



PLASTIC DESIGN INC

Specializing in plastic fabrication & plastic components



BIOMEDICAL & PHARMACEUTICAL RESEARCH PRODUCTS

With a deep and extensive background in precision plastic manufacturing and engineering, Plastic Design Inc. is proud to put our experience and expertise to work in our custom fabricated biomedical and pharmaceutical research products.

We fabricate a large variety of these products for the scientific field, including pass-throughs, storage cabinets, and transportation carts, just to name a few. Our pass-through options include interlocking door systems, fire suppression capability, pressurized environments, and wash down features with drainage. We have storage cabinets of many different types, such as free standing, wall mounted, exhaust and containment, N2 purge, and customized cabinets to our clients' specifications. Our transport carts also come in many options, including acid & solvent delivery, 1 and 5 gallon models, and bulk carts. These research products can be designed for Class I Div I explosion proof applications, as well as USP Class 6, and have additional features that can include filtration air exchange rates, light levels, humidity, and temperature. Finally, our biomedical and pharmaceutical research products are available with a diverse array of hood types, such as sliding sash, angled open front, fully isolated, table top, stand alone, and vertical laminar flow, among others.



BIOMEDICAL & PHARMACEUTICAL RESEARCH PRODUCTS

- Animal Housing
- Slope-Front Fume Hoods
- Garment Dispensing
- Pass-Throughs
- Radiation Shielding
- Hazardous Waste
- Ventilated Enclosures
- Storage Cabinets
- Laminar Flow Hoods
- Gowning Cabinets
- Drinking Water Cabinets
- Stainless Steel & Plastic Products
- Transportation Carts
- OEM Manufacturing
- Stainless Steel Fabrication

ANIMAL HOUSING FOR BIOMEDICAL & PHARMACEUTICAL

Plastic Design, Inc. provides custom plastic fabrication for a wide variety of bioscience industries, including those that require animal housing and habitats in the life sciences sector. Animal research facilities must meet stringent guidelines for the proper husbandry, housing, and humane care of laboratory animals. One of the key factors to reducing stress in captive animals is to provide them with adequate space to flourish and grow.

Aside from providing ample space, a number of criteria must be taken into consideration when designing adequate housing for lab animals, according to the National Center for Biotechnology's (NCIB) Guide for the Care and Use of Laboratory Animals.

At Plastic Design, Inc. our custom animal housings are fabricated to meet the demands of broad range of testing conditions. Our animal housings are fully customizable, allowing them to meet the needs of virtually any testing environment without sacrificing the health or happiness of the test subject.

Custom animal habitats by Plastic Design, Inc. can digitally track conditions for remote access, enabling researchers to monitor testing conditions even when they are not on site. Factors that can be monitored include:

- Temperature and humidity
- Ventilation and air quality
- Proper illumination
- Noise and vibration
- Air filtration rates
- Light level monitoring

All data can be documented using a chart recorder or sent directly to a computer for digital storage, so your staff can maintain appropriate, consistent conditions necessary for happy, healthy test animals.

WHY PLASTIC DESIGN?

With more than 40 years of custom plastic fabrication experience, the engineers at Plastic Design will provide the highest level of quality, efficiency, and cost effectiveness for your laboratory animal equipment and housing needs. Our 30,000-square-foot fabrication facility is ISO9001:2015 certified to ensure your quality standards are met in the most efficient manner possible.

By employing the highest caliber staff, equipment, and processes, Plastic Design Inc. is a trusted partner for all your custom plastic fabrication needs in biomedical and laboratory research facilities.



PLASTIC DESIGN, INC.

180 Middlesex Street, North Chelmsford, MA 01863 • P: 978.251.4830 • F: 978.251.4920 • www.plasticdesigninc.com