



EV BATTERY MANUFACTURING

Improving automation processes is one of the highest priorities as the Electric Vehicle (EV) industry scales-up to meet increasing demand. Partnering with the right automation company is critical to future development. Exlar® electromechanical actuators are globally recognized as a leading brand offering:

- 25 years of experience in the automotive industry
- Optimal safety, performance, and reliability in difficult “must-not-fail” applications

- Proven cleaner, greener technology
- Less waste, less energy, more efficiency



Whether you need pressing in battery pack assembly or dispensing adhesives and gels in battery cell manufacturing; highly engineered electromechanical actuation products from Exlar can meet your requirements.

Who We Are

Exlar® manufactures electromechanical linear roller screw actuators, rotary servomotors, and integrated control solutions for a broad range of applications. Our unique technology provides an efficient electric replacement for hydraulic or pneumatic cylinders and a more robust replacement for ball screws. With forces up to 80,000 pounds and speeds up to 60 inches per second, we are able to deliver higher force and speed in smaller packages

than other comparably sized actuation technology. Exlar actuators have more flexibility, higher efficiency, and lower maintenance than traditional hydraulic and pneumatic solutions. Whether looking to increase productivity or reduce your total cost of ownership, Exlar's team of highly skilled engineers can put together the right solution for you.

Exlar® is a brand of the Curtiss-Wright Actuation Division.

ELECTRIC IS ALL WE DO!

- **Exlar® electric actuators** deliver a broad range of capabilities, power, and performance in both linear and rotary configurations
- **NO LEAKS**, clean and green electric actuators
- Agile and adaptable
- Sealed for use in harsh industrial environments
- Infinite position control to support data driven process improvement
- High efficiency - Low total cost of ownership
- Fully programmable & repeatable force control

■ Pack Assembly

With up to 80,000 lbs (355.8 kN) of force, Exlar actuators are perfect to efficiently press battery packs together ensuring quality and less product defects

■ Dispensing

Whether dispensing sealants or adhesives, Exlar actuators are accurate, reducing any chances of environmental damage or product waste

UNIVERSAL



Universal products (F & K-series)

provide options to interface with a wide range of Exlar and third-party motor products and their associated controllers

- Forces up to **80,000 lbf / 355.8 kN**
- ASSIGN™ motor selection tool (FTX /FTP products)
- Grease or oil lubrication options

INTEGRATED



Integrated products (G-series)

provide optimized power and connections to leading motion control systems with integrated servomotor and inverted roller screw technology

- Forces up to **23,056 lbf / 102.6 kN**
- Wide range of frame sizes
- Broad array of features

INTELLIGENT



Intelligent products (Tritex®)

incorporate on-board control and communications capabilities enabling support for distributed control and IoT architectures

- Forces up to **5,400 lbf / 24 kN**
- Offering both rotary & linear actuation solutions
- Support of leading industrial networks and protocols

