

CUSTOM CAPABILITIES

Custom Products



Design & Development

When it comes to accommodating your needs for injection-molded plastic and dip-molded vinyl products, the answer is yes at Caplugs! That's because in addition to housing the world's largest stock of plastic and vinyl caps, plugs, wraps, edge liners and nettings, we also have the tools and experience to offer extensive custom design capabilities. **In fact, we've expanded our custom capabilities with a focus on responding to the marketplace's demand for custom designed, product-protection solutions.** Whether you simply need a non-stock size, a variation of an existing style or a totally new design, Caplugs can provide the perfect custom solution for your product protection.

Full In-House Custom Capabilities From Start to Finish

State-of-the-art equipment, 3-D computer software, experienced professionals and more than 50 years of experience give Caplugs its ability to quickly custom design product solutions for just about any application, and at competitive costs.



Prototyping & Tooling

Design & Development

Caplugs has been leading the design of plastic protection products for over 50 years, and our experience serves our customers well. Our expert engineering department can assist with product design, work from a print or sketch, easily copy an existing part, and deliver a prototype for testing on your application.

Prototyping & Tooling

Our tooling department takes advantage of the latest 3-D CAD technology to routinely produce rapid prototypes in a matter of five to seven days. This is known as Rapid Prototyping, and it allows our engineers to build a prototype according to your design. With Rapid Prototyping, we take the guesswork out of the custom design process and turn projects around quickly to meet your product protection requirements. At Caplugs, we respond quickly to new designs and last minute changes, and customers can completely inspect, modify and approve prototypes to meet demanding deadlines.



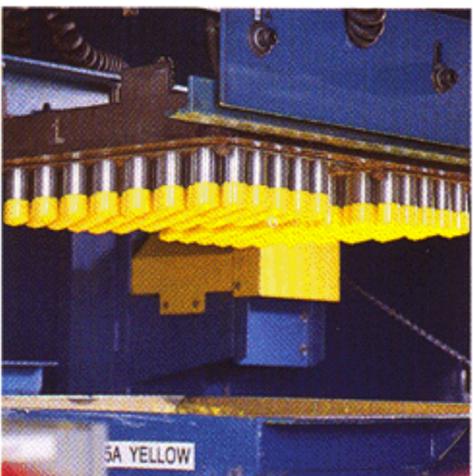
Equipment

Equipment

Sophisticated machinery, like CIM computer monitored injection-molding presses, ranging from nine to 230 tons, automated loading systems and the latest in dip-molding machines, helps Caplugs process an extensive range of custom solutions quickly and with exacting precision. Our on-site tool manufacturing center utilizes CNC Turning, Milling and Electrical Discharge Machining (EDM) Centers to produce high-quality tooling, quickly and efficiently.

Production

Caplugs manufactures millions of components daily, utilizing our modern manufacturing processes, state-of-the-art communication, data processing and computer systems. They work in tandem to produce custom designed plastic and vinyl products that meet your tolerances and specifications every time. We offer fast turnaround times and can handle highly demanding production requests as easily as we can short runs. And, as testimony to our commitment to quality, Caplugs carries certification from such respected quality-control organizations as QS9000, ISO9001 and AS9000.



Production

Custom Products

Injection-Molded Plastic

Caplugs can accommodate any need for a special design, shape or color. We have tooling readily available to produce over 2,000 special shapes that are not shown in our catalog. Any of these 2,000 custom molds are available for use as is or for modification. What's more, our experts can design a protective part specifically for your application.



Injection-Molded Plastic

Dip-Molded Vinyl

In addition to our extensive injection-molded capabilities, our recent acquisition of Polaris Plastics has significantly expanded our custom dip molding capabilities far beyond any others in the marketplace. Like injection-molded products, Caplugs can accommodate most needs for special design, shape and color of dip-molded products. Whatever your needs, Caplugs either has the tooling already available or can design the best product solution.



Dip-Molded Vinyl

Custom Capabilities

	Injection-Molded Plastic	Dip-Molded Vinyl
Prototype Design & Samples	1 week	1 week
Production Tooling	4 to 6 weeks	2 weeks
Max. Diameter	9.5 inches (241.3 mm)	27 inches (686 mm)
Min. Diameter	.09 inches (2.29 mm)	.054 inches (1.372 mm)
Max. Length	5 inches (127 mm)	21 inches (533 mm)
Min. Length	.15 inches (3.81 mm)	.187 inches (4.750 mm)
Max. Wall Thickness	.09 inches (2.29 mm)	.125 inches (3.175 mm)
Min. Wall Thickness	.03 inches (0.76 mm)	.030 inches (0.762 mm)
Shapes	Round, tapered, threaded, rectangular, square, various odd shapes	round, oval, flanged, boots, rectangle, square, various odd shapes, multi-dip, bellows
Materials	low, medium and high density polyethylene, polypropylene, thermoplastic rubber, ethylene vinyl acetate, conductive and static dissipative polyethylene	vinyl, foam, matte, translucents, neons phosphorescent, rigid, soft, elastic, high temperature, medical grade, static dissipative, non-copper staining and high durometer
Tolerances	typically +/- .010 inch per inch	+/- .010 wall thickness +/- .010 minimum +/- .060 dip line
Standard Colors	red, black, yellow, translucent, white, green, brown, orange, blue and grey	white, black, brown, orange, red, green, grey, blue and yellow
Secondary Operations	punching, slicing, drilling, printing, assembly, special packaging, cutting, not stamping	punching, slitting, slicing, printing
Lot Traceability	Yes	Yes
Material Certification	Yes	Yes
Compliance to CGMP	Yes	Yes



Extruded Sleeve-Web Netting

Extruded Sleeve-Web® Netting

Caplugs' unique, single-piece extruding process for Sleeve-Web permits extensive product variations in terms of web thickness and weight, strand spacing, sleeve diameter, stretchability, material and color. In addition, netting can be modified and/or further fabricated after extruding by cutting, slitting or sealing one end of the netting to create a bag.

Secondary Operations

We have a variety of options for modifying existing injection-molded plastic or dip-molded vinyl products to meet your needs. If you need us to punch holes in your product, cut slits in it, pad print on it, attach chains or tags to it, make some other modification, or even specially package it, we have that capability.

Our Secondary Operations Department has hundreds of possibilities to offer when developing your customized solutions.



Secondary Operations