

Automotive

Component & Assembly Manufacturing



Precision stamping, forming, welding, and assembly for automotive components — backed by U.S.-based manufacturing, high-volume production experience, and quality systems built for repeatable performance.

When automotive programs require precision, speed, and consistency, ACM gives OEMs and suppliers a manufacturing partner built for production-ready components. From stamped metal parts to small assemblies, prototyping and electrical contacts, ACM supports high-volume manufacturing with automation expertise, process control, and documentation discipline.

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

Capability Snapshot

ACM supports automotive component programs that require repeatable production, tight process control, and scalable output.

Capability	Details
Materials	Stainless steel, carbon steel, copper, brass, aluminum, and specialty alloys depending on program requirements
Typical Tolerance	Program-dependent — confirmed at RFQ
Part Size Range	Program-dependent — confirmed at RFQ
Production Speed	Program and Part-dependent — confirmed at RFQ
Secondary Operations	Welding, tapping, assembly, cleaning, inspection, and packaging
Cycle Time	Program-dependent and quoted at RFQ
Plastics	Stainless steel, plastics, carbon steel

Automotive component programs are rarely just about making the part. They are about producing the part consistently, controlling cost at scale, maintaining documentation, and meeting launch timelines without adding supplier complexity.



Why Automotive OEMs and Suppliers Work With ACM

- ✓ Multi-tier supply chains add risk with every added link — one manufacturing partner for stamping, forming, welding, assembly and injection molding means fewer suppliers standing between your program and the vehicle line.
- ✓ A vehicle program runs for years, not months — ACM's tooling and process documentation are built to support a component through the full program life, including engineering change management.
- ✓ Manufacturing stays U.S.-based, reducing cross-border logistics risk for just-in-time automotive delivery schedules.

Quality & Production Readiness

For automotive manufacturing, quality has to be built into the process long before full production begins.

ACM supports automotive component programs with:

ISO 9001 quality systems built for automotive-grade process control
FAI submission support aligned to program requirements
Lot traceability from raw material through finished part shipment
Production Speed
Process capability data (Cpk/Ppk) to support automotive validation requirements
Engineering change documentation tracked across the life of the program

ACM is a fit for automotive components that require precision manufacturing, repeatability, and production scale.



Representative Part Categories

Category	Example Applications
Stamped metal components	Stainless steel, carbon steel, copper, brass, aluminum, and specialty alloys depending on program requirements
Electrical contacts and terminals	Program-dependent — confirmed at RFQ
Brackets and clips	Program-dependent — confirmed at RFQ
Small precision assemblies	Program and Part-dependent — confirmed at RFQ

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
- ✓ Annual volume or production forecast
- ✓ Target launch date or production timeline
- ✓ PPAP or documentation requirements, if applicable
- ✓ Secondary operation requirements, such as welding, tapping, cleaning, or assembly
- ✓ Packaging or shipment requirements
- ✓ Current production challenge, if replacing an existing supplier

Bringing an Automotive Program to ACM?

Send your print, material spec, annual volume, documentation 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