

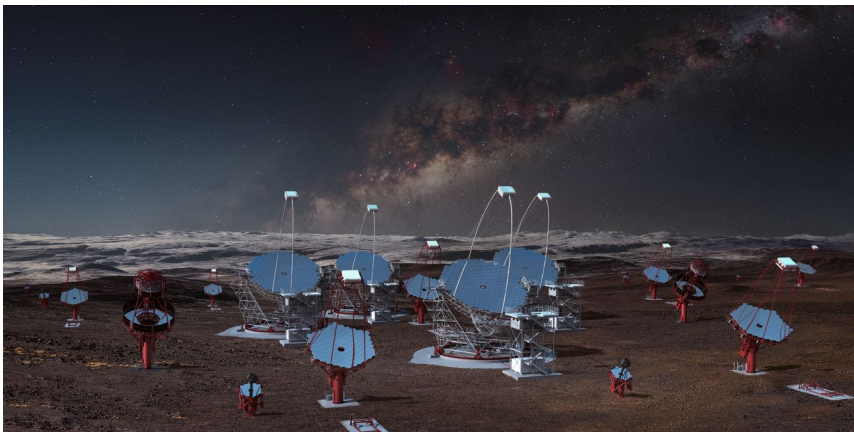
KERDRY
member of HEF PHOTONICS

Transversal competencies

KERDRY developed a specific industrial tool to offer **optical and metallic coatings**. KERDRY: a park of PVD (Physical Vapor Deposition) machines installed in **1000 m² of clean rooms**. **Photolithography** steps can be associated with these coatings to produce localized deposits. These skills enable us to address markets as diverse as Space, Medical, Defense, Aeronautics, Telecommunications, Luxury Goods or Research

COMPETENCIES & CAPABILITIES

- Dielectric Coating (AR, filters, Bragg mirror, Custom)
- Metallic protected and enhanced Mirror Coating (Al, Ag, Au)
- Absorber (Black coating)
- Transparent and conductive coating (ITO)
- Metallization for soldering
- Sputtering, E-beam (IAD), Thermal evaporation, Photolithography



KERDRY

PRODUCTS & SERVICES

METALLIC COATING (Au, Ti, Pt, Ag, Al, Cu, Cr, Ni, Nb...)

- Evaporation and Sputtering
- Mirror, Soldering, Conductivity, Air tightness of packaging...

OPTICAL COATING

- Electron beam with ion assisted deposition
- Antireflective, Mirror, Dichroïc, Cold mirror...
- Optical bandwidth: 0,35 µm to 15 µm
- Capacity up-to 1.40 m (55") substrate diameter

PHOTOLITHOGRAPHY

- On substrate from 2" up to 8"
- Process lift off, Wet & Dry Etching
- Resolution: few micrometers

OPTICAL FIBER COATING

- Optical filter - Mirror
- Metallic Coating for soldering

MAJOR SPACE PROJECTS & REFERENCES

- Metallization for JUICE project (SAP Micromecanique) : gold coating on hyperfrequency mixer
- Metallization for SEIS project (Sodern) : gold coating on domes

POINT OF CONTACT

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TURNOVER 2 M€

WORK FORCE 20

SPACE TURNOVER 0,1 M€

SPACE WORK FORCE 2,5