

Dürr, GROB, and Manz present concept factory for battery production at the Battery Show Europe

- *Implementation of the first "made in Europe" battery production plant*

Reutlingen, June 18, 2024 – In 2022, Dürr, GROB, and Manz formed the first European partnership in lithium-ion battery production technology. Their goal is to become a leading European supplier of complete battery production systems. This year, the three companies are showcasing their jointly developed concept factory at the Battery Show Europe in Stuttgart. The factory highlights end-to-end process automation, perfectly coordinated interfaces, and integrated, holistic digitalization solutions.

Dürr, GROB, and Manz possess most of the necessary machinery and plant technology to cover the entire process chain from electrode production to cell assembly and from module to pack assembly. Since the partnership began, they've focused on developing a concept factory for battery production. In six defined workstreams, particular emphasis was placed on achieving above-average process efficiency during the planning phase.

The goal: production with high overall system efficiency

Both technical and digital interfaces between the three partners are crucial to development. Dürr's subsidiary iTAC, an expert in process digitalization, contributes its MES/MOM solution, enabling end-to-end visibility of all battery production steps. This includes control and planning of the entire production process, as well as analysis and traceability. The result is high overall system efficiency and lower operating costs, primarily achieved through reduced energy consumption and a smaller overall plant footprint.

Battery production plant from a single source

The first joint customer project, a system for electrode production and battery cell assembly, is already underway. The single-source approach saves the customers from complex project management, as processing interfaces have been streamlined. Dürr, GROB, and Manz offer smooth implementation following proven project management standards and have an extensive supplier network at their disposal.

As part of the Battery Show Europe 2024 conference program, Dr. Hannes Schmäuser (Member of the Board of Dürr Systems AG), German Wankmiller (CEO of GROB Group), and Martin Drasch (CEO of Manz AG) will discuss scaling European battery production - quickly, reliably, and cooperatively. Developing a competitive battery industry in Europe requires more than just political incentives and guidelines. Quality and cost requirements, along with ecological goals, are equally crucial. Full integration of machinery and equipment manufacturers' expertise in engineering and project management is essential to ensure competitiveness for cost, quality, and speed.

Visit Dürr, GROB, and Manz from June 18 to 20, 2024, at the Battery Show in Stuttgart in **Hall 10, Stand H40**. We look forward to welcoming you!

Picture

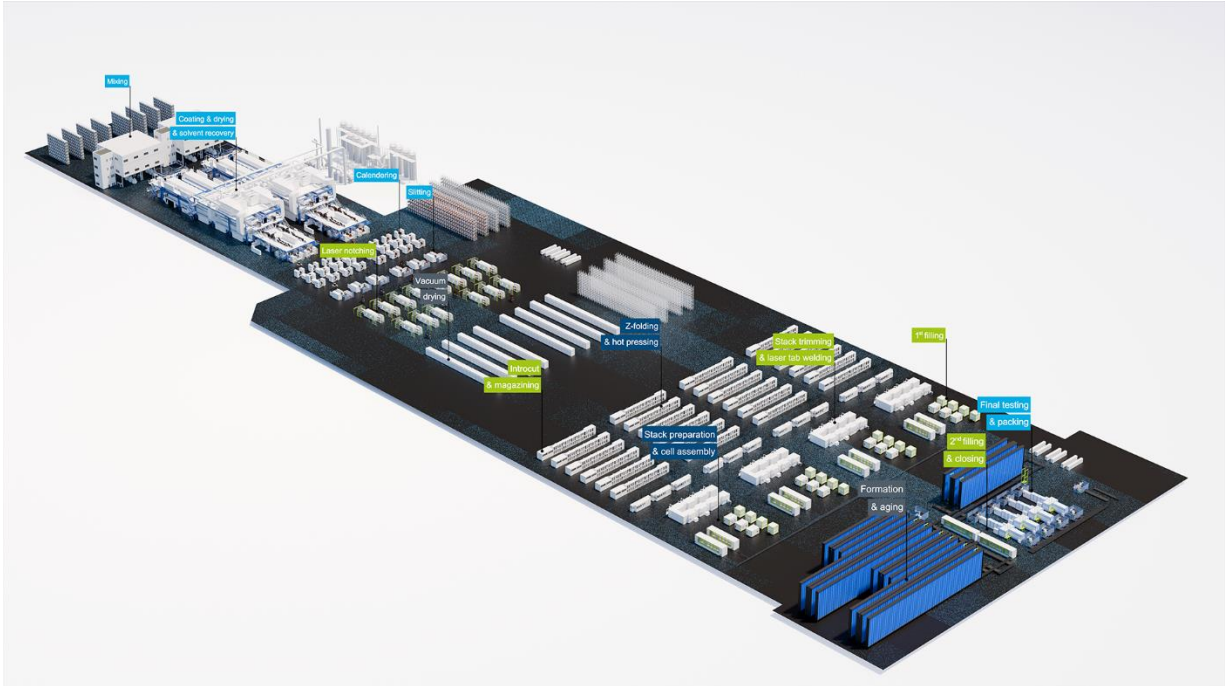


Figure 1: Dürr, GROB and Manz present the concept factory of a complete "made in Europe" battery production plant at the Battery Show Europe.

About Manz AG

As a high-tech engineering company, Manz AG develops best-in-class production solutions for lithium-ion batteries as well as electronic components and devices for its customers. Thus, Manz is an innovative pioneer for the global megatrends of electromobility and digitalization.

Manz covers the entire range of modern production solutions: From customized individual machines for laboratory production or pilot and small series production to standardized modules and systems to turnkey lines for efficient mass production. Customers benefit from high resource efficiency with higher throughput and shorter time-to-market.

With currently around 1,500 employees, the Manz Group 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 was founded in 1987 and generated revenues of 249.2 million euros in the 2023 fiscal year with its two segments Mobility & Battery Solutions and Industry Solutions. The shares (ISIN: DE000A0JQ5U3) are listed on the regulated market of the Frankfurt Stock Exchange (Prime Standard).

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