

# OptoSigma Coating Capabilities

## Services

Ion Assisted Deposition (IAD) process  
Advance Plasma Source (APS) plasma-ion assisted process  
Custom coating design & development  
Coating of catalog optics and customer supplied materials  
Coating on optical glass, wafers, fibers and crystals  
Fast dependable turnaround  
All-oxide high damage laser coatings  
Clean room cementing & assembly

## “Super V” Coatings

Wavelengths: 632.8 to 1550nm,  $R_{avg}$ : <0.05%

## “V & U” Coatings

Wavelengths: 193 to 308nm,  $R_{avg}$ : <0.5%  
Wavelengths: 325 to 2100nm,  $R_{avg}$ : <0.25%

## Broadband AR Coatings

Wavelengths: 240-360nm, 360-532, 425-675nm,  
600-900nm, 670-1100nm, 850-1500nm, 800-1200nm,  
1100-1600nm,  $R_{avg}$ : <0.6%

## Multiband AR Coatings

Wavelengths: 1064/532nm, 633/1064nm,  
 $R_{avg}$ : <0.25%

## High Reflection Laser Line Coatings

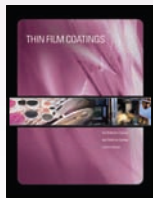
$R > 99.0\%$  248 to 308nm  
 $R > 99.5\%$  325 to 2100nm

## Broadband High Reflection Coatings

Wavelengths: 400-700nm, 420-540nm,  
540-650nm, 600-900nm, 700-1000nm,  
800-1200nm,  
 $R_{avg}$ : >99.5 at 45 degrees

## Partial Reflective Coatings

10% to 99.5% at wavelength 248 to 2100nm



Thin Film Coatings | Optical Components | Opto-Mechanics | Manual Positioners | Motorized Positioners

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