

LENSES

We manufacture custom precision lenses for commercial and defense industries using state-of-the-art 5 axis grinding and generating equipment along with traditional polishing techniques.

AMF Optical Solutions fabricates Spherical and Aspheric Diamond Turned lenses from 0.250"Ø to 8"Ø using materials such as BK-7, Excimer Grade Fused Silica, Germanium and Silicon. Surface finishes are usually 1/10λ spherical and/or 1/10λ flat with 20/10 or better scratch & dig.

Our IR thermal imaging lenses are transmissive optics, ideal for IR applications.

Available Materials Include:

- Germanium (Ge)
- Zinc Selenide (ZnSe)
- Zinc Sulfide (ZnS)
- Zinc Sulfide MultiSpectral (ZnS MS)
- Silicon (Si)
- Calcium Fluoride (CaF₂)

Geometries Include:

- Spheres
- Aspheres
- Diffractives
- Freeforms Lens Arrays

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Our products are proudly made in the USA.

