



METALLIC COATINGS

ENHANCING OPTICAL SYSTEMS PERFORMANCES FOR MIRRORS UP TO 2 METERS

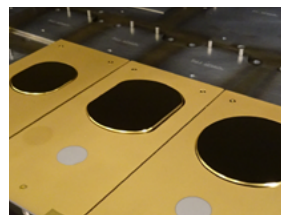
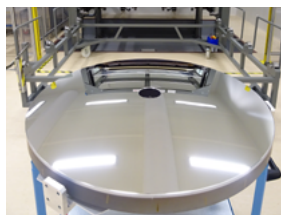
For Space, Industry, Astronomy and Research

- > 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 2000mm, 400mm height and 1.5 tons
Coating type	Protected and enhanced silver Protected and enhanced aluminum Unprotected gold
Coating process	Magnetron sputtering (dense coating) 900m ² of clean room ISO5 to ISO8 Grounding upon request
Reflectivity	From 250nm to 16µm
Cosmetics	5/C 1x0.16 per 100mm 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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