



METALLIC COATINGS

FOR SPACE, INDUSTRY, ASTRONOMY AND RESEARCH



ENHANCING OPTICAL SYSTEMS
PERFORMANCES FOR MIRRORS
UP TO 2 METERS

OPTICAL COATINGS

METALLIC COATINGS

Catalogue available upon request

Feasibility studies and design service

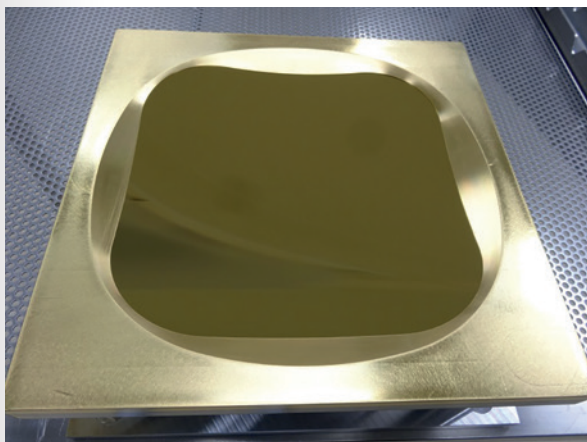
From prototype to mass production

From small to large dimensions

Bridge cranes to handle heavy optics



FEATURES OF METALLIC COATINGS	
SUBSTRATE MATERIALS	Silica, Zerodur®, Aluminum + NiP, Bare aluminum, Stainless steel, SiC, etc.
SUBSTRATES SHAPES AND DIMENSIONS	Flat, concave and convex mirrors Up to diameter 2000 mm, 400 mm height and 1.5 tons
COATING TYPE	Protected and enhanced silver Protected and enhanced aluminum Unprotected gold
COATING PROCESS	Magnetron sputtering (dense coating) 900 m ² of clean room ISO5 to ISO8 Grounding upon request
REFLECTIVITY	From 250 nm to 16 μm
COSMETICS	5/C 1 x 0.16 per 100 mm pupil according ISO 10110-7
ENVIRONMENTAL COMPATIBILITY	Suitable for severe environments (ATOX, radiations, vacuum, humidity...) Space heritage available upon request Cleanable
COATING AREAS	Full surface coating Coating free areas masked upon request



MAIN REFERENCES

- Laser Mégajoule reflectors
- Proba-V and TROPOMI instruments
- Space telescope mirrors
- Euclid OGSE
- OAJ secondary mirror
- Solar simulators

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