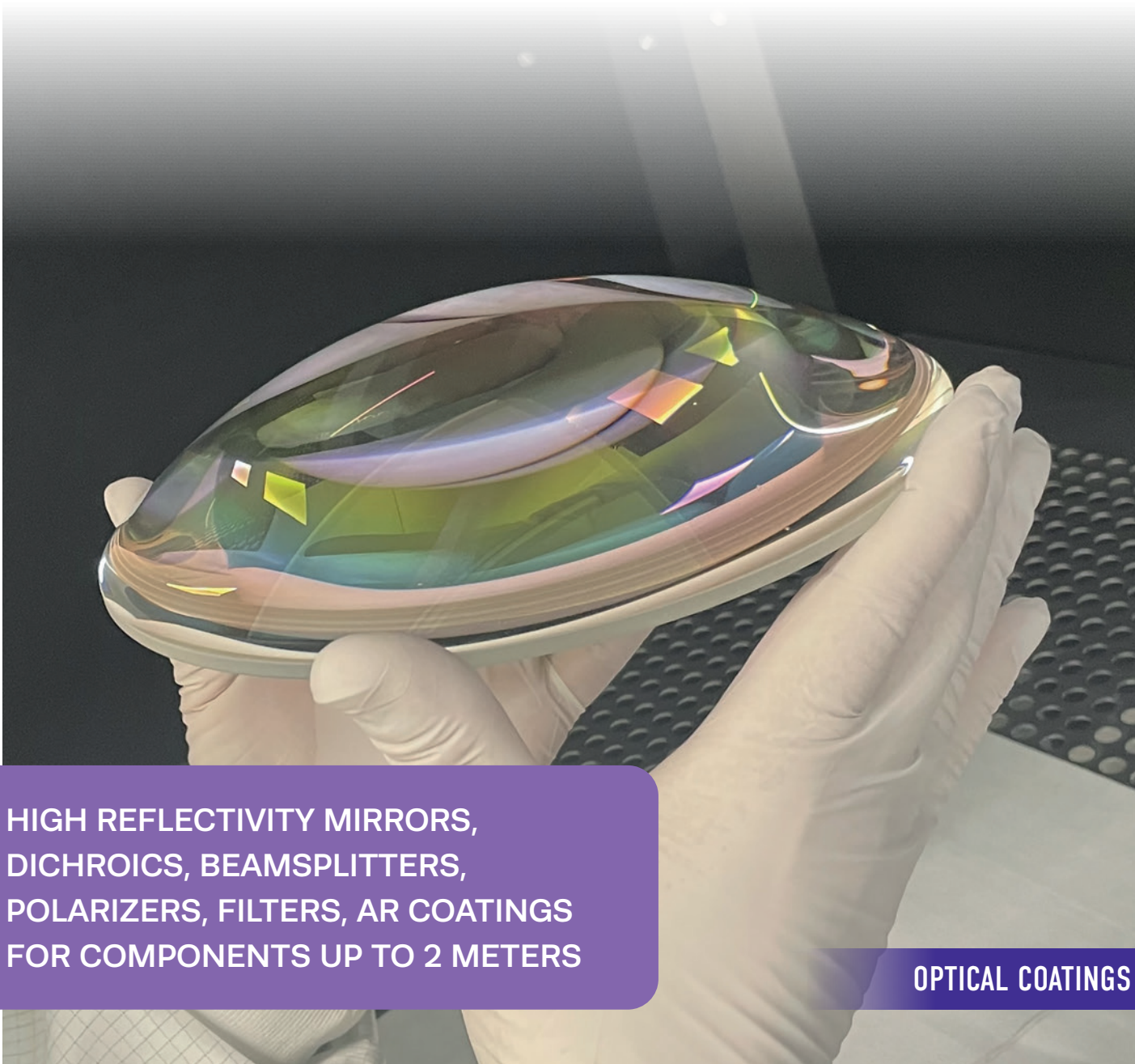




DIELECTRIC COATINGS

FOR SPACE, SATCOM, INDUSTRY, BIOMEDICAL,
ASTRONOMY AND RESEARCH



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

OPTICAL COATINGS

DIELECTRIC COATINGS

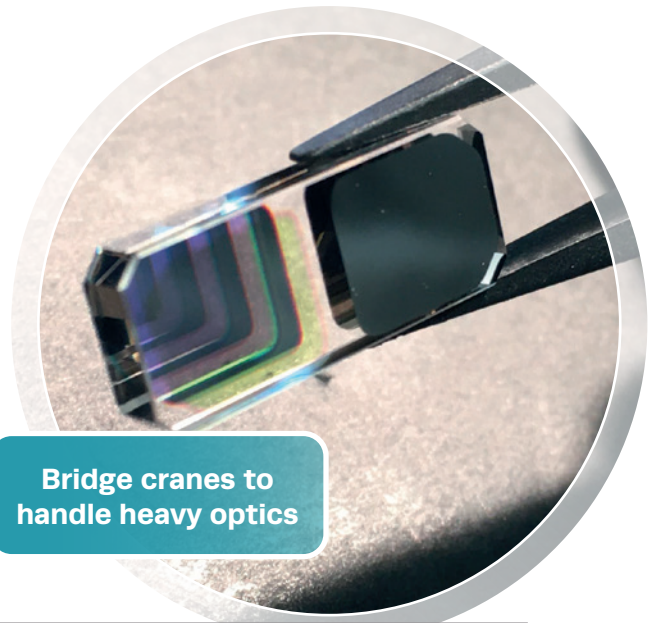
From small to large dimensions:

- up to 2 meters for AR coatings
- up to 400 mm for dichroics and mirrors
- up to 200 mm for filters

Feasibility studies
and design service

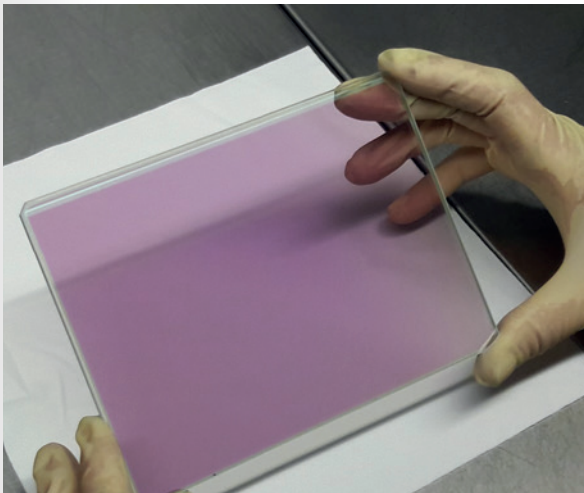
From prototype
to mass production

Bridge cranes to
handle heavy optics



FEATURES OF DIELECTRIC COATINGS

SUBSTRATE MATERIALS	Silica, BK7, BK7G18, CaF2, various glasses
SUBSTRATES SHAPES	Lenses, windows, wedges, freeform optics
COATING TYPE	Dielectric coatings based on oxides
COATING PROCESS	Magnetron sputtering (dense coating) Plasma Ion Assisted deposition (dense coating) In-situ optical monitoring 900 m ² of clean room ISO5 to ISO8
SPECTRAL RANGE	220 nm to 2.5 μm
COSMETICS	5/C 1 x 0.16 per 25 mm 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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