

Precision Thin Film Coatings

Abrisa Technologies' ZC&R Coatings for Optics division delivers unique designs and precision thin film coating solutions on fabricated glass, wafers, filter glass, and other materials of our/or customer supply. Our engineers work closely with customers to understand both the application and their business needs so that our solutions not only meet optical performance needs but include considerations for "fitness-for-use" and economies of scale. Coated solutions are offered from 200nm in the UV to 20 microns in the far infrared and non-optical applications.

Anti-Reflective (AR) & Sunlight Readable

- Photopic & Oleophobic AR for Displays
- Narrowband V-Coat for Lasers & Scanners
- Broadband UV, VIS, NIR, SWIR, MWIR, LWIR Anti-Reflection for Imaging
- Wide Angle 0-55° AR for LIDAR & Sensors

Beam Splitter & Partial Transmitters

- Standard, Polarizing, Non-Polarizing, Hybrid
- Partial Transmitters for Security, Hidden LCD
- Neutral Density & Dark Mirrors

Bio/Chemical Compatible & Protective

- Autoclavable for Medical & Dental
- Selective & Absorptive for Bio/Chemical Sensing
- Chemically Compatible for Bonding or Processing
- UV Transmissive for Curing or Fluorescence

Defense & IR Control

- Hot & Cold Mirror Filters
- Infrared (IR) AR, Mirrors, Filters, Beam Splitter
- Blackeye, Covert, Semi-Covert & SWP
- NVIS/NVG Compatible

Mirror, Metallic & Bus Bar

- Gold, Silver, Aluminum, Titanium, Silicon, Tantalum
- All Dielectric – Laser, Select & Broadband
- Bus Bars – CrNiAu, Ag Epoxy, Ag Frit

Transparent Conductive (ITO/IMITO)

- Heater & Anti-Fog
- EMI Shielding
- LC Electro-Optic Switching & Filtering

UV, Solar & Heat Management

- UV/IR Blocking, Hot & Cold Mirrors
- Blacklite™ UV Transmitting
- UV AR for 375 & 405 nm Diodes/DLP's

Wavelength Selective & Color

- Long Wave & Short Wave Pass
- Band Pass & Notch
- Dichroics, RGB, CYM, Color Correction
- Color Temperature

