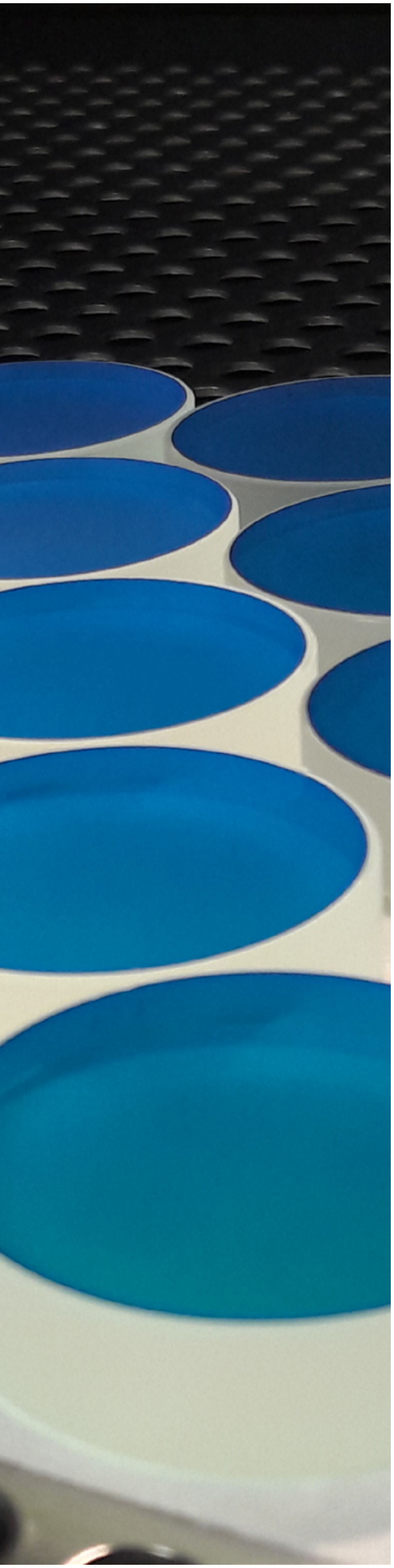


DIELECTRIC COATINGS

HIGH REFLECTIVITY MIRRORS, DICHROICS, BEAMSPLITTERS, POLARIZERS, FILTERS, AR COATINGS FOR COMPONENTS UP TO 2 METERS

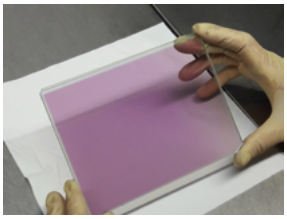
For Space, Satcom, Industry, Biomedical, Astronomy and Research

> Feasibility studies and design service
> From prototype to mass production
> From small to large dimensions:
  - up to 2 meters for AR coatings
  - up to 400mm for dichroics and mirrors
  - up to 200mm for filters
> Bridge cranes to handle heavy optics

Features of Dielectric coatings	
Substrate materials	Silica, BK7, BK7G18, CaF2, various glasses
Substrates shapes	Lenses, windows, wedges, freefrom optics
Coating type	Dielectric coatings based on oxides
Coating process	Magnetron sputtering (dense coating) Plasma Ion Assisted deposition (dense coating) In-situ optical monitoring 900m² of clean room ISO5 to ISO8
Spectral range	220nm to 2.5µm
Cosmetics	5/C 1x0.16 per 25mm pupil according to ISO 10110-7
Environmental compatibility	Suitable for severe environments (ATOX, radiations, vacuum, humidity...) Space heritage available upon request Cleanable
Coating free areas	Coating free areas masked upon request
Wave front error (WFE)	Stress compensation available upon request

Main references

> Anti-reflective coatings for microelectronic industry
> UV Filter for decontamination
> Earth observation filters for Microcarb satellite
> Dichroic for Perseverance Supercam
> Filters for SPHERE IRDIS instrument of VLT



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