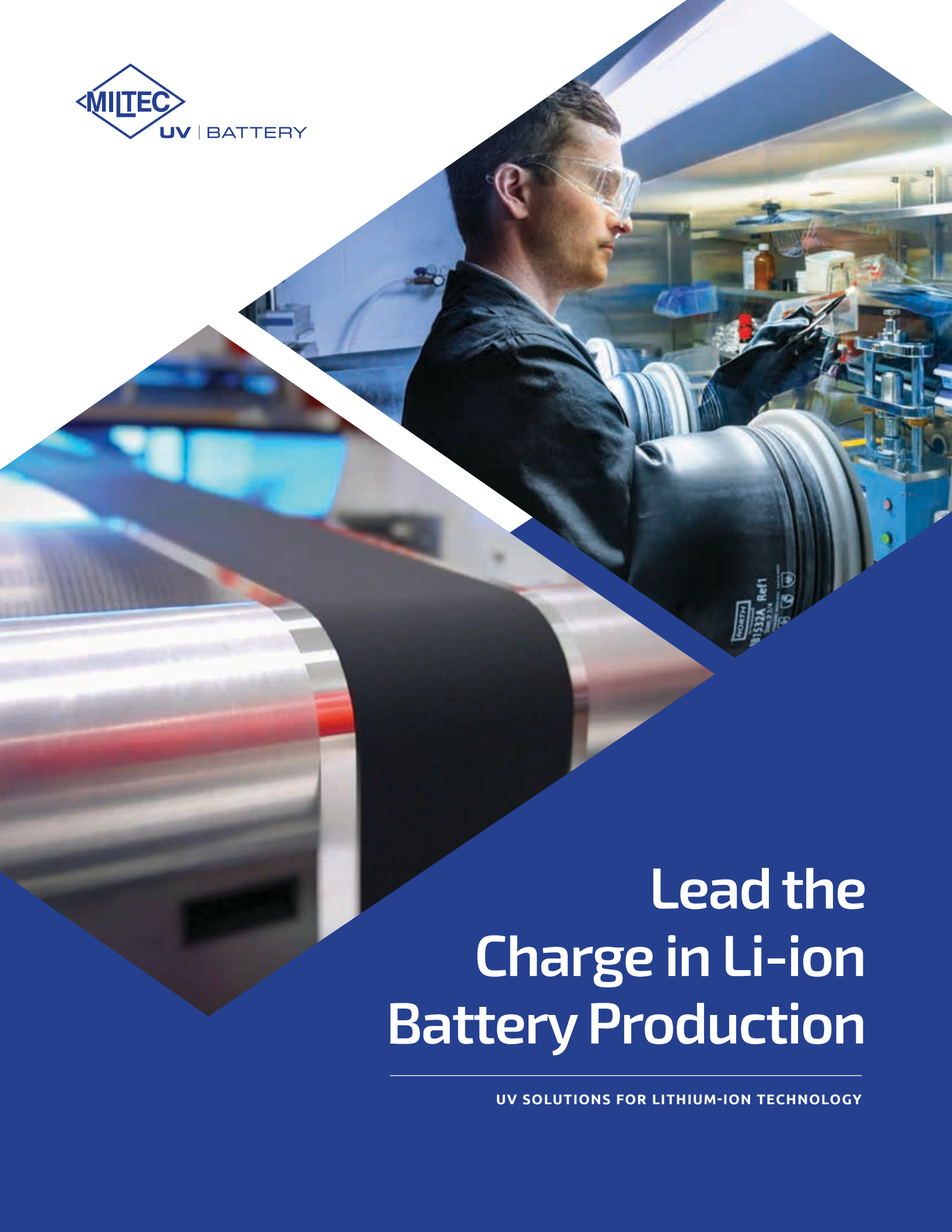




UV | BATTERY



# Lead the Charge in Li-ion Battery Production

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UV SOLUTIONS FOR LITHIUM-ION TECHNOLOGY



# There's a better way to build a battery.

The next generation of lithium-ion battery production is environmentally friendly, safer, more cost effective—**and available today.**

Dedicating over ten years to bringing the benefits of UV curing to battery production, Miltec has:

- More than 30 years experience as an established manufacturer of industrial UV curing systems.
- A dedicated staff of chemists and process engineers focused on scaling up UV technology for industrial use.
- Research and development supported by the U.S. Department of Energy and the U.S. Defense Logistics Agency.

## What is UV Curing?

UV curing is an eco-friendly process that uses UV light instead of thermal energy to quickly and permanently cure coatings used in many industries including automotive, optical fiber, printing, converting and flooring. The process of UV curing is safe, fast, and low-cost.



## Eliminate toxic solvents and complex drying methods from your production process with UV-curable cathodes.

Groundbreaking chemistry meets quality engineering to solve two of the greatest challenges in battery manufacturing—reducing energy costs and eliminating the need for NMP.

Miltec's patented cathode binder chemistries are formulated to rapidly polymerize under high intensity UV light. This means traditional thermal drying ovens can be replaced by a single UV curing unit, substantially reducing energy costs and increasing production line speed. This method also eliminates the need for NMP and its costly recovery process. The result is a win-win— an 85% reduction in manufacturing cost and a significantly lower impact on the environment.

Miltec binder chemistry and equipment can be tested on your pilot line, or integrated into your current line for testing and evaluation. To learn more, visit [battery.miltec.com](http://battery.miltec.com).

### MILTEC CATHODE TECHNOLOGIES:

**>85%**

*Reduction in manufacturing costs*

**100%**

*NMP-free*

**>80%**

*Reduction in production line length*

### Pilot your solution:

410-604-2900

[battery@miltec.com](mailto:battery@miltec.com)

Conventional Production Line





## Miltec is leading the charge in Li-ion battery technology.

For over 30 years, Miltec has been a global leader in UV curing research and technology, bringing together innovative UV chemistry and quality engineering to solve complex manufacturing challenges.

Our research and development initiatives include:

**SOLID STATE BATTERIES**



**SEPARATOR COATINGS**



**ANODE COATINGS & BINDERS**



**LITHIUM-SULFUR BATTERIES**



**GEL POLYMER ELECTROLYTES**

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