



### 1 | Dynamic image analysis

[Litesizer DIA 700](#)

Measurement of particle size and shape in the micrometer range

### 2 | Gas pycnometry

[Ultrapyc 5000/7000](#)

Analysis of skeletal (true) density

### 3 | Tapped density measurement

[Ultratap 500 Twin](#)

Tapped density measurement of dry battery electrode materials

### 4 | BET surface area analysis

[Nova 800](#)

Analysis of specific surface area and pore size distribution

### 5 | Mercury porosimetry

[PoreMaster 60](#)

Analysis of mercury intrusion pore size

### 6 | X-ray diffraction

[XRDynamic 500](#)

Crystallographic analysis

### 7 | Extrusion

[Brabender TwinLab B-TSE-S 20/40](#)

Lab- and pilot-scale extrusion for material and process development

### 8 | Dynamic mechanical analysis

[MCR 703 MultiDrive](#)

Analysis of free-standing film

### 9 | Surface and scratch testing

[MCT<sup>3</sup> on Step 500](#)

Micromechanical mapping, nanoindentation, and scratch testing

### 10 | Powder rheology

[MCR 503 with CTD 600 Shear Cell](#)

Analysis of powder flow behavior

### 11 | Laboratory mixing

[Brabender W50 EHT](#)

Small-scale mixing

### 12 | Laboratory mixing and extrusion

[Brabender TSC 42/6](#)

Lab- and pilot-scale mixing and extrusion for material and process development

# Dry Battery Electrode Setup

Innovation in the battery industry

Specialized solutions that expand  
analytical possibilities and support  
innovation across dry battery electrode  
development and production



Find out more