Press release

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

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

Bietigheim-Bissingen, 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 Schmüser (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

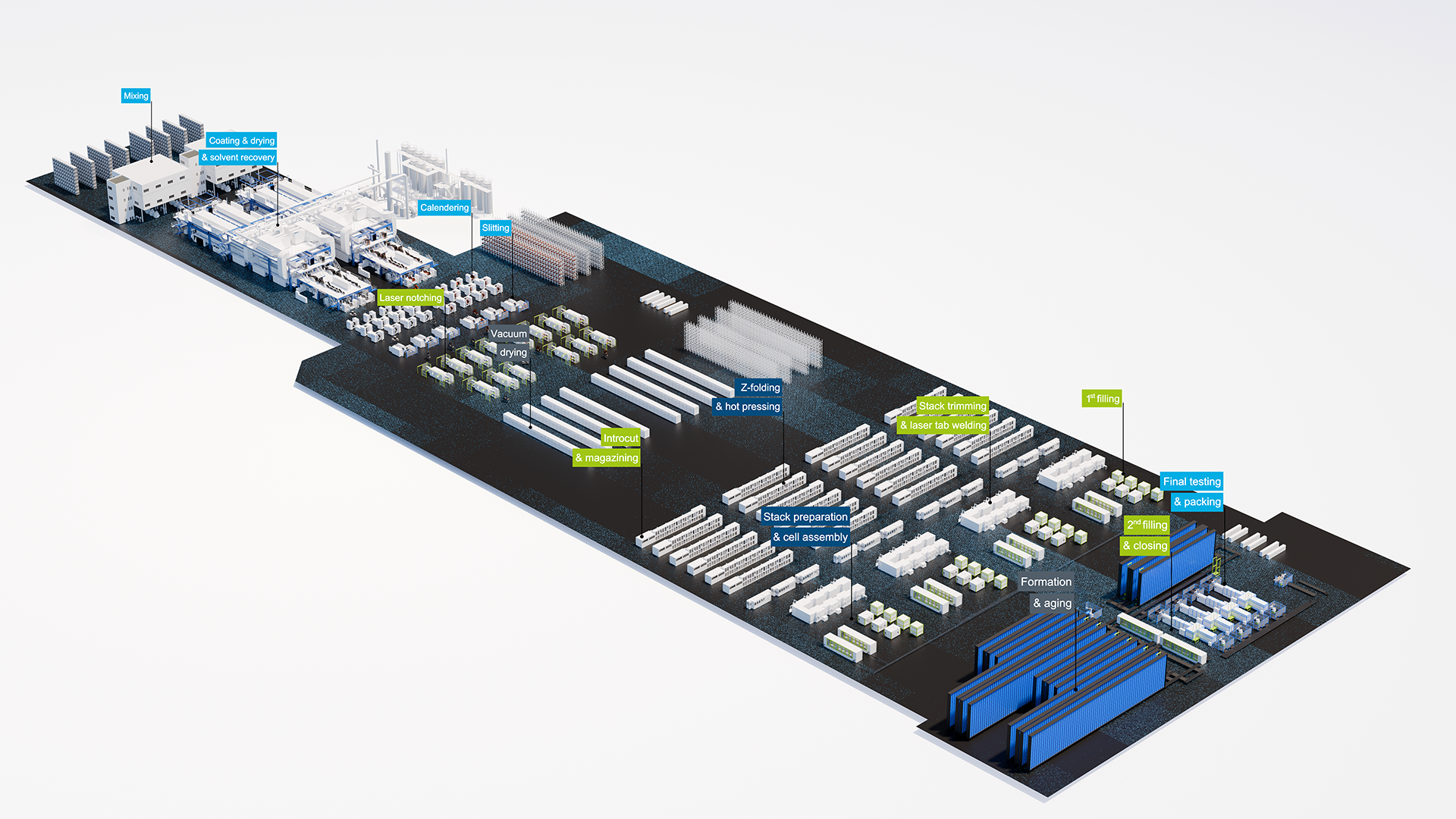


Figure 1: Dürr, GROB and Manz present the concept factory of a complete "made in Europe" battery production plant at the Battery Show Europe.

**About Dürr**

The Dürr Group is one of the world's leading mechanical and plant engineering firms with particular expertise in the technology fields of automation, digitalization, and energy efficiency. Its products, systems, and services enable highly efficient and sustainable manufacturing processes – mainly in the automotive industry and for producers of furniture and timber houses, but also in sectors such as the chemical and pharmaceutical industries, medical devices, electrical engineering, and battery production. In 2023, the company generated sales of €4.6 billion. The Dürr Group has around 20,500 employees and 142 business locations in 32 countries, and it operates in the market with five divisions:

* **Paint and Final Assembly Systems:** paint shops as well as final assembly, testing, and filling technology for the automotive industry
* **Application Technology:** robots and products for the automated application of paint, sealants, and adhesives
* **Clean Technology Systems:**air pollution control, coating systems for battery electrodes, and noise abatement systems
* **Industrial Automation Systems:**automated assembly and test systems for automotive components, medical devices, and consumer goods as well as balancing and diagnostic technology
* **Woodworking Machinery and Systems:**machinery and equipment for the woodworking industry

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