



Energy & Utility Solutions

With a highly skilled team and decades of expertise, Alliance delivers precision-engineered energy and utility solutions backed by quality, service, and U.S.-based manufacturing.

Partner With Us

Your Reliable Solution for Energy & Utility Products

Alliance provides reliable, cost-effective solutions for the Energy & Utility industry through optimized design, engineering, and in-house manufacturing. Below are some of the sectors within the Energy and Utility markets that we support:

- Clean Water
- Filtration
- HVAC
- Construction
- Green Energy
- Solar
- Data Centers
- Grid Components
- Wire Management
- Electrical

✓ ISO 9001 Certified

✓ Engineered Grade Resin

✓ UL Listed

✓ Experience You Can Trust

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We continue to purchase from Alliance as they have become a very valuable and trusted source for our plastic components. They constantly strive to meet and exceed our needs while fixing any issues that may arise along the way.”

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ALLIANCE
PRECISION PLASTICS



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