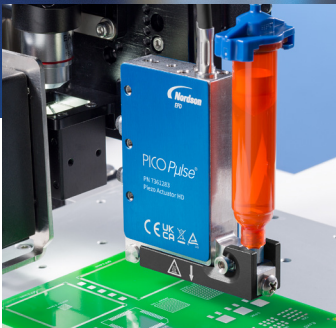
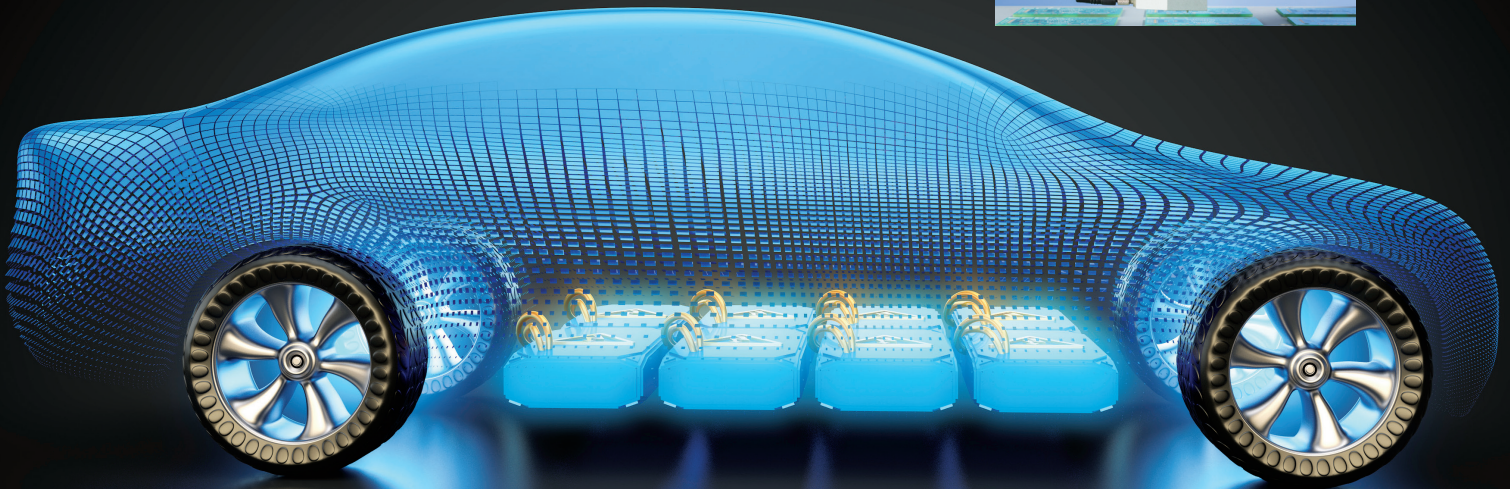
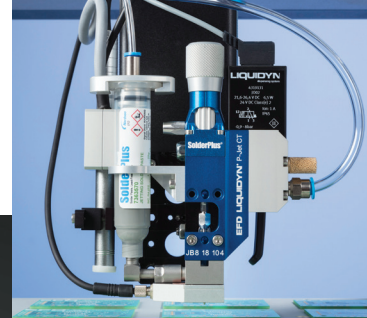


# Applications for the Electric Vehicle (EV) Industry

## Precision dispensing solutions for battery cell manufacturing

The battery is the key to the performance of an electric vehicle. Its lifetime and quality determine the driving range and overall safety. As a result, design engineers spend significant time optimizing the Battery Management System and the thermal management of the entire battery pack.

Nordson EFD helps dispense thermally conductive adhesives, thermal interface materials, and other types of structural adhesives within the battery pack. Our broad range of precision dispensing solutions include benchtop dispensers, dispense and spray valves, innovative jetting technologies, and automated dispensing robots.

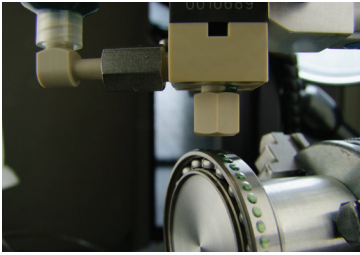


### Sample Applications

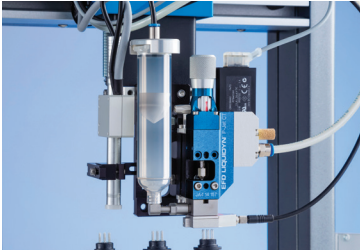
- Battery assembly
- Cathode coating
- TIM dispensing
- Component bonding
- Electronics potting
- Module sealing
- Solder paste dispensing
- Battery cell bonding
- Anode-to-cathode bonding
- Anode coating (spraying)
- Electrolyte filling



## Anaerobics



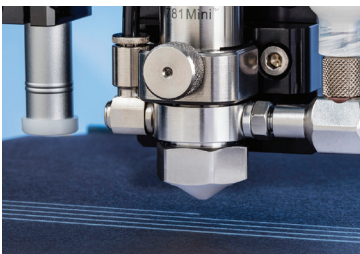
## Cyanoacrylates



## Epoxies



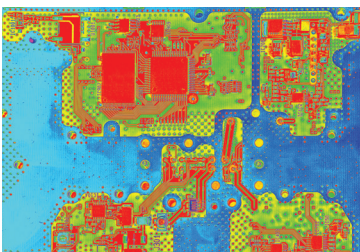
## Adhesives



## Solder Materials



## Thermal Interface Materials



## For use with

**Solder Material**  
**Thermal Interface Material**  
**Electrically Conductive Adhesive**  
**Conformal Coating**  
**Module Sealant**  
**Structural Adhesive**  
**Thread Locking Adhesive**

## Optimize Your Dispensing Process

Industry estimates indicate that the battery is one third of the cost of an electric vehicle. As the market demand for EV cars continues to increase, cell manufacturers need to address this demand by using efficient manufacturing processes to reduce the cost of the battery pack.

Nordson EFD delivers precise, reliable fluid dispensing systems to help manufacturers meet their efficiency needs. Our dispensing systems deliver highly repeatable, consistent fluid deposits while reducing material waste, rejects, and rework.

## Request a Process Evaluation

Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:

- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.



**EFD**

For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to [www.nordsonefd.com](http://www.nordsonefd.com).

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