

New technology for battery cabinet assembly





Overview

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.

Why do batteries need to be reprogrammed?

Irregularities such as part tolerances, position deviations, or contaminations tend to complicate the process. Any error in this process step can damage the battery's exterior, lead to weak joints, harm the sensitive cells, and lead to dangerous short circuits affecting the performance and the overall safety of the battery.

How can rtvision improve the quality of a battery?

For quality assurance, you can add a vision solution to your application system. RTVision.s inspects the surface after the application and provides reliable feedback on the application quality. It recognizes gaps or edge blur. One of the last steps in battery manufacturing is joining the battery cover to the battery tray.

What is a high-end battery inspection system?

This high-end inspection is made possible with high-resolution 8 and 16k cameras and multi-scan technology with up to three simultaneous scans. When it comes to high-performance battery cells, the ISRA VISION PouchSTAR cell inspection system offers a complete 360° optical view of cells to ensure a 100 % comprehensive inspection.



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