

Medical & Life Science Solutions

At Alliance Precision Plastics, we specialize in providing comprehensive manufacturing solutions tailored specifically for the medical industry.

Partner With Us

Your Source for Trusted Medical & Life Science Solutions

Alliance delivers trusted, high-performance solutions for the Medical and Life Sciences industries, supporting innovation and precision in technologies that advance patient care and diagnostics. Below are some of the areas within the Medical and Life Sciences markets that we support:

- Blood Analyzers
- Clinical Devices
- Cognitive Tests
- Defibrillators
- Diagnostics
- Disposables
- Eye Care
- FDA Registered Devices
- Hospital Beds
- Surgical Instruments

- ✓ Dedicated Quality Engineer
- ✓ ISO 13485 Certified
- ✓ 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



“

Alliance and the people who make up Alliance are class acts, and we will continue to work together to keep both of us at the top of our games!”

— KW



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
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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