

EGC Plastics - A Total Source

Since 1959, EGC Plastics has been the leader in providing custom manufactured components made from the world's highest performance plastics. EGC Plastics is a preferred supplier to the Aerospace, Semiconductor and Fluid Handling industries.

EGC Plastics is recognized for working in unison with customers to develop innovative solutions to problematic applications where corrosion, wear, friction, exposure to temperature extremes, lubricity, sealing and ultra purity are critical factors in product performance.

Fenner Advanced Sealing Technologies

Fenner Advanced Sealing Technologies (FAST) works closely with customers to supply sealing solutions for the most demanding performance-critical applications by using the most advanced materials and technology.

FAST manufactures and distributes specialized seals, and provides advanced sealing solutions for process and fluid power applications throughout Europe, North America and the Asia Pacific region.

Applications include Mining, Automation, Earth-Moving and Construction machinery, Petrochemical, Oil and Gas Downstream activities, as well as Pharmaceutical, Medical, Semiconductor and Aerospace sectors.

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Bioprocess and Medical Device Market

www.egcplastics.com



Bioprocess and Medical Device Market



EGC Plastics technical capabilities, world-class engineering and manufacturing facilities have been providing the Bioprocess and Medical Device market with solutions to meet the rigorous demands required within the industry.

Engineered plastic components are custom manufactured to meet design principles of Bioprocess and Medical device OEMs. At EGC Plastics the polymer selection and materials design, molding process development and manufacturing of products is supported in one location.

Products comprised solely of polymeric materials are a good fit in environments requiring sterilization as well as in areas where cryogenic or elevated temperature conditions exist. Plastic components can be made disposable to reduce cross contamination in the process for which they are being used. Using internal lubricants in the polymer in its pre-processed state eliminates the need to coat final components with contaminating oils yet

maintains lubricity for ease of use. Plastic can replace metal in many applications, and plastic part designs can create a high degree of functional integration to reduce the number of components required in the overall equipment design.

Strategic selection of a polymer is the first step of the final product's fitness. Understanding the process of initially converting the raw polymer is as essential in the final part formation as understanding the application conditions. This leverage allows the final component optimum performance in the final product design. The culture at EGC plastics consists of a high performance development community which includes the polymer scientists, process engineers and the OEM design team to allow the collaboration necessary to identify and fix the most critical barriers at the project's inception. EGC Plastics understands how critical this collaboration can be in product development towards successful results.

Volume production of the product is the goal of our development process. Prototype results are duplicated in the final manufacturing process at EGC Plastics. It is our goal to develop only those projects that can be manufactured repeatedly within our facilities utilizing the highest degree of engineered polymer expertise to result in the competitive advantage that our customers seek.

Some of our product ranges include:

- Instrumentation
- Dispensing Equipment
- Fluid Transfer
- Pumps
- Valves
- Batteries
- Packaging
- Surgical Devices

