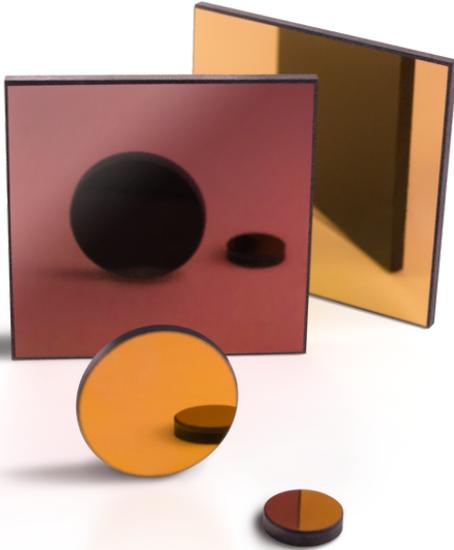


# Why Choose Andover?



Andover Corporation is uniquely qualified to produce optical filters and coatings for industries that include Medical, Machine Vision, Aerospace, Defense, and Automation. With 45 years of experience, we have designed and manufactured filters for ground-based, airborne and space borne systems, medical and life science, agricultural inspection, aerial imaging, machine vision, inspection, security and surveillance

## Infrared Coatings

Andover Corporation offers optical coatings for the long wave infrared on substrate materials such as Germanium, Zinc Selenide, Zinc Sulfide, Silicon, Sapphire, and Chalcogenides. Coating types include AR's, bandpasses, long and short passes, dichroics and more. We can also design infrared coatings to function as dichroics, reflecting one region while allowing the transmittance of another.

## Bandpass Filters

We produce bandpass filters over a much broader range than any other coating firm, from 193nm to 15 $\mu$ m in wavelength, and a bandwidth range from very wide (>10%), to extremely narrow (<0.02%). Andover can produce custom bandpass filters with very short lead times. We also have over 1,000 different standard, off-the-shelf bandpass filters.



## Neutral Density Filters



Andover manufactures ND filters for use in the UV through IR wavelength bands. These filters exhibit outstanding neutrality, outperforming all others on the market. Our off-the-shelf stock includes a large selection of standard sizes and densities. Custom sizes and densities are available on request.

## Steep-Edge Longpass Filters

Our steep-edge longpass filters employ magnetron sputtered hard oxide coatings to yield deep rejection and a sharp transition to very high transmission. The coatings are deposited on precision polished fused silica substrates and do not employ any absorbing filter glasses, making them suitable for high temperature applications. Andover offers these in three standard sizes, with custom sizes available on request.

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## Company Expansion

Andover's recent expansion creates our third coating room. Customers will find that the new expansion brings faster turnaround times, greater layer coatings, steeper curves and higher OD. This will allow us to meet the growing demands of our customers by offering three new product lines.

## Specialized Coatings

Andover manufactures precision custom coatings from 193nm- 15 $\mu$ m. Types include non-polarizing beamsplitters, multi-band dichroics, dual bandpass filters, multi-band AR coatings and more. We coat a wide variety of substrates including BK-7, Fused Silica, Filter Glass, Sapphire, Germanium, Silicon, Calcium Fluoride, Zinc Sulfide, Zinc Selenide and more.

## Fabrication Capabilities

Whether you require a filter that's 2mm or 350mm, Andover has fully automated CNC equipment to fabricate exactly what you need, with the quality you expect, and using the optical material of your choice.

## State-Of-The-Art Testing

Andover is equipped and performs a variety of testing, both optical and physical. Our environmental chambers allow us to execute performance or survivability testing at temperatures from -192°C to +500°C. This, along with the ability to vary humidity levels, allows us to ensure compliance with your custom specifications or MIL standards.

## Quality Control

To ensure total quality control, Andover uses state-of-the-art equipment. We can measure over the wavelength range from 193nm to 50 $\mu$ m, inspect for the most minute surface or internal defect, and characterize the wavefront distortion down to 1/20 wave. Our tunable interferometer allows us to perform transmitted wave front measurements from 350-1100nm. Andover can measure transmission characteristics at cryogenic temperatures as low as 77°K, over the entire testing range.