



Optimum Use of System Potential and Effectively Reduce OpEx Costs.

Advanced laminating and stacking technology for the cell assembly process

Technical Specifications BSL (Battery-Stacking-Lamination)

With our laminating and stacking technology, different cell shapes and formats can be processed with ease, this gives our customers the flexibility to optimally fulfill their production requirements. We have validated our systems in a gigawatt production environment to ensure they meet the most demanding requirements.



Features & Benefits

- Flexible, modular platform for laminating and stacking different cell designs and formats
- Simplified and fast cell assembly process
- Cross-industry use (from portable electronics to electric vehicles)
- Significantly less OpEx
- Key technology for the assembly of ASSBs
- > 30% less space required compared to Z-folding
- No loss of electrode alignment after lamination
- Technology validated for gigafactories

Facts

- Laminable separators with thermo-plastic polymer coating on the surface.
- The coating is usually based on PVDF or acrylate adhesive and can consist of an adhesive coating and ceramic particles.

Battery-Stacking-Lamination-System

Cell types	Mono, half and bi-cells
Cell formats	Pouch Prismatic
Cell designs	Axial and radial cells ≤ 650 mm length Cells with odd shape
Size (mono cell)	Width : 65 – 250 mm Length: 80 – 360 mm
Speed	≤ 750 mm/s ≤ 300 ppm