



PRODUCTS

- Medical Tubing Connectors
- Medical Device Covers and Sleeves
- Radio Opaque Markers
- Protective Caps
- Tooling Grips
- Glass Protectors



INDUSTRIES SERVED

- Medical
- Electrical
- Construction
- Automotive
- Plumbing
- Any custom profile

WHAT IS DIP MOLDING?

Dip molding is a versatile process for forming plastic. A mold is temporarily submerged into a bath of liquid plastic then allowed to cure, forming a profile.

This plastic profile can be removed from the mold to form a plastic part with very tight internal dimensions, ideal for tubing connectors or device covers.

By adding a primer to the mold, the plastic profile can be permanently adhered to create a protective or aesthetic coating.



Modeling Services

Utilizing SOLIDWORKS software, we can provide industry standard 2D drawings and 3D models of parts to visualize your end product.



Tight Tolerances

Our process maintains tight tolerances of as little as ± 0.001 " on internal dimensions and ± 0.015 " on wall thickness.



Rapid Prototyping

We maintain a machine shop on site to rapidly prototype molds and build tooling to rapidly provide sample pieces.

WHY TRY DIP MOLDING?

- Very soft plastics which can be problematic for injection molding are ideal for dip molding.
- Tooling for dip molded parts is very affordable, and can be produced quickly.
- Dip molding is very scalable - from hundreds of pieces to millions.
- Dip Molded parts have inner dimensions that are an exact negative of the exterior of the tooling, creating exact internal dimensions.
- Surface texture and designs can be added to the interior surface of dip molded parts.
- Parts can be dipped multiple times to embed structures or create a layered appearance.

ABOUT THE COMPANY

Production Sciences, Inc. was founded in 1989 to provide our customers molded plastic products to suit their specialized needs through a variety of industries. The company's first product was dip coated automotive tail light sockets. Today, we are diversified across a range of industries and specialize in medical-grade tubing connectors.

For our medical products, patient comfort, product durability, and compliance are priorities. Our experience and quality processes allow us to work confidently with transparent, soft plastics. We offer phthalate-free versions of our products to comply with the newest regulatory requirements for medical devices.

GET IN TOUCH



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