



Where We Can Help

The Secondary Battery Production Process

Electrode blending process

Materials are blended and processed to produce slurry for positive and negative electrodes.

1-1 Vacuum Oven

Electrode coating process

Electrode slurry are applied to an electrode collector and then dried.

The electrode is compressed in a rolling press to increase the density, and the electrode roll is dried.

Cell assembly process

The electrode roll is cut into required width and length, and positive electrode, binder, and negative electrode layers are applied. Contact terminals from which electrical energy is charged and discharged are attached to it, and the device is stored in a casing to form a cell.

Immersion process

The assembled cell is dried in the final drying process, and an electrolyte is injected in the cell for impregnation.

Gaskets and gas emission valve are set, and the cell is sealed with a lid.

1-2 Walk-In Type Temperature Chamber

Aging

Cell complete

The cell is aged under a high temperature.

2-1 Advanced Battery Tester

Inspection

Module complete

3-1 Temperature Chamber for Charge-Discharge Testing

3-2 Bench-top Type Temperature (& Humidity)
Chamber

3-3 Constant Climate Cabinet

3-4 Airborne Test Chamber for Batteries

3-5 Temperature & Vibration
Combined Environmental Test Chamber

Inspection

4-1 Advanced Safety Tester

4-2 Nail (Penetration)/Crush Test System

4-3 External Short Circuit Test System

4-4 Environmental Stress Chamber

Evaluation/ Test