

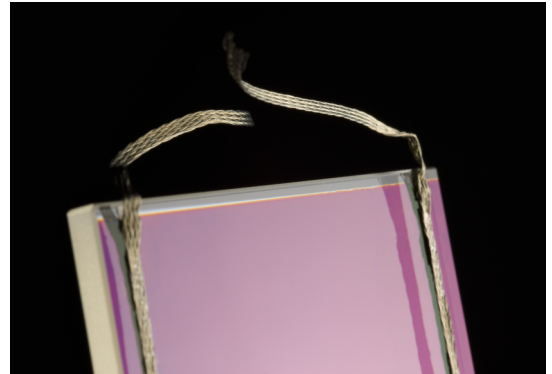
# Defence & Aerospace, Research & Security

**ITO**

## Conductive windows

Artemis Optical Ltd design and manufacture Conductive Windows, typically for use in external optical windows and imaging planes.

Our conductive windows offer exceptional colour neutrality, increased system transmission, highly predictable performance and delivery, together with maximum viewing areas that do not compromise Electro-Magnetic Compatibility.



We have the capability to design a complete product solution, including bus bars and pig tails to suit your requirements. We strive to meet technical challenges, taking your project from development, through to prototype and full production.

### Application

Conductive Windows are used to demist/deice external optical windows and imaging planes.

This ensures that optical sensors and instrumentation remain in working order when being used outdoors, regardless of the weather conditions.

### Special features of Conductive Windows

- In house busbar & braiding capabilities offering complete product solution.
- High levels of production repeatability giving highly predictable delivery rates.
- Highly stable coatings, giving predictable performance over time.
- Designed to match your specific requirements from 15Ω - 120Ω per cm<sup>2</sup>.
- Highly colour neutral in the visible and near IR improving system ranges and target recognition.
- Anti reflection overcoat options for increased system transmission.
- Ability to maximise clear apertures offering maximum viewing areas, without compromising Electro-Magnetic Compatibility.

# Defence & Aerospace, Research & Security

**ITO**

## Conductive windows

### Durability Spec

For a typical ITO coating without an AR overcoat, we would conduct environmental tests in accordance with MIL-C-48497A para 3.4.

#### This covers:

- Adhesion
- Humidity
- Abrasion moderate and severe
- Temperature cycling
- Solubility and Cleanability
- Salt solubility
- And Water solubility

Tests conducted will vary depending on the ITO coating required for your particular Conductive Window.

### Artemis Optical & Our Facilities

Headed by the team of five Directors, Artemis, a world renowned company employs in excess of 50 talented staff, with an unbeatable history of more than 50 years in the design and application of its high precision, technically differentiated optical coatings.

Our customer portfolio includes blue chip original equipment manufacturers in the defence, aerospace, security, photonic surgery and medical and analytical instrumentation markets.

Our state of the art facilities are located at Langage Science Park in Plymouth the South West of England. Our factory includes a 22,000 square foot bespoke, environmentally controlled coating room, housing a range of modern coating chambers, to include APS, APS Pro, Sputtering and thermal evaporation coating technologies.

#### Sales Director

Claire Burke



Claire.burke@artemis-optical.co.uk  
+44 (0)1752 294907

**a** 1 Western Wood Way, Langage  
Science Park, Plympton, Plymouth,  
Devon, PL7 5BG

**t** + 44 (0)1752 341 943

**f** + 44 (0)1752 342 467

**w** [www.artemis-optical.co.uk](http://www.artemis-optical.co.uk)

