

# Innovative Adhesive Solutions for EV Battery Systems

Improve electric battery production at every  
stage with precision technology solutions

# Nordson At A Glance

Our expertise in production solutions is powered by a dedication to innovation.

Nordson's automated systems have been revolutionizing automotive production lines for decades. And now we're doing the same for the battery manufacturing industry, by accelerating production with zero compromise on quality. The systems we deploy are purpose built to meet and exceed the demanding standards of the battery industry. With the most comprehensive range of adhesive application solutions, our technology can be configured to meet the most demanding production specifications, however stringent.



# Why Nordson?

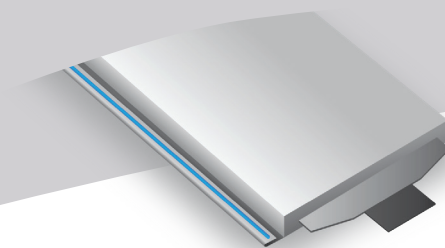
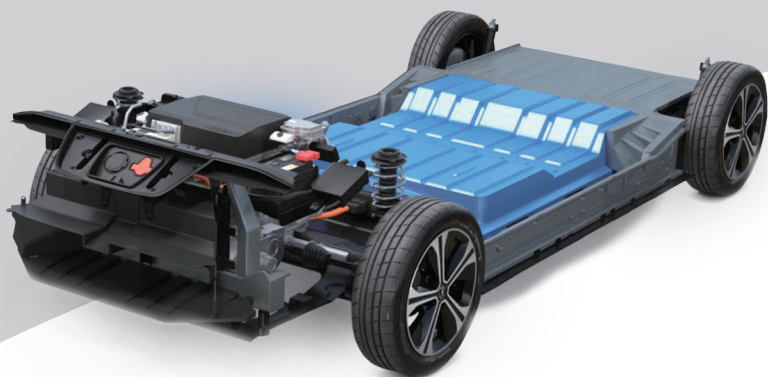
For more than 60 years, Nordson has been at the forefront of designing and producing adhesive dispensing systems for manufacturing operations worldwide. Nordson is the world leader in precision dispensing technology to the EV Battery industry. Did you know the world's largest mobile technology companies rely on Nordson for over 50 applications per device or that Nordson currently powers over 1 million electric vehicles globally? The top ten battery manufacturers count on Nordson to deliver design and engineer systems specific for their application. Our Innovative Hot Melt Adhesive Solutions provide the following benefit to you:



# Experts in E-Mobility

From electric vehicles to energy storage, our specialists design a custom process from the ground up, to help make your production more predictable and controllable than ever.

You can rely on the same product, finished to exactly the same standard, with minimum material waste or inconsistency. This is precisely the kind of technological advance that is precisely what battery manufacturers have been waiting for.

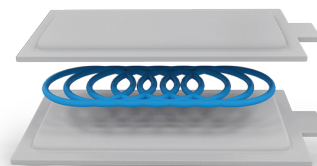


## Double Side Edge Folding

- Precise edge-to-edge dimensions control
- Save space for cell power capacity
- Improve thermal conductivity on the sides
- Automated production, save cost

## Application Location

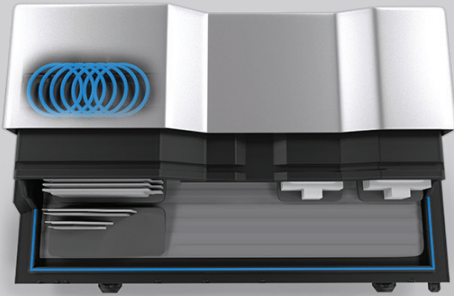
- Battery Cell Stacking
- Double Side Edge Folding
- Low Pressure Molding
- Battery Pack 1K Foam Gasketing
- 1K Foam Cushion and Anti-collision
- EMI Shield Bonding



## Battery Cell Stacking

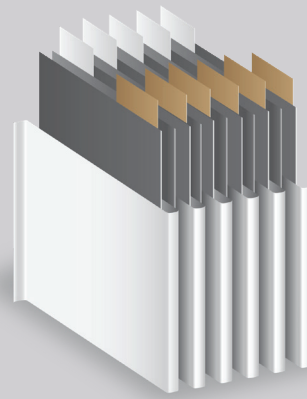
- Automatic hot melt adhesive online spraying  
realtime process monitor to MES
- Save 90% cost vs tape
- Precise, clean and reliable process, no VOC emissions

Nordson provides the total solution for EV battery application



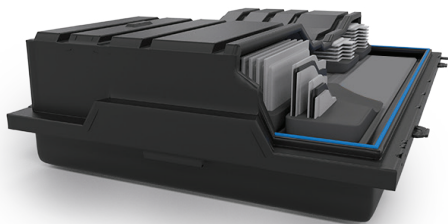
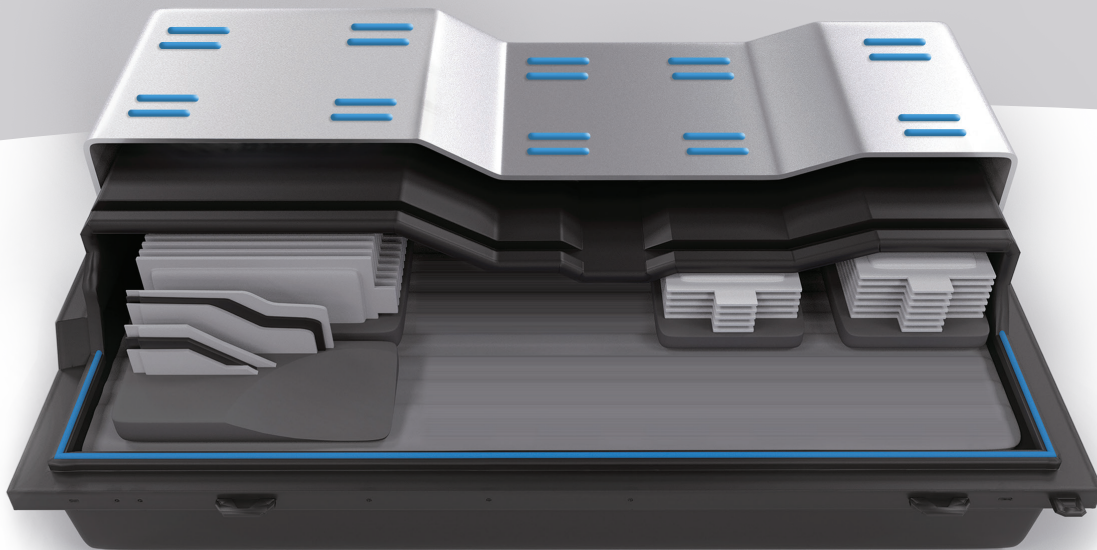
### EMI Shield Bonding

- Fully automatic process, easy and clean
- Save cost, improve production efficiency
- Environmental protection, no VOC emissions



### Innovations Inside Battery Cell

- Innovative Solutions as new industrial standard
- Welding protection, prevent pollution
- Solutions to prevent internal shorts and capacity lost
- Improve safety and life cycles
- Fully automation and Traceable processes, Industry 4.0



### Battery Pack 1K Foam Gasketing

- Fully automatic one-component foaming online process, instead of manual application
- Enable the pack waterproof, reopenable and serviceable
- Physical process, easy and reliable



### 1K Foam Cushion and Anti-collision

- Great cost saving vs foam pad
- Fully automatic one-component foaming online dispensing



## Worldwide Service and Support

Nordson helps protect your investment with exceptional people, programs and service to keep your equipment in peak operating condition. For your satisfaction, Nordson solutions are backed by a Package of Values<sup>®</sup> that includes:

- Locally-available service network
- TrueBlue<sup>™</sup> service & preventive maintenance plans
- Global service and distribution centers
- Repair and exchange programs

For more information, speak with your Nordson representative or contact your Nordson regional office.

### United States

Duluth, Georgia  
(800) 683-2314 **Phone**  
(866) 667-3329 **Fax**

### Canada

Markham, Ontario  
(800) 463-3200 **Phone**  
(905) 475-8821 **Fax**

### Europe

Erkrath, Germany  
(49) 211-9205-0 **Phone**  
(49) 211-254658 **Fax**

### Japan

Tokyo, Japan  
(81) 3-5762-2700 **Phone**  
(81) 3-5762-2701 **Fax**

### Asia/Australia/Latin America

Amherst, Ohio  
(440) 985-4797 **Phone**  
(440) 985-1096 **Fax**



11475 Lakefield Drive  
Duluth, GA 30097-1511

(800) 683-2314  
nordsonadhesive.com

