

How does a battery tray assembly work?

The battery tray assembly consists of several production steps. Depending on the battery design and manufacturing processes, manual tightening with bolt positioning and process control, or flow drill fastening with K-Flow technology can bring the needed process quality, productivity and flexibility.

What happens after a battery module is assembled?

After the battery module is assembled, it needs to be placed into the battery tray. As this tray is a key structural component of the vehicle as well as integral in protecting the battery cells, it needs to be of the highest strength and stability.

What are the different types of EV batteries?

EV batteries have become an integral part of the vehicle structure, making lithium-ion cell assembly and their integrity a safety-critical issue. One major differentiating feature of battery concepts and designs is the cell type. The typical cell types on the market are currently cylindrical cells, prismatic cells, and pouch cells.

What are the different types of battery cells?

The typical cell types on the market are currently cylindrical cells, prismatic cells, and pouch cells. Many manufacturers use prismatic cells since they can be stacked efficiently. We have outlined a complete battery assembly process for prismatic cells - from the single cell to the finished battery pack.

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