Optimax Capabilities
For High Performance Optics

MANUFACTURING
THE FUTURE

585.265.1020 | sales@optimaxsi.com | optimaxsi.com
Optimax manufactures custom optics behind breakthrough technologies which allows us to deliver highly complex optics with the speed and performance your programs require.

We manufacture optical components, including:

- Aspheres
- Optical Domes
- Cylinders
- Prisms
- Freeforms
- Spheres / Flats

Our facility has diverse capabilities for making a variety of optical components up to 500 mm in diameter. We offer a wide range of optical materials for specialized applications from the deep ultraviolet (DUV) to the infrared, including:

- All optical glasses and fused silica
- Optical crystals — CaF₂, MgF₂, ZnS, ZnSe, Ge, Si, Sapphire
- Optical ceramics — Spinel, AlON, Clearceram, Zerodur

By incorporating a broad range of manufacturing technologies, we will choose the best process for your requirements. Fabrication capabilities range from conventional processing to highly deterministic CNC machining, including:

- CNC subaperture polishing
- Magnetorheological Finishing (MRF)
- Optimax patented VIBE polishing
- Ion Beam Figuring (IBF)
- Custom-built metrology solutions
- Robotic polishing solutions
Manufacturing Groups

You can rely on our distinct manufacturing groups to deliver highly complex optics and world-class coatings that are both consistent and economical. Each group is purpose-built to deliver unique value to your program.

Prototype Optics
- Small Volume
- High Quality
- Quick Delivery

Production Optics
- Cost Effective
- Reliable
- Low Risk

Laser Grade Optics
- Large Diameter
- High Precision
- Highly Engineered

Optical Coatings
- Deep Ultraviolet (DUV)
- High Energy Lasers
- Filters

Bring us your most challenging projects.

For more information visit www.optimaxsi.com/capabilities
**Aerospace**
We supply NASA with high quality imaging lenses, like those on the Mars Rover, designed for position sensing, landform mapping, and optical analysis.

**Defense**
Our advanced optics complete challenging defense projects in directed energy, reconnaissance, and hypersonic applications.

**Semiconductor**
Our optics are behind some of today’s most breakthrough technologies including lithography, inspection and advanced packaging.
Optimax Difference

We specialize in Asphere, Cylinder, Freeform, Plano and Sphere/Flat optics in sizes up to 500 mm. All parts are manufactured to customer-supplied specifications and include final inspection data.

Facility: 120,000 sq. ft.
Employees: 400+
CEO: Rick Plympton
Founded: 1991

Compliance:
ITAR (International Traffic & Arms Regulations)
EAR (Export Administration Regulations)
Dodd-Frank Act (conflict minerals)
RoHS (Restriction of Hazardous Substances)
REACH (Registration, Evaluation, Authorization and Restriction of Chemical Substances)
MIL-I-45208A Quality System
Small Business

Registered: ISO 9001:2015 certified
US Dept of State: Registered with Directorate of Defense Trade Controls
Encryption: PGP® Desktop Email
D&B #78-706-4120 (Dunn & Bradstreet)

Partners in Manufacturing
At Optimax, you’ll receive a team of engineers and account managers to ensure on-time delivery, efficient communication and outstanding quality.

For more information visit
www.optimaxsi.com/capabilities