



# Charging Ahead

To provide innovative products and services for automotive, energy storage systems, and mobile batteries solutions



Safety and Cleanroom Products



Chemicals



Equipment and Instruments



Laboratory Supplies

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 **fisher scientific**  
part of Thermo Fisher Scientific

# Battery and Energy Storage

From raw materials to production of anodes and cathodes, battery cells, housing, and final module assembly, we can provide you with a range of chemicals, consumables, and PPE to meet your most demanding manufacturing requirements.

We can also supply a range of equipment, instruments, and apparatus to support your continuous formulation, analytical testing, and QC and QA of source materials, manufactured components, and final products.

This includes dedicated battery test chambers optimized in accordance with the Global Standard Legislation EUCAR Hazard Levels 0 to 7, UL 1642 Standard for Lithium Batteries, UL 2054 Household and Commercial Batteries, and IEC 62133 Safety Requirements for Portable Sealed Secondary Cells.

We can also offer:

- Incubators, circulating baths, and controlled environments solutions including climate chambers for storage and ageing testing
- Titrators, viscometers, digital imaging systems, and chromatographic and spectrophotometric systems for characterization and performance testing

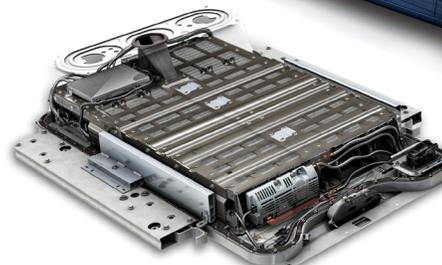


We also support R&D of new and innovative products with a wide selection of chemicals and equipment and first-class sales, technical, and customer support.

- Analytical balances, electrochemistry meters, and accessories
- High-purity chemicals: nickel, graphite, cobalt, lithium, sulfur, copper, and carbon
- Microscopes, plastics, and glassware
- Carts, furniture, pumps, and ovens

In short, we will help you develop and deliver:

- Successful, profitable battery products that store energy and deliver current
- Batteries tested for endurance and mechanical integrity under different environmental conditions
- Personal safety at all stages of the manufacturing lifecycle



## Automotive to Mobility Solutions

From formulation and research to final manufacture, we provide a comprehensive catalog of analytical consumables, instruments, and PPE to support a range of operations such

as basic engineering, prototyping, and the characterization and process integration of smaller, stronger, and lighter materials.

**Our instrument and equipment portfolio is ideal for the analysis and testing of:**

- Anodes, cathodes, and separators
- Metal paints and other coatings
- Corrosion, attrition, and other wear and tear
- Particulates and emissions
- Tire cord adhesion and carbon black chemistry
- Synthetic lubricant additives
- Upholstery testing
- Failure analysis
- Temperature control
- Recycling testing

**Our temperature control (bath and circulator) systems:**

- Offer a wide temperature range without bath fluid changes
- Deliver quick temperature changes to simulate the cooling circuits of vehicles or environmental fluctuations
- Reliably control test specimens, optimize heat input and dissipation, and simulate environmental conditions during highly sensitive investigations

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We Scale with Your Needs



# Choice and Convenience

## Chemicals and Reagents

Find a comprehensive range of high-purity metals and other materials, catalysts and catalytic components, anodic and cathodic constituents, organics, inorganics, solvents, and general reagents from our Thermo Scientific, Fisher Chemical, Honeywell, and TCI portfolios.

Specialized chemical services are also available, including solvents or solvent blends tailored to your specifications, customized pack sizes or pack labeling, supply chain control and integrity, special testing capabilities, and inventory management with lot control.

Visit [fishersci.com/chemical-contact](http://fishersci.com/chemical-contact) or [fishersci.ca/chemical-contact](http://fishersci.ca/chemical-contact) to contact a chemical specialist today.



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## Lab Essentials, Consumables, and Equipment

Look to the Fisher Scientific channel for one of the most complete lab supplies portfolios available, sourced from the following key suppliers:



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Visit [fishersci.com/heating-cooling](http://fishersci.com/heating-cooling) or [fishersci.ca/heating-cooling](http://fishersci.ca/heating-cooling) to shop heating and cooling products.

Visit [fishersci.com/lab-consumables](http://fishersci.com/lab-consumables) or [fishersci.ca/lab-consumables](http://fishersci.ca/lab-consumables) to shop supplies and essentials.

Visit [fishersci.com/battery](http://fishersci.com/battery) or [fishersci.ca/battery](http://fishersci.ca/battery) to shop and learn more.

# Safety Products

Rely on our broad selection of personal protective equipment. We also offer spill control materials and a new range of industrial-scale battery storage and

charging cabinets in addition to solutions for the safe storage of harmful and flammable chemicals and gases.

Keep your people safe with our proven experience. Visit [fishersci.com/contact-safety-specialist](https://fishersci.com/contact-safety-specialist) or [fishersci.ca/contact-safety-specialist](https://fishersci.ca/contact-safety-specialist) to contact our safety specialist team.



## Protecting What Matters Most

From safeguarding your people and ensuring compliance to reinforcing the integrity of your work, you can count on our specialists, industry-leading products, procurement services, and best-in-class distribution network to help protect your people, processes, and facilities.

Visit [fishersci.com/safety](https://fishersci.com/safety) or [fishersci.ca/safety](https://fishersci.ca/safety) to explore an extensive collection of safety and controlled environments solutions.

## Minimizing Risk in Controlled Environments

As you work to meet the exact specifications and requirements of your controlled environment, lean on our broad contamination control offering for efficiency and compliance. From apparel to cleaners and disinfectants, you'll find the solutions you need to minimize contamination.

Visit [fishersci.com/contamination-control](https://fishersci.com/contamination-control) or [fishersci.ca/contamination-control](https://fishersci.ca/contamination-control) to access specialists, innovative resources and programs, and products from top brands.

## Services & Programs

The Fisher Scientific channel offers services and programs to help you optimize chemical storage, improve document traceability, source products for production applications, and more. You'll also find special offers to make the most of your budget.

## Chemical Storage and Management Resource Center

Access safety data sheets, product certificates, chemical specialists, and other resources to keep your chemical storage program up to date.

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## Document Traceability

Gain an added level of assurance that our products come with document traceability and an enhanced quality guarantee through our SureTRACE program.

Visit [fishersci.com/suretrace](https://fishersci.com/suretrace) to learn more.

U.S. only

## Global Solutions

Count on a team of experts to help you navigate global trade and compliance issues and create efficiencies as you access products and services worldwide.

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## Unity Lab Services

Take advantage of service plans, compliance services, and preventive maintenance programs with Unity™ Lab Services solutions.

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## Production Essentials

Discover a secure, reliable source for production products from top brands and value-added services to support every stage of your workflow.

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## Special Offers and Programs

Save on products from consumables to equipment and explore a range of programs that can help you with everything from same-day shipping to sustainability.

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