



emfXLS

GENERAL

EMF XLS is a business unit designed to handle large optics and special substrate programs that require intensive engineering interaction and careful program management. Our XLS group has over 60 years of optics handling experience and has participated in some of the most exciting optics adventures in our history of space exploration. The XLS staff is on hand to customize our standard offering to your program or to create custom thin film solutions to meet your system challenges and needs.

STANDARD COATING CAPABILITIES

Mirror Coatings (Protected and Enhanced)

Sizes up to 2.3 meters (90 inches) and 4,000 lbs.

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

Coatings for Simulators

Sizes up to 1.7 meters (69 inches) and 1500 lbs.

Coating	Application
High Efficiency/Low Reflectors (HELRL) & Multi-layer anti-reflection coatings (MLAR)	for reflection less than 1% per surface
Beamsplitters	Reflection/Transmission +/- 5% for 50/50 and 60/40

INDUSTRIES SERVED

Aerospace
Astronomy
Military

TYPICAL APPLICATIONS

Satellite Mirrors
Telescope Mirrors
Training Simulators and IR Imaging Systems