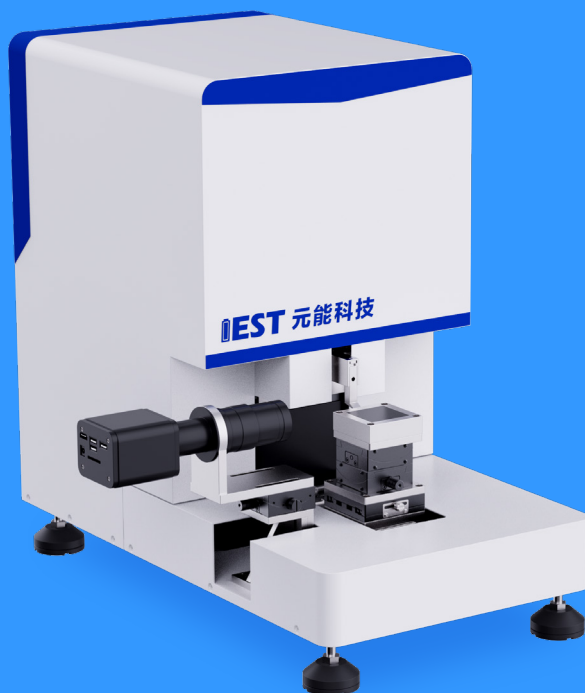


Electrode Coating Peel Strength Tester

▶ LECF Series



Application Cases

Peel Force / Strength Comparison



Single-Sided Electrode



Double-Sided Electrode

Different Depths



Different Processing Conditions

Disassembled Electrodes, Dry-Processed Electrodes, Solid-State Electrodes, etc.

More Application Scenarios

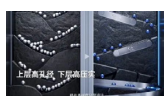
Scenario: Evaluation of peel strength on samples at different coating depths or under different processing conditions to assess cohesive strength and structural changes.

Composition / Uniformity Evaluation

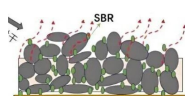


Active-Material Differences
Binder Differences

Processes Differences



Layered Design



SBR Floating

Scenario: Content variations induced by composition differences in samples with different processes or gradient designs, caused by factors such as binder floating, etc.

Powder & Electrode Sample Preparation



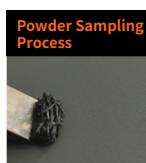
Cathode



Anode



Disassembly



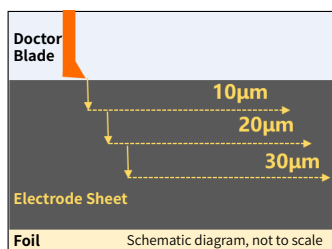
Powder Sampling Process

Preparation of Samples with Different Coating Depths

Scenario: Samples from different depths of the electrode sheet are prepared and subjected to corresponding characterization methods to reveal the compositional and structural information.

The LECF provides deeper insights into electrode sheets, supporting the development of high-performance electrodes.

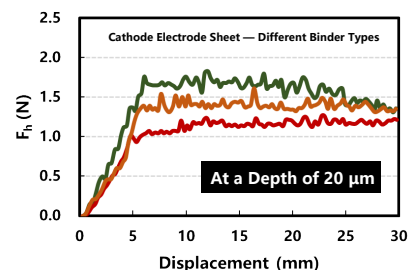
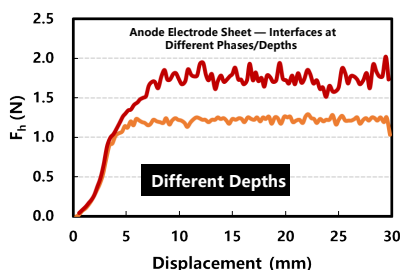
Innovative Solution



Based on micron-level layered scraping technology



Precisely peels electrode coatings at different depths/Obtains peel-force and cohesive-strength data.



Specifications

Model		LECF1000
Dimensions and Weight	Overall Dimensions	500*700*600 mm
	Weight	Approx. 40 kg
Sensor	Measurement Range	10N
	Repeatability	0.02N
	Resolution	0.01N
Blade	Material	Tungsten Steel/ Diamond / Boron Nitride, Customizable
	Size	1 mm/3 mm/5 mm, Customizable

Initial Energy Science&Technology (Xiamen) Co., Ltd.

Tel: (86)592-5367060

Fax: (86)592-5367062

Mail: info@iesttech.com

Web: www.iestbattery.com

Add: Bldg 2, Anren Ind. Park, No. 1068-3, Jimei North Avenue, Jimei District, Xiamen, China.

IEST 3 Major Business

- ▶ Battery R&D Solutions
- ▶ Battery Testing Service
- ▶ Battery Testing Instruments



IEST WeChat



IEST Instruments



IEST Instruments