



G-S PLASTIC OPTICS

Precision Polymer Optics

800.252.5335 | info@gsoptics.com

**Fall
Newsletter**

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www.gsoptics.com

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**Proudly Celebrating 100 Years
Manufacturing Quality Products in the USA**



Vertical Integration = Successful Optics Supply Programs

At **GS Plastic Optics**, our only focus is on providing our customers with specifically designed polymer optics that improve:

- Performance of your product
- Competitiveness of your business
- Your market share

Vertical integration of services and manufacturing at **GS Plastic Optics** improves customer satisfaction by eliminating multiple suppliers. We offer these customer benefits:

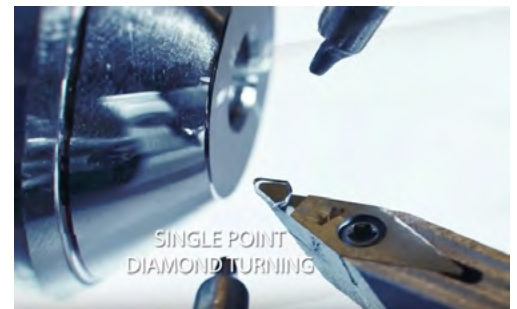
- **One supplier managing your entire program**
- **Shorter lead times**
- **Reduced logistics costs**
- **Ease of expediting product in a critical situation**

GS Plastic Optics in-house services include:

Single Point Diamond Turning (SPDT)

- o Quick turn around prototypes for design validation before investing in production molds
- o Low or high volume production to meet demanding requirements for optical precision and delivery schedules

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Tooling and Machining

- o CNC milling machines for rapid turnaround on tooling and fixtures
- o High precision blanks for SPDT machining of plastic parts and for steel optical inserts used in molds

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Injection Molding

- o Presses ranging from 20 to 200 tons
- o State-of-the-art machines and programmable controls for highest precision molding
- o Variety of machines enables flexible scheduling to meet customer delivery requirements

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Thin-Film Coating

- o (HR) Reflective gold, silver and aluminum
- o (AR) Anti-reflection in various wavelengths
- o Custom formula development to meet customer design requirements

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Metrology

- o State-of-the-art instruments to confirm and document that production processes meet the most challenging customer optics specifications
- o QA department and metrology instruments are located in the center of our plant near all manufacturing work centers for fast access and high efficiency

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Assembly and Packaging

- o Class 10,000 clean room for opto-mechanical assembly
- o Custom parts packaging ensure safe arrival to customer and compliance with customer inventory standards and production handling requirements

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At the end of the day, the **GS Plastic Optics** integrated manufacturing system benefits our customers with high quality optical components delivered on-time and on-budget, helping you to improve:

- Product performance
- Company competitiveness
- Your market share

Contact us today to see how we can bring your product to life.

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SPIE. PHOTONICS WEST
Photonics West
The Moscone Center
San Francisco, California
28 January - 2 February 2017

SPIE. DCS DEFENSE+ SECURITY
Defense+Commercial Sensing
Anaheim Convention Center
Anaheim, California
9 - 13 April 2017