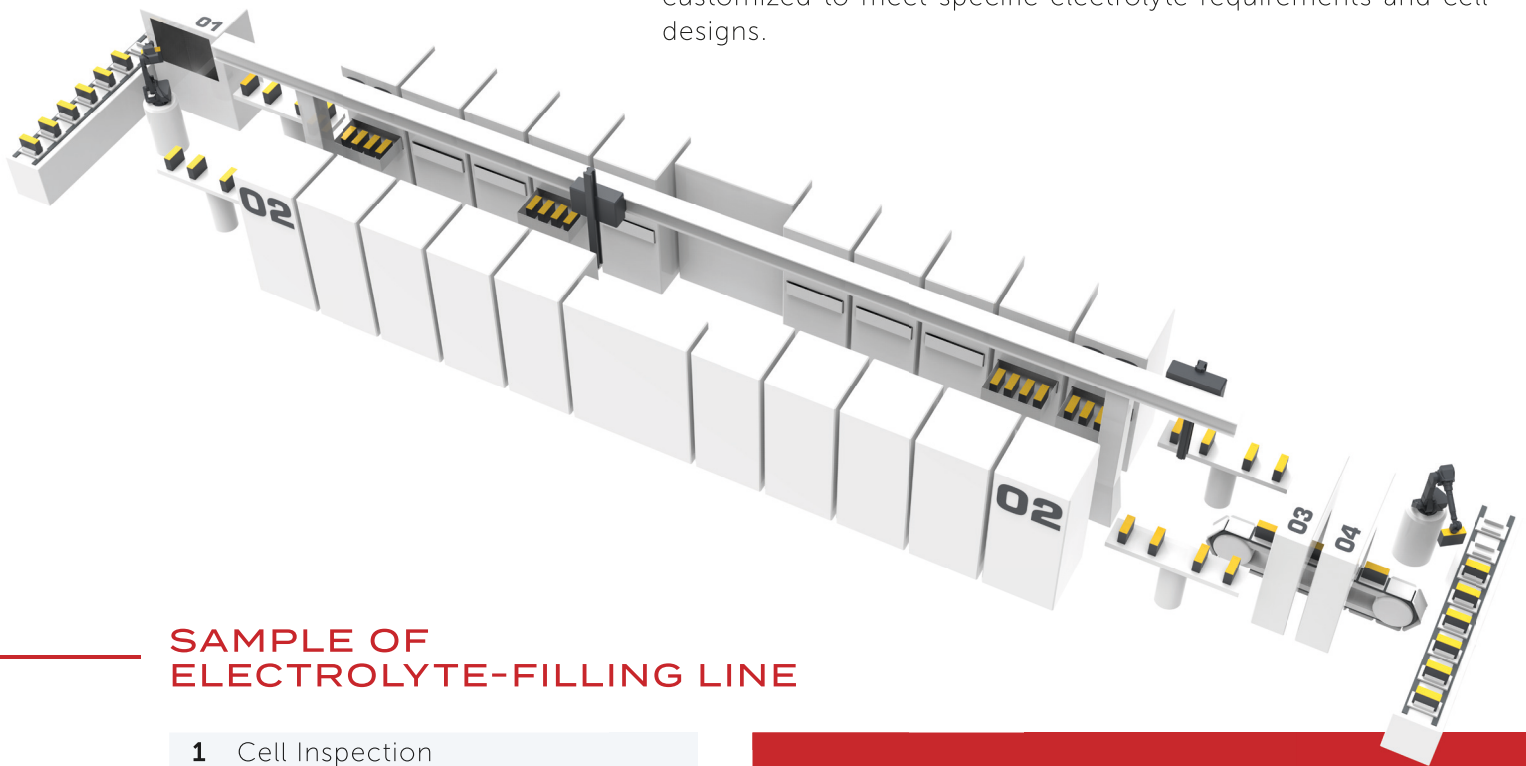


Customized Solutions

FOR ADVANCED BATTERY CELL MANUFACTURING

ELECTROLYTE-FILLING

STIWA's patented single-step electrolyte filling solution streamlines the battery cell manufacturing process. This innovative process eliminates the need for nitrogen, reducing operational complexity and costs while maintaining high quality. It can be customized to meet specific electrolyte requirements and cell designs.



SAMPLE OF ELECTROLYTE-FILLING LINE

- 1 Cell Inspection
- 2 Electrolyte Filling Stations
- 3 Cleaning Station
- 4 Final Sealing Pin Insertion

Highlights:

- Space & energy efficient design
(Reduced clean & dry room area due to Mini-Environments)
- Fast one-step-filling processes (75% time reduction)
- No Nitrogen needed



ENHANCING QUALITY, EFFICIENCY & PERFORMANCE

STIWA Automation specializes in providing tailor-made, integrated solutions for battery cell manufacturing. As a special machine manufacturer, we focus on enhancing quality, efficiency, and performance through customized automation solutions and controlled micro-environments, supporting the advancement of battery technology.

Integrated Process

Fully-Automated Electrolyte Filling, scalable solution.
Patented filling process with no need of nitrogen, energy and time saving process.

Mini-Environments

Mini-environment technology dramatically reduces the need for extensive clean & dry room spaces. This leads to substantial cost savings, potentially decreasing your cleanroom volume by up to 60%.



11

sites

>60

machines/year

40,000 sqm

production space

> 1,000

Employees

CONTACT



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STIWA **Automation** 



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