

CUSTOM LENS MANUFACTURING

UNMATCHED CAPABILITIES | INDUSTRY LEADING QUALITY

Proudly Serving the International Lighting Industry with Profile Extruded and Injection Molded Plastic Components



Our vast experience enables us to work with a wide variety of materials that open up new opportunities for metal replacement and part-consolidation within lighting products. Before your next project, contact Custom Plastics, Inc. to find out how we can save you time and reduce your overall costs - call us at 847.439.6770 or email us at info@customplasticsinc.com.

YOUR ONE-STOP SHOP

All of our capabilities are located within a single 165,000 square foot facility allowing us to offer the most cost efficient manufacturing processes to our customers. From design to packaging and everything in-between, we do it all under one roof.

UNMATCHED QUALITY

Based on customer needs, we provide the following quality assurance services:

- First article inspection
- Production part approval process (PPAP)
- Color spectrometry readings
- Light transmission readings

ENGINEERING SUPPORT

Our team of engineers helps customers during the design phase of a project to ensure correct resin blend, wall thickness, and design elements are selected before any tooling costs are incurred.

Throughout the manufacturing phase, project managers ensure continued customer satisfaction.



Six decades of experience extruding uneven walls, co and tri-extrusions, snap features, and thick profiles.

MORE THAN JUST LENSES

WE OFFER A FULL-SERVICE APPROACH TO LIGHTING COMPONENT MANUFACTURING

PROFILE EXTRUSION



Single, co, and tri-extrusion capabilities.

Wall thicknesses up to 3/4".

Experience with complex profiles, large hollows, uneven walls, and snap features.

Variations of optically clear, frosted, or opaque finishes based on customer needs.

INJECTION MOLDING



Press sizes ranging from 55 to 720 tons produce a wide variety of part sizes and complexities.

Insert and over-molding capabilities allow for part consolidation and increased design freedom.

Highly polished tooling for optically clear LED lenses and light reflecting components.

FINISHING, ASSEMBLY, AND PACKAGING



We offer the following value-added services to reduce the overall costs of manufacturing:

- Complete fabrication
- Dual-color pad printing
- Sub and full assembly
- Packaging
- Inventory management programs
- Product distribution

Custom Plastics, Inc. proudly serves as the nation's premier supplier of extruded lighting profiles and injection molded components. Family owned and operated for six decades, our experience and commitment includes the latest technologies and innovations in plastic extrusion, injection molding, and engineering.

Partnering with OEMs worldwide from multiple industries, we manufacture plastic parts and assemblies that reduce overall part production costs, streamline the assembly and manufacturing process, and enhance end products with our value-added finishing services.

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