

Press release

January 2024

mts Maschinenbau GmbH – Specialist for stacking columns.

Smart transport solutions for the automated high-voltage battery production

mts offers stacking systems, transport containers, racks and feeding systems for automation. The company specializes in the safe and innovative buffering of all parts in automotive production. The aim is to design optimum solutions for the automation process, taking into account the requirements for parts location, process and fully automated further processing. This is why all mts products are based on the Automation Ready principle.

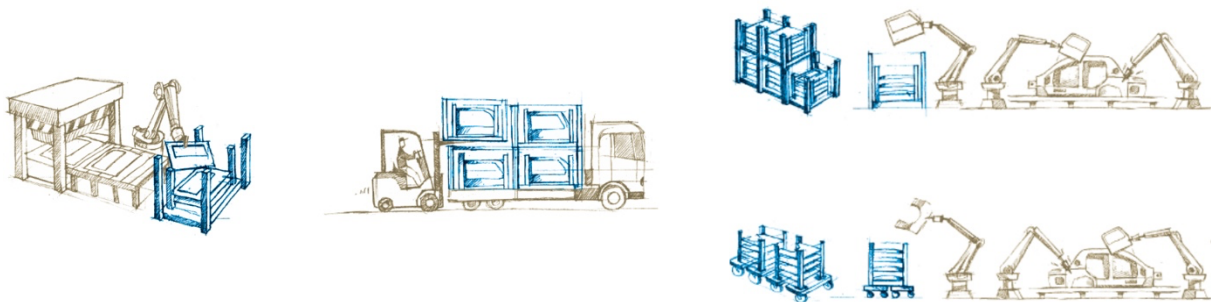


Illustration 1: Stacking columns for safe parts stacking, load carriers and buffer storage with maximum packing density and precise provision to the automation system.

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Smart transportation of high-voltage lithium-ion batteries

Above all, the customized solutions from mts ensure safe parts transport throughout the entire production process of electric vehicles. There is a particular focus on the safe handling of high-voltage (HV) lithium-ion batteries and the associated components during pack production. The challenges of transporting and storing such sensitive and powerful batteries and their components require specialized stacking systems and containers to ensure both safety and efficiency.

mts uses innovative stacking systems that are tailored to the special requirements of these high-voltage batteries. This includes not only physical safety during transport, but also safe storage to minimize potential risks. The solutions from mts not only take into account the technical aspects, but also legal requirements and standards in the area of transportation and storage of high-voltage batteries.

From cell production to the Gigafactory

The solutions include all crucial buffer and transport solutions, i.e. HV lithium-ion batteries and components for safe transportation and storage.



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From cell production, battery components to battery packs, i.O. car batteries to the Gigafactory, but also lithium-ion batteries classified as n.i.O critical. Transporting high-voltage lithium-ion batteries safely in any condition.

Partnership with ALSCO

The partnership between mts and ALSCO offers an optimal complement both in the portfolio offered and in the customer support it provides worldwide. ALSCO offers products and services that ideally complement mts' existing portfolio.

This cooperation enables both companies to offer automotive customers a comprehensive solution across their entire supply chain, worldwide. The strategic cooperation helps to overcome the challenges in automotive production and to strengthen the competitiveness of customers.

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Solutions for smart battery production ALSCO & mts



Illustration 2: ALSCO Cell Trays

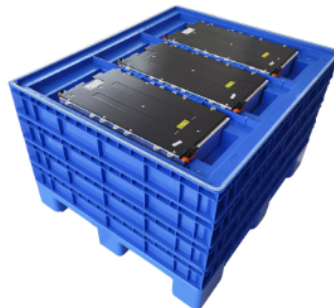


Illustration 3: ALSCO Battery Module Trays

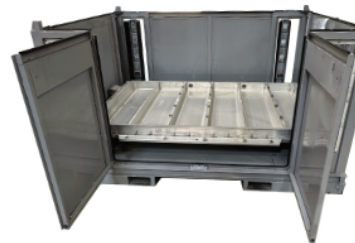


Illustration 4: mts Battery Component Racks



Illustration 5: ALSCO Battery Racks global

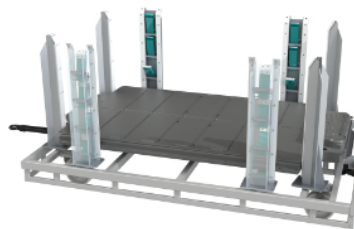


Illustration 6: mts Battery Racks domestic

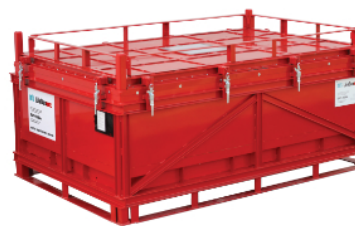


Illustration 7: Recycling and Second Life

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Internationally positioned

mts and AlSCO, with sites in Germany, Poland, the USA, Mexico and China, is present wherever electric vehicles and their HV batteries are built.



Illustration 8: mts is a global partner to the automotive industry