



Rocky Mountain Instrument Co.
(303) 664-5000
sales@rmico.com

Infrared Optics

U.S. Manufacturing Partner



Fabrication:

- "Near net blanks"
- Unique features (Annulus/steps, Short/Long Radius, CX/CC)
- Diameter 0.5" to 10.0"
- High speed grinding technology
- Capacity up to 2500 pcs/month (under 2")
- IR materials: ZnS (Cleartran), ZnSe, CaF₂, BaF₂, LiF, Si, Ge, GaAs, Chalcogenide (IRG, BD, AMTIR)

Polishing:

- "Ready to coat blanks"
- Spherical lenses
- Conventional and high-speed polishing
- High volume production 1000 pcs/month (under 2")
- IR materials: same as above

Diamond Turning:

- Aspherical lenses
- Diameter 2.0mm to 400mm
- IR materials: same as above
- 4 diamond turning lathes (3x250mm, 1x650mm)
- Zygo, Taylor Hobson stylus profiler, Lumphoscan non-contact profiler (planned for 2026)

Coating:

- 4 Coating chambers dedicated to IR (15 total)
- SWIR, MWIR, LWIR
- High efficiency anti-reflection
- Non-thorium formulas
- Custom designs

CNC Machining:

- 4-axis CNC mill
- 2-axis CNC lathe
- Lens housings
- Opto-mechanical cell manufacturing
- High precision mechanical fixtures
- Support quick turn tooling (for high-speed grind/polish)
- As-built components re-optimized for final DFM stage

General:

- USA manufacturing
 - Established in 1957
 - ITAR Registered
 - ISO 9001:2015 Certified
 - NIST CMMC Level 2 (Q4'26)
 - 75,000 sq ft. facility
 - 90 employees
-