

Thin Films on request

Neyco offers thin films depositions, upon your specifications.

NOS INSTALLATIONS

Clean rooms of 850 m² area, with 12 coating systems (sputtering, electron gun, ion assistance, thermal evaporation).

Chambers dimensions : diameter 300 to 1400 mm.

In-situ and ex-situ characterization tools: transmission, thickness, reflection, adherence ...

From single substrate to large batches, on many types of materials: glass, Silicon wafer, single crystals, Stainless Steel, Nickel, Copper, Aluminum, ...



CIR

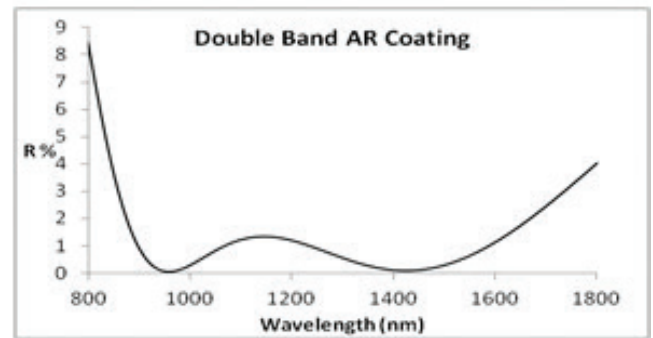
We are able to develop for you thin films you need, upon your specifications. French government accreditation to Crédit Impôt Recherche (laboratory).

OPTICAL THIN FILMS

Wide range of optical coatings, obtained by evaporation.

Some of highlights (spectral range from 0.3 to 15 μ):

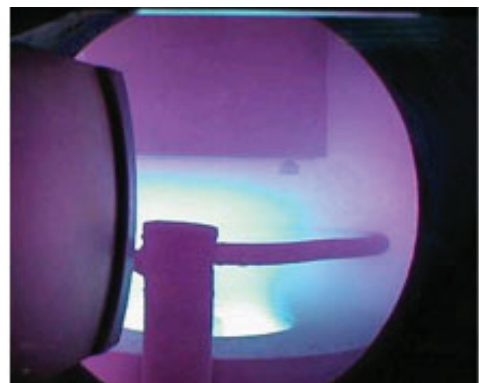
- Antireflect (AR)
- Mirrors : with metal, dielectric, high reflexion > 99.5%
- Black coating ($R < 3\%$ in visible range)
- Dichroic filters, high-pass, low-pass, ...



DERORATIVE THIN FILMS

Decorative coatings are obtained by vacuum evaporation or sputtering:

- Metal based (Al, Au, Ag, Ni ...)
- Colors (co-deposition, oxides ...)
- Intense black



OTHER THIN FILMS

Some examples:

- Resistive and conductive layers
- Metallization for soldering applications
- Electrical contacts
- Photolithography

