

All technical data presented represent typical results, unless stated otherwise as min/max values. No guarantee is made that material will meet exactly the values shown.

Heat Sealer for Fourth Side of Pouch with Vacuum Electrolyte Filling



The design and its dimensions are subject to change for further improvements.

Specifications

Objective: To heat seal a laminated pouch cell by impulse-sealer after filling electrolyte under vacuum. Three sides of the cell must be closed prior to this operation.

Sealing Method: Heat-bars

Min. Pressure: -90KPa, by Vacuum pump, monitored.

Electrolyte: Dispensed by tubing dispenser: T710 (no volume limit)
The electrolyte volume is controlled by # of rotations of the dispenser.

Cell size: 100mm x 100mm ~ 297mm x 210mm

Seal Width: 5 ~ 10mm

Temperature: ~ 300°C

Air (Ar.) supply: 0.5MPa, Terminal with PT1/4

Size: 680mmW x 400mmD x 800mmH

Weight: 80kg [HSTS-06], 19kg [vacuum pump]

Power: AC100V, 50/60 Hz, 15A

Flow-chart:

Vacuum > e-filling nozzle down > e-filling > e-filling nozzle up > heat-sealing > releasing to atmospheric pressure

*Time and the sequence are controlled digitally on the touch panel.

Application: Advanced energy

Product type: Machinery

Production scale: Lab, Pilot

Search tags: Hohsen, Machinery, Pouch sealer, Electrolyte filler