

forming

Advanced In Formed Tubing and Complex Shapes

Formed tubing is the ideal process solution for achieving complex shapes without sacrificing dimensional stability. Mercury Plastics has perfected the formed tubing process over many years, solving myriad design problems for customers in many industries.

For instance, using these forming techniques, we can incorporate radius bends to allow a part to fit into a confined area. Forming can also allow the addition of details to the ends including beelling,



rimming, expanding, reducing, metal inserts, overmolded bulbs and overmolded connectors. The options for ensuring that your formed tube fits its related components are virtually limitless.

Our in-house team of engineers design and construct all tooling required to produce your formed design. This allows us to select the best process for the chosen material, control the critical dimensional

requirements and ensure that your tooling is appropriate for the volume of parts required. In addition, this means lower tooling, prototype and tool modification costs.

Capabilities:

- **Low tooling cost**
- **Highly complex shapes are possible**
- **Appropriate for virtually any thermoplastic**
- **Options for end connections are vast**

Broad Raw Material Capabilities and Expertise

Mercury Plastics has extensive experience using forming techniques on a wide variety of materials, allowing us to provide you with formed tubing designs appropriate for any environment and application. Our forming capabilities have been used to reshape materials including rigid PVC, flexible PVC, polypropylene, polyethylene, styrene, ABS, Nylon 6/12, Nylon 12, polysulfone, cross-linked polyethylene (PEX) and TPE.

An Array of Products and Services

Having grown to be one of the largest custom extrusion suppliers in North America and as an innovator and leader in the plastics industry; Mercury Plastics has the ability to handle all of your thermoplastic needs.

Forming is just one of many capabilities that offer you products that deliver the best possible performance for the lowest total cost. Whether your best solution includes forming, extrusions, Air-Core®, overmolding, cross-linking, fabrication or an assembly, Mercury Plastics engineers will help you take advantage of all of our capabilities to design the lowest total cost product. To learn more, please call us at 440-632-5281 or visit us on the web at www.mercuryplastics.com.

