

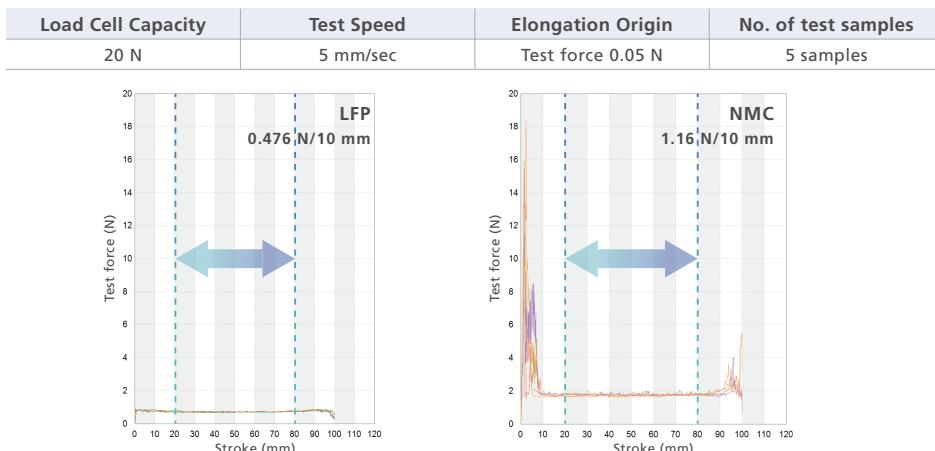
Evaluating Mechanical Properties for Battery Components and Materials

By replacing test jigs, various test can be performed on the same instrument.

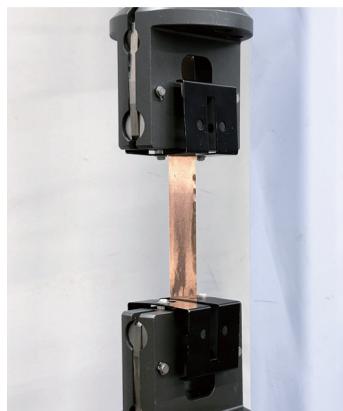
| Peeling Test for Measuring the Adhesion Between Electrode Sheets and Current Collectors



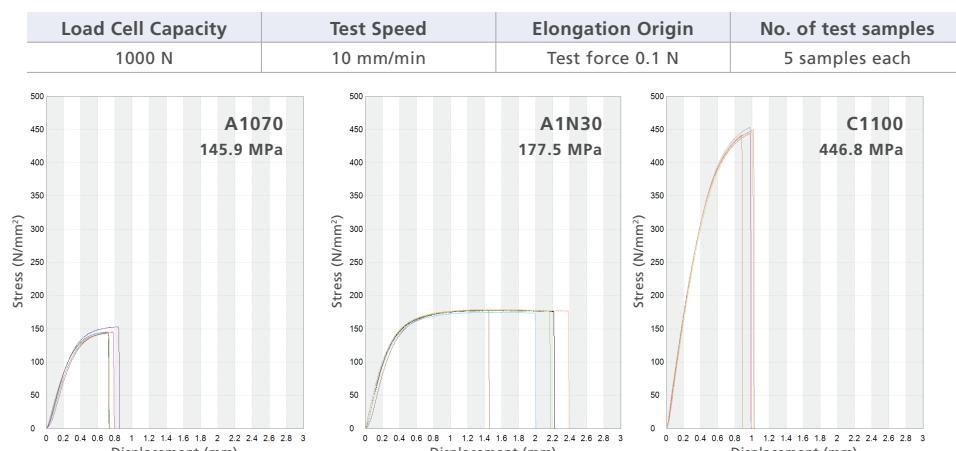
Tape Peeling Test Jig



| Tensile Test for Evaluating the Strength of Current Collectors (Can also be used for separators)



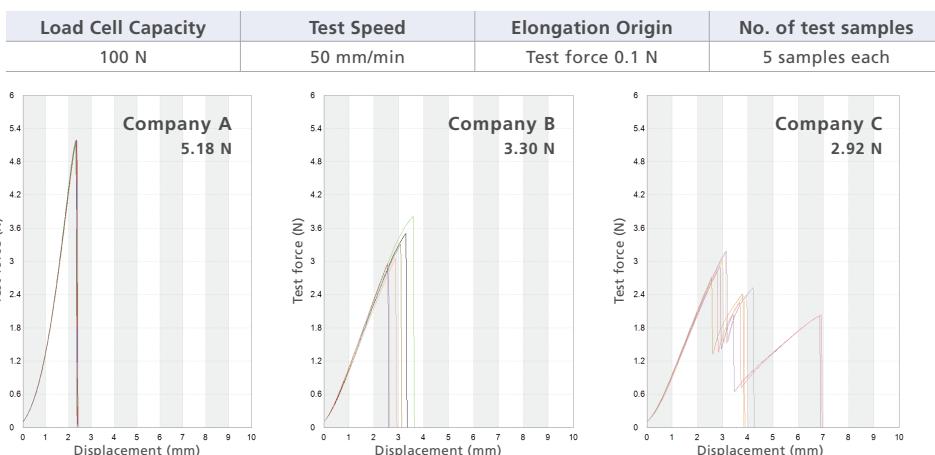
1 kN Grip for Foil



| Piercing Test for Assessing Separator Strength Against Foreign Contaminants and Dendrite Formation



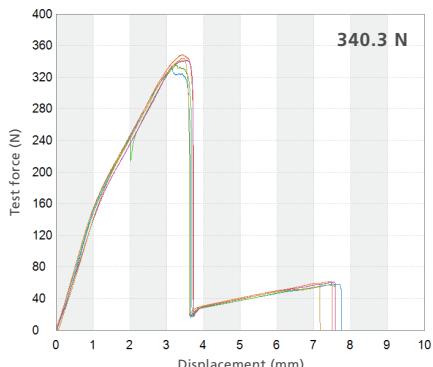
Piercing Test Jig



Tensile Test for Evaluating the Strength of Cell Cases (Can also be applied to welds)



5 kN Non-Shift Wedge-Type Grip
File Teeth for Flat Samples T14-21

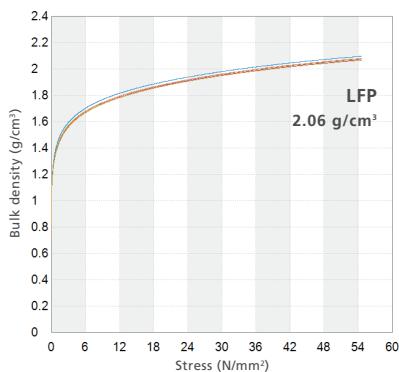


Load Cell Capacity	5000 N
Test Speed	10 mm/min
Elongation Origin	Test force 0.05 N
No. of test samples	5 samples

Compression Testing for Analyzing Pressure in Sheet Manufacturing Processes and Assessing the Density of Active Materials



Upper: Fixed Compression Plate 100 mm Dia.
Lower: Lower Compression Plate 118 mm Dia.



Load Cell Capacity	5000 N
Test Speed	5 mm/min
Elongation Origin	From the start
No. of test samples	5 samples

Table-Top Universal Testing Instruments

EZ Test

Versatile, Ergonomic Solution

- High-Accuracy Load Cell (ISO Class 0.5)
Ensures exceptional precision with guaranteed accuracy across a wide range, from 1/500 to 1/1 of the load cell capacity, enabling highly reliable testing.
- User-Friendly Low Table Design
Simplifies specimen and jig replacement, as well as other operations, for enhanced convenience and efficiency.
- Adjustable Independent Controller
Features an ergonomic, adjustable controller allowing for low-stress operation tailored to the user's position and comfort.
- Versatile Testing Capabilities
Supports testing at loads up to the system's maximum capacity (500 N or 5 kN) across a full speed range of 0.001 to 1,000 mm/min, with compatibility for a wide variety of jigs to accommodate diverse test evaluations.



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