Autronic Plastics, Inc.
1150 Motor Parkway
Central Islip, NY 11722

API (Autronic Plastics, Inc.) is a custom plastic injection molding facility located on Long Island, NY and is dedicated to providing quality services. From single cavity prototype tools to complex, high volume, fully-hardened production tools, API has been completing projects since its start in 1953. Specializing in engineering resins, metal replacement, and high quality precision applications, API can solve the most challenging and demanding molding needs.

Capabilities include tool/mold making, product design, engineering, contract manufacturing, automated and manual assembly, prototyping, joining, bonding, decorating, and packaging.

Expert mold designers have many years of experience building multi-action, hot runner, 3-plate, 2 shot, over-mold, and insert molds in API's full service shop. An on-site tool room, an automation lab, and rapid prototyping capabilities allow API to offer the most modern techniques available today for designing and manufacturing plastic injection molded parts.

API is experienced in molding all thermoplastics and specializes in difficult-to-process engineering resins and high temperature / performance glass filled composites. Material examples include Ryton, Lexan, Ultem, PEEK, Valox, Polyarylsulfone, thermoplastic elastomers (TPEs) and thermoplastic polyurethanes (TPUs) for rubber replacement applications. As a UL listed molder and assembler, API can assist in specifying and compliance with UL standards for plastic enclosures and components.

We are a supplier of precision molded parts to some of the world's most respected manufacturers including several Fortune 100 companies.

Site resources

- ♦ 100,000 sq. ft. of manufacturing and administrative space
- ♦ ISO 9001 : 2008 UL certification
- ♦ 85 employees; including 1 Electrical, 1 Computer, 1 Industrial, 2 Chemical, and 6 Mechanical Engineers
- ♦ Fully staffed mold design and construction facilities
- ♦ Material handling system with uninterrupted material flow and dedicated material bays for each press
- ♦ Uniform lighting and clean, bright, debris-free and air conditioned molding floor with climate control
- ♦ Bridge crane mold transport systems (3) in tool room and on molding floor
- ♦ 200 ton cooling tower and closed process loop cooling system (all VFD)
- ♦ Fully equipped quality control lab
- ♦ Automation & engineering lab
- ♦ Isolated, ventilated server room
- ♦ 4 truck bays and drive-in dock
- ♦ Dark Room for optical testing and design
- ♦ Dedicated electrical burn-in room
- ♦ Locked and secured storage cages with complete camera coverage

Injection Molding Machines

- 45 Ton, Toshiba   (1) (Model # EC45NII)
- 55 Ton, Toshiba   (1) (Model # EC55 V50)
- 60 Ton, Toshiba   (1) (Model # ISF 60)
- 90 Ton, Toshiba   (1) (Model # ISF 90)
- 110 Ton, Toshiba   (1) (Model # EC 110)
- 190 Ton, Toshiba   (1) (Model # ISG 190)
- 240 Ton, Toshiba   (2) (Model # EC 240)
- 250 Ton, Toshiba   (3) (Model # ISN 250)
- 250 Ton, Toshiba   (1) (Model # ISG 250)
- 250 Ton, Toshiba   (1) (Model # EC 250SX)
- 310 Ton, Toshiba   (1) (Model # ISG 310)
- 350 Ton, Sumitomo   (1) (Model # SE315EV)
- 390 Ton, Toshiba   (2) (Model # ISG 390)
- 390 Ton, Toshiba   (1) (Model # ISF 390)
- 550 Ton, Husky   (2) (Model # RS 100/85)

Tool Room

- NX10 (5 seats)
- HAAS VM-3 Vertical Mold Making Machine
- HAAS VM-2 Vertical Mold Making Machine
- HAAS TL-1 Tool room Lathe - 15" x 36"
- Roku HC658 High Speed Graphite & Hard Milling Machine
- Makino EDNC43S Ram EDM w 32 Tool Changer
- Mitsubishi FA20V 5-Axis CNC Wire EDM
- Dimension SST1200 ES FDM Rapid Prototyping Machine
- Surface Grinders - 12" x 30" (1), 6" x 18" (2), 6" x 12" (1)
- Radial Drill Press
- Bridgeport Milling Machines with Digital Readouts (4)
- Complete In-House Mold Making and Repair Facilities
- Mold flow software for FE analysis
- Heat Treating Oven
- Tig Welder
- Micro Welder
- 2 Bandsaws (1 Hydraulic horizontal, 1 Do-All vertical)

Accessory Equipment

- Full Servo High Speed Assembly Robots (9)
- Fully integrated material handling system with 22 locations
- Gima 877 Sealer plus assembly machine
- Rotary Assembly Work Center with integrated Ultra Sonic Welder (5)
- Grinders (15)
- Central Desiccant Dryer (2)
- Local Desiccant Dryer (5)
- Local Membrane Dryer (1)
- Local Pressurized Air Dryer (2)
- 10 ton (CTI) portable chiller
- 2 ton portable chiller (2)
- AMI 24 Zone hot Runner Controls (6)
- Husky Mold Temperature Controller (1)
- Advantage Mold Thermolators (32)
- Liquid Color Mixing Systems (7)
- Moldmaster 60 Zone Manifold Controller (3)

- ♦ 4 Forklifts/Pallet Trucks (1 Toyota fork truck 4500 lb, 1 Crown 3500 lb reach truck, 1 Crown fork truck 3500 lb, 1 Hyster 16,000 lb Forklift)
- ♦ 1998 Freightliner 26' Straight truck
- ♦ Lantech Q-300xt pallet wrapper

Secondary Operations
- ♦ Branson Ultrasonic Welding Machines (12)
- ♦ Assembly lines (8) & In-Cycle Assembly
- ♦ Speedfam 24BTAW Free-Abrasive Lapping Machine (1)
- ♦ Full Spectrum Laser Engraver
- ♦ Branson Ultra-sonic Cleaners (3)
- ♦ Desco Centrifugal Dryer (1)
- ♦ Pad Printing Equipment
- ♦ Hot Stamping
- ♦ Heat Staking
- ♦ Milling & Lathing
- ♦ Wire Dressing and Assembly
- ♦ Silk Screening
- ♦ General finishing and grinding

Quality Control Department
- ♦ Brown and Sharpe MicroXcel PFx 454 touch probe CMM with PC-DMIS software
- ♦ Brown & Sharpe Microval PFx 454 video probe CMM with PC-DMIS software
- ♦ Brown & Sharpe Microval Coordinate Measuring Machine with ROI CMM video probe
- ♦ Nikon optical comparator
- ♦ Fully integrated Quality Assurance Manual (QAM)
- ♦ Computerized SPC System
- ♦ On-going destructive and non-destructive testing of parts

Management Information Systems
- ♦ 9 Windows 2012 Servers
- ♦ SAP Business One and Production One
- ♦ 35 work stations running Windows 8 and Windows 10
- ♦ Dual Fiber optic high bandwidth connections for internet and email, T-1 PRI for voice