



Industrial Manufacturing

Alliance Precision Plastics provides high-quality, custom manufacturing solutions for the industrial sector, delivering compliance, reliability, and U.S.-based production expertise.

Why Choose Alliance Precision Plastics?

Transforming Concepts into Reality with Precision and Quality

Alliance delivers trusted, high-performance solutions for the Industrial Manufacturing industry, supporting efficiency, durability, and precision across a wide range of applications. Our expertise helps optimize performance and reliability in demanding environments. Below are some of the areas within the Industrial Manufacturing market that we support:

- Analyzers
- Fuel Systems
- Material Handling
- Construction
- Gas/Leak Detection
- Tools
- Doors & Windows
- Hand Held Instruments
- Transportation

 ISO 9001 Certified

 UL Listed

 Collaborative Team Approach

 Experience You Can Trust



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Working with Alliance Precision Plastics has been a breeze; they consistently stay ahead on orders and ensure we are always supplied with the necessary materials. Their reliability and proactive approach make them an invaluable partner."

— NF



Made in
the USA



What we offer:

• **Services**

• **Engineering**

- Dedicated Project Engineer
- Resin Selection and Formulation
- Design For Manufacturing (DFM)
- Injection Mold Tooling Design
- Mold Flow Analysis
- Plastic Part Design Assistance

• **Tooling**

- Full service toolroom
- CNC Mills
- CNC Lathe
- Conventional RAM and Wire EDM
- Dedicated Mold Maintenance and Repair
- Global Tooling Solutions
- Comprehensive Preventative Maintenance Programs
- Tool Transfers and Optimization

• **Molding**

- 83 Injection Molding Machines in Eastern US
- Injection Molding From 28 – 900 ton
- Shot Sizes .25 oz – 146 oz
- Insert Molding
- Horizontal and Vertical Molding
- 2 Shot Molding and Over Molding
- In Line Automation / Robotics
- Class 8 (100,000) Clean Room
- Real Time Production Monitoring

• **Assembly**

- Simple to Complex Assemblies
- Decorating – Pad Printing / Hot Stamping
- Heat Stake Inserting
- Vibration Welding
- Ultrasonic Welding / Inserting
- Gluing/Bonding
- Precision Post-Mold CNC Machining

• **Technology**

- IQMS Enterprise IQ ERP
- Siemens NX CAD/CAM
- SolidWorks CAD
- Mastercam CAM
- AutoDesk Mold Flow

• **Quality**

- Dedicated Quality Engineer
- Formal Product Realization Process
- PPAP – Production Part Approval Process
- IQ/OQ/PQ – Process Validation
- FMEA - Failure Mode and Effects Analysis
- DOE - Design of Experiments
- Programmable CMM and Vision Inspection

Contact Us Today

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New York (Corporate Headquarters): ISO 9001, ISO 13485, UL Listed, and FDA Registered | North Carolina Facility: ISO 9001 and UL Listed