



# E-Mobility / EV

## Supply Chain Manufacturing



Precision stamping, forming, welding, and assembly for e-mobility and EV supply chain components — backed by U.S.-based manufacturing, high-speed production experience, and quality systems built for repeatable performance.

As electrification changes the way vehicles and equipment are designed, manufacturers need production partners who can support precision, scalability, and supplier reliability. From electrical contacts and terminals to stamped components, brackets, clips, and small assemblies, ACM supports e-mobility programs with the automation expertise, process control, and production discipline needed for complex, high-volume manufacturing.

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Certification     | ISO 9001                                                          |
| Facility          | Phillipsburg, NJ — USA                                            |
| Traceability      | Lot and material certification support                            |
| Experience        | 30+ years / 10B+ parts produced                                   |
| Core Capabilities | Precision stamping, injection molding, forming, welding, assembly |

### Capability Snapshot

ACM supports e-mobility and EV supply chain programs that require precision manufacturing, repeatable output, and scalable production.

| Capability           | Details                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Materials            | Copper, plastics, brass, stainless steel, carbon steel, aluminum, and specialty alloys depending on program requirements |
| Typical Tolerance    | 0.0005 → 0.005"                                                                                                          |
| Production Speed     | 500+ parts/minute for stamping applications                                                                              |
| Secondary Operations | Welding, tapping, cleaning, assembly, inspection, and packaging                                                          |

E-mobility programs are rarely just about producing a component. They are about supporting production scale, electrical performance, documentation, launch timelines, and supply chain confidence as new platforms move from development to production.



## Why E-Mobility Manufacturers Work With ACM

- ✓ Battery and powertrain platforms move from prototype to full volume faster than a traditional automotive part number — ACM's in-house tooling and stamping capacity are built to keep pace with that ramp.
- ✓ Electrification is still maturing — as design requirements shift late in development, ACM's engineering team supports design changes without restarting the sourcing process.
- ✓ Battery and connector housings often require both metal and molded components — ACM's in-house injection molding means one vendor.
- ✓ New platforms often mean new supply chains — consolidating stamping, forming, molding, welding, and assembly under one partner reduces the number of new supplier relationships your program has to qualify.
- ✓ Manufacturing stays U.S.-based, supporting supply chain resilience for a still-developing EV component ecosystem.

## Precision, Scale & Supply Chain Readiness

For e-mobility and EV supply chain programs, components must support performance, consistency, and production readiness. As electrification platforms evolve, manufacturers need suppliers who can help move from part requirements to repeatable production.

### ACM supports e-mobility component programs with:

|                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|
| ISO 9001 quality systems for automotive-adjacent e-mobility programs                                         |
| Lot traceability from raw material through finished part shipment                                            |
| Material certifications and inspection reporting for both electrical and mechanical performance requirements |
| Process control built to support rapid volume ramp without sacrificing repeatability                         |
| Documentation practices built to keep pace with evolving e-mobility program requirements                     |

ACM is a fit for e-mobility and EV supply chain components that require precision manufacturing, repeatability, and production scale.



## Representative Part Categories

| Category                    | Example Applications                                                                     |
|-----------------------------|------------------------------------------------------------------------------------------|
| Electrical Contacts         | Precision stamped conductive components for e-mobility systems and assemblies            |
| Terminals and Connectors    | Formed metal components used in connection and power-transfer applications               |
| Molding                     | Precision molded housings and connector bodies for battery and high-voltage components   |
| Brackets and Clips          | Stamped and formed components used for retention, routing, mounting, or assembly support |
| Battery-adjacent Components | Small stamped or formed parts used in battery system support applications                |
| Small Precision Assemblies  | Multi-step manufactured components requiring forming, welding, cleaning, or assembly     |

## Before You Submit an RFQ

To help ACM evaluate your program efficiently, include as much of the following as possible:

- ✓ Part drawing with CTQ criteria
- ✓ Material specification
- ✓ Conductivity, plating, or surface requirements, if applicable
- ✓ Annual volume or production forecast
- ✓ Target launch date or production timeline
- ✓ QA or documentation requirements
- ✓ Secondary operation requirements, such as welding, tapping, cleaning, or assembly
- ✓ Packaging or shipment requirements

### Bringing an E-Mobility Program to ACM?

Send your print, material spec, annual volume, performance requirements, and production timeline. ACM will review feasibility, manufacturing fit, and production requirements before recommending a path forward.

Start an RFQ. Contact [Sales@bihler.com](mailto:Sales@bihler.com)