

# Ampcera Delivers Innovative Solutions With Dry Electrode Processing Service

**Tucson, Arizona Oct 1, 2026 ([IssueWire.com](https://www.IssueWire.com))** - Ampcera is supporting battery researchers and developers with advanced electrode processing solutions for next generation energy storage. Its [dry electrode processing service](#) is designed to help teams explore new cathode formulations and develop electrodes for solid state battery research and other advanced battery projects.

Dry electrode processing is gaining attention as researchers look for alternatives to traditional wet electrode methods. Instead of relying on a liquid slurry, dry processing works with powder based materials. This approach can help research teams study different electrode structures while reducing the need for solvent based processing steps.

Ampcera provides practical support for teams that want to investigate this technology without developing every processing capability in house. Its service can support cathode composite powder mixing, kneading, and dry electrode fabrication.

## Supporting Flexible Battery Research

Battery development often requires testing different combinations of active materials, electrolytes, and conductive components. A flexible processing approach can help researchers compare these combinations more efficiently.

Ampcera works with advanced cathode materials and sulfide solid electrolytes. Customers can provide their own cathode and catholyte materials or select suitable materials from Ampcera's portfolio.

The company uses high speed mixing to help create a uniform powder mixture. The mixed material can then be converted into a kneaded form and rolled into a cathode film template.

This process gives researchers a practical way to prepare electrodes for further testing and cell development.

## Designed for Solid State Battery Development

Solid state batteries require careful attention to the contact between different materials. Cathode composition, solid electrolyte selection, electrode structure, and processing conditions can all affect the final cell.

Ampcera's dry electrode processing service supports research teams working with these advanced material systems. By combining electrode processing with its broader battery material portfolio, Ampcera helps researchers explore different approaches to solid state battery development.

The service can be useful for laboratory studies, material evaluation, prototype work, and early stage battery development.

## A Practical Approach to Electrode Fabrication

Ampcera's processing workflow is focused on turning selected powder materials into usable cathode

films. The company states that its standard dry processed cathode film template is approximately 1 mm thick, with thinner films available upon request.

The exact processing requirements can depend on the materials and goals of each project. Researchers can discuss their material selection, target electrode structure, and development needs with Ampcera when planning a project.

This practical approach allows teams to focus on battery research while using specialized processing capabilities when needed.

## **Supporting Next Generation Energy Storage**

The development of better batteries requires progress across materials, processing, testing, and cell design. Dry electrode technology is one area where researchers are exploring new ways to prepare battery electrodes.

Ampcera combines dry electrode processing with other battery research solutions, including sulfide solid electrolytes, coated cathode materials, electrolyte film services, and battery development equipment.

This wider range of solutions can help research teams connect material development with electrode fabrication and cell testing.

As interest in solid state batteries continues to grow, access to practical processing services can help researchers move ideas from material studies toward working prototypes.

## **About Ampcera**

Ampcera is a battery materials and technology company focused on next generation energy storage and solid state battery research. The company provides sulfide solid electrolytes, coated cathode materials, dry electrode processing, electrolyte film services, and other battery development solutions.

Ampcera works with researchers, engineers, and battery developers to support material evaluation, electrode development, prototype work, and advanced battery research.

Through its focus on materials and practical processing capabilities, Ampcera aims to support continued innovation in solid state batteries and future energy storage technologies.

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<https://www.ampcera.com/products/ampcera-service-dry-process-kneading>

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