

# EMF

## Large Format Optics



EMF is designed to handle large format optics and special substrate programs that require intensive engineering interaction and careful program management. Our group has more than 80 years of optics handling experience and has participated in some of the most exciting optics adventures in the history of space exploration. Our team can customize our offering to your specifications or create custom thin film solutions to meet your system challenges and needs.

### Mirror Coatings (Protected and Enhanced) - Sizes up to 2.5 meters (108 inches) and 5,000 lbs

Coating	Benefits
Silver	Outstanding reflection for visible and infrared wavelengths
Aluminum	Long-lasting, durable, good reflection in ultraviolet, visible, and infrared wavelengths
Gold	Excellent reflection for infrared wavelengths



### Dielectric Coatings

Coating	Applications
High Efficiency/Low Reflectors (HELRL) & Multi-Layer Anti-Reflection (MLAR)	Minimize reflection to less than 1% of surface
Beamsplitters	Reflection/Transmission +/-5% for 50/50 and 60/40



### Industries Served

- Aerospace
- Astronomy
- Defense

### Typical Applications

- Satellite Mirrors
- Telescope Mirrors
- Training Simulators
- IR Imaging Systems



📌 ***You guys really nailed it! We very much appreciate both the excellent work and your professional attitudes.***

Jeff Morgan - Sr. Telescope Engineer, PAN-STARRS Project, University of Hawaii