and marking, ultrasonic welding, screwing and gluing, or dosing and joining. *LightAssembly* can also be equipped with a wide range of inline testing and inspection systems. "The advantage of our assembly system is the smooth integration of the individual process steps," explains Marijan Brcina. "This enables us to offer our customers high throughput with consistently high quality. Thanks to the possibility of changing the product parameters via software, *LightAssembly* is also extremely flexible, for example when it comes to small batch sizes or devices that are individually adapted to individual patients".

Manz's *LightAssembly* assembly system is particularly suitable for the reliable and high-precision production of complex assemblies with varying dimensions. It is currently used in electronics production or in the manufacture of cell contacting systems for electromobility, among other things.

Photo:



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Smart Medical Devices are networked medical devices that can significantly improve the quality of life of patients. Their fully automated production on assembly systems such as *LightAssembly* from Manz helps to meet the healthcare industry's highest quality requirements.



Company profile:

Manz AG – passion for efficiency

Founded in 1987, Manz AG is a global high-tech equipment manufacturing company. Its business activities cover the areas of Solar, Electronics, Energy Storage, Contract Manufacturing and Service.

With many years of expertise in automation, laser processing, vision and metrology, wet chemistry and roll-to-roll processes, the company offers manufacturers and their suppliers innovative production solutions in the areas of photovoltaics, electronics, and lithium-ion battery technology. The company's product portfolio includes both customer-specific developments and standardized single machines and modules, which can be linked to create complete custom systems. Manz AG offers high-quality, needs-based solutions that can be integrated early into customer projects to contribute significantly to customer success.

The company, listed on the stock exchange in Germany since 2006, develops and produces in Germany, Slovakia, Hungary, Italy, China and Taiwan. It also has sales and service branches in the USA and India. Manz AG currently employs roughly 1,600 workers worldwide, around half of whom work in the Asia region, which is key to the company's target industries. Manz Group revenue in the 2019 financial year totalled around 264 million euros.

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