



METER MIX DISPENSE SYSTEM ENGINEERED FOR H.B. FULLER® BATTERY SOLUTIONS



**S-SERIES METER MIX DISPENSE
SYSTEM BY FLUID RESEARCH®**

The S-Series features a compact, two-component system engineered for efficiency and high-quality performance, with real-time monitoring and an integrated Coriolis flow meter.

Designed around H.B. Fuller® battery adhesive and sealant technologies, the S-Series is your go-to system for gasket creation, battery pack encapsulation, and cold plate material dispensing.

The S-Series monitors dispensing, flow rates and multiple variables, manages numerous programmed shots, and offers:



Reliability: Equipment longevity, low cost of ownership, and high-quality mixing.



Sustainability: Nitrogen-free design that enhances safety while reducing cost and complexity.



Effortlessness: Variable ratio, programmable flow rates, and tool-less calibration all managed by our Sentinel Logic® control interface.





POWERED BY SENTINEL LOGIC®

Designed for simplicity, Sentinel Logic® offers an intuitive touchscreen interface for controlling flow rate, ratio, shot volumes, heater, and tank status, managing virtually unlimited dispense profiles.



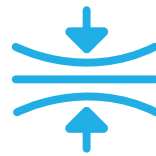
MACHINE FEATURES

- 1 to 30 gallon stainless tanks
- Static-dynamic mixing
- Stat-a-Seal dispense head
- High & low level sensing with auto refill from bulk
- Customizable Material Management Unit
- Desiccant dryer
- Vacuum degassing
- Compatible with NeverEmpty™ Material Management Unit, pail, or drum rams

MATERIAL COMPATABILITY

- Polyurethane Foams & Elastomers
- Methyl Methacrylate (MMA)
- UV-Acrylate
- Epoxy
- Silicone
- Highly Filled Materials

SYSTEM ADVANTAGES



Compact Footprint:

Compact design saves floor space and eliminates nitrogen-related safety risks.



Low Maintenance:

Modular head allows quick, clean changeovers, minimizing downtime.



Constant Monitoring:

Self-monitors material density for continuous flow with Sentinel Logic® interface.

FEATURED SOLUTION: H.B. FULLER® EV PROTECT™ 5006 FLAME RETARDANT ENCAPSULATION FOAM

H.B. Fuller® EV Protect™ foams are flame retardant polyurethanes designed for potting and encapsulation of battery cells and modules. These foams minimize thermal propagation risks and provide noise, vibration, and harshness benefits.

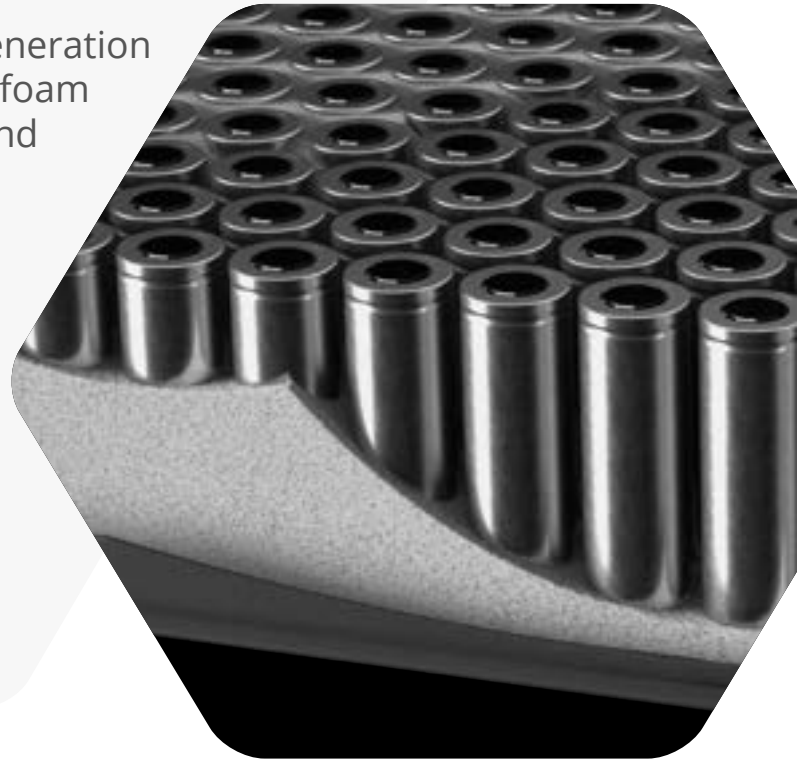
The EV Protect™ 5006 is H.B. Fuller's® next generation of ultra-lightweight, fire retardant, protective foam encapsulants. The low viscosity liquid flows and self-levels at the bottom of the enclosure and after curing, creates a semi-structural foam. When exposed to a thermal event, the foam will absorb, isolate, and insulate the cells to reduce the chances of thermal propagation.



H.B. Fuller

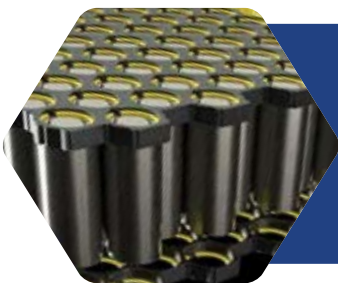


Engineering Adhesives



Uniform Protection: Is available for uniform material application, which is a valuable aspect for inhibiting thermal propagation and minimizing component stress.

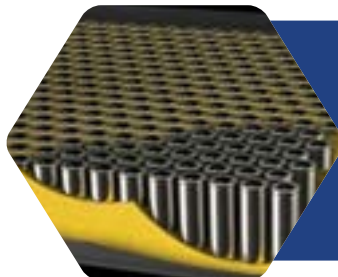
H.B. FULLER® FEATURED APPLICATIONS



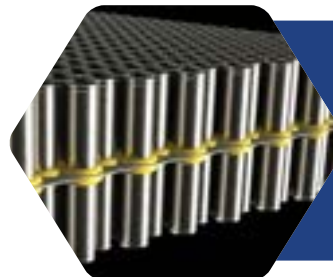
EV Bond: Ideal adhesive solutions for battery pack modules and bonding dissimilar substrates.



EV Seal: Resealable design protects battery pack from moisture, humidity, and environmental exposure.



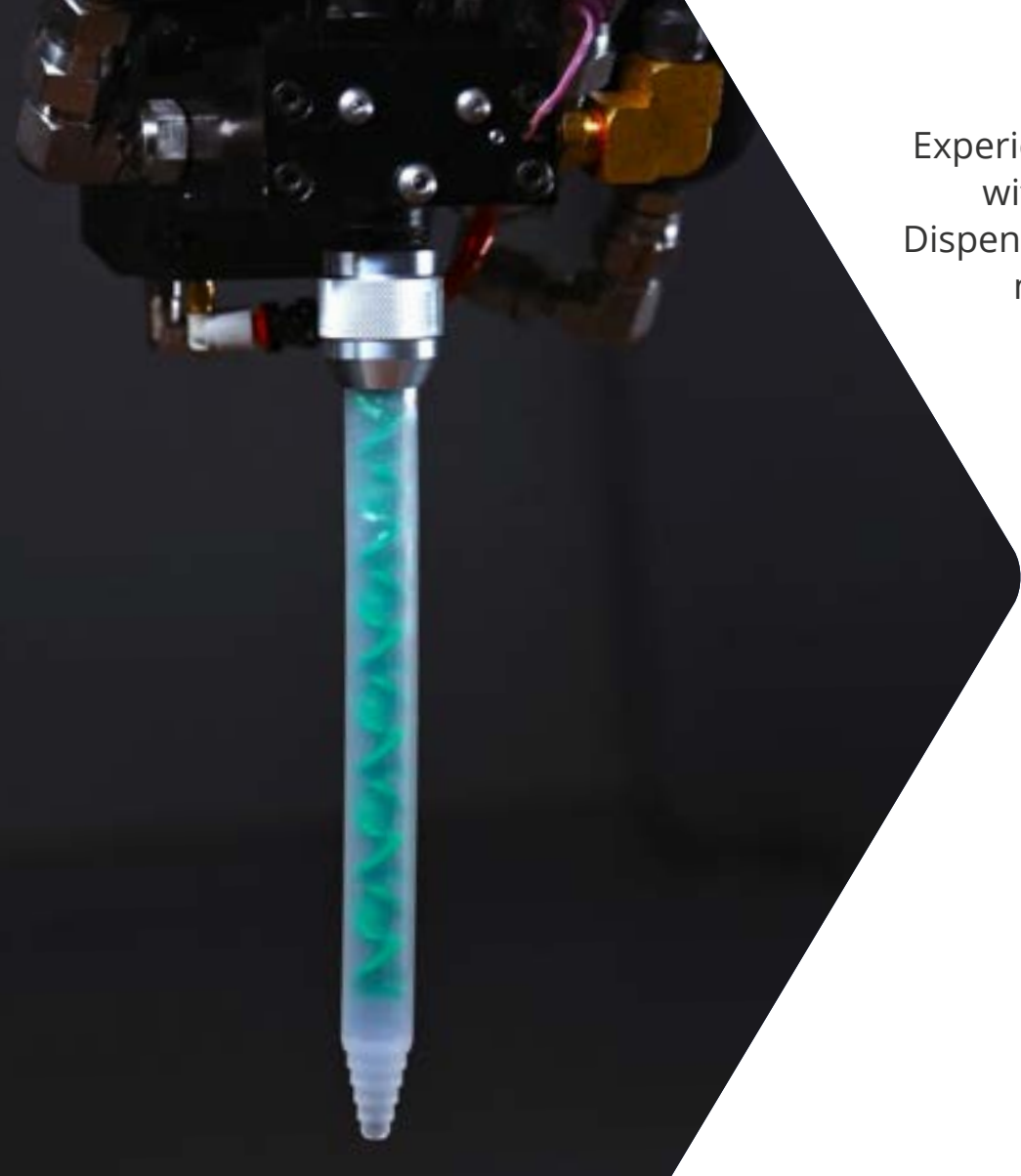
EV Protect™: Helps isolate thermal runaway, insulate adjacent cells, and helps reduce risk of thermal propagation.



EV Therm: Helps to enhance heat transfer between battery cells and cooling systems, minimizing heat retention.

H.B. Fuller® is a registered trademark of H.B. Fuller Company. EV Protect™ is a trademark of H.B. Fuller Company.

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Experience the future of dispensing with the S-Series Meter Mix Dispense System. Revolutionize your manufacturing process.

Contact us today.

Scan the QR code below for more information.



Fluid Research is a manufacturer of meter mixing, and liquid dispensing systems, including standard, specialized benchtop, and fully automated machines for any size job.

With our extensive adhesive, specialty chemical, and dispensing equipment expertise, Ellsworth Adhesives is your total solutions provider. Contact us to discuss the S-Series Meter Mix Dispense system as well as all your application needs.

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