

Efficient material supply: Automotive production

How QuickMOVE optimizes door assembly with a flexible, enclosed conveyor system



Challenges and initial situation

An automotive supplier was faced with a typical problem: lack of space

The assembly line for vehicle doors lacked the space to integrate all the necessary parts directly into the process. A wide variety of components, such as cable harnesses, exterior mirrors, and door handles, had to be supplied efficiently and without errors, without taking up too much space.

The customer was looking for a solution that would make processes space-saving, trouble-free, and flexible to the situation without requiring additional space.

The Solution

The use of QuickMOVE enabled flexible and automated material supply along the door assembly line. Standardized containers were provided in lean racks and served as pick zones for the kitting process. Picking was carried out efficiently and error-free with the support of RFID and pick-by-light systems, which showed employees exactly which part needed to be picked.

The components were then placed in specially designed baskets that reliably protected even sensitive components such as painted door handles from damage.



Image: Picking baskets on the QuickMOVE line

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The QuickMOVE system automatically transported the filled baskets to the assembly line, while the empty containers were returned in a closed loop and immediately reintegrated into the process.



Image: Automatic conveyor and return system

Contact

Please feel free to contact us and we will provide you with a personal consultation:



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