

SURFACE TREATMENTS FOR OPTICAL COMPONENTS



The new highly specialized **in-house Coating Department** was recently introduced to offer our customers a complete service and even higher quality finishes.

- High uniformity
- High efficiency
- High purity levels
- Wide application range

We trace each production batch, promptly provide the entire documentation with technical specifications to satisfy the requests of our customers.

TYPE OF COATINGS

Anti-Reflection Coating, Broadband Filters, High Reflection Coating, Band Pass Filters, Beam Splitters

TYPE OF SUBSTRATES

We treat all substrates marketed by the main producers and any kind of optical component and surface.

TYPE OF APPLICATIONS

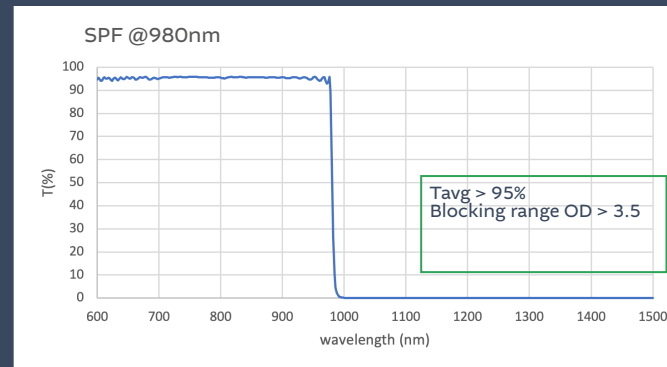
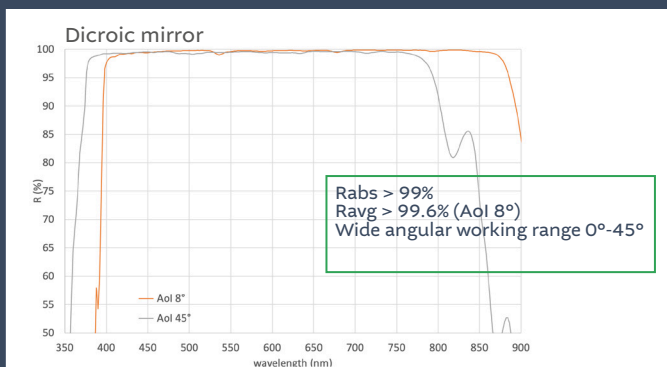
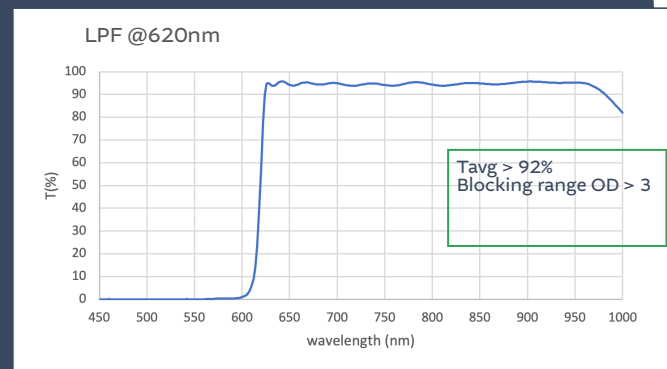
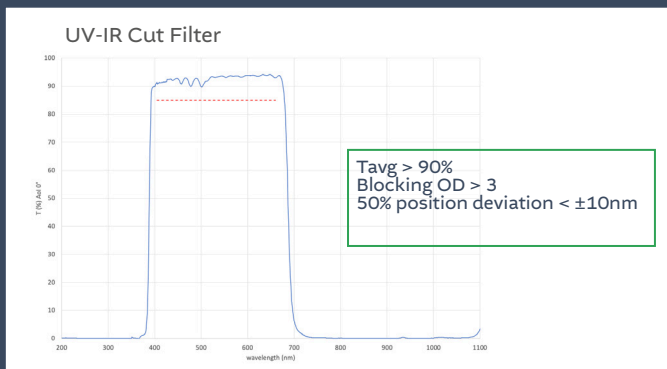
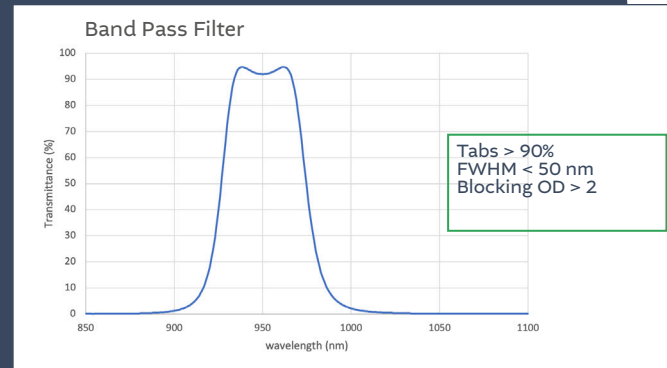
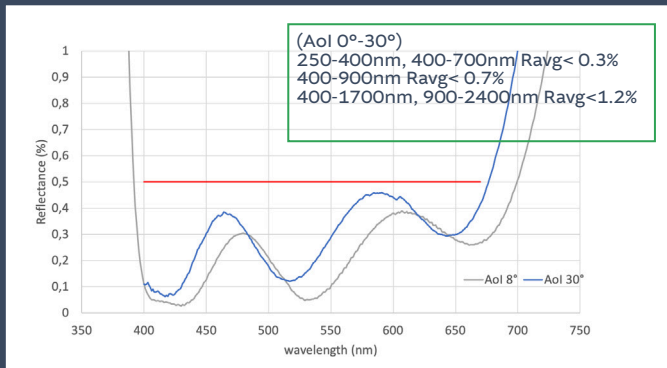
Ideal for various applications in the UV-VIS-SWIR and IR regions: Aerospace, Laser, Biomedical, Lighting, Machine Vision, Imaging, Security and Defense.



AR, BROADBAND AND HIGH REFLECTION COATINGS

DICROIC FILTERS

Easy change of the central wavelength with Optical Monitoring System.



In Tecnottica we are specialized in **Electron Beam Evaporation (EBE)** and **Ion Assisted Deposition (IAD)**, two of the most effective methods for the deposition of dielectrics, granting exceptional directionality and a higher deposition rate.

Our Coating department is equipped with:

1. **Bühler Leybold Syrus Pro 1100**, PIAD with OMS controller
2. **Optotech OAC-75F** with EBE Technology

METROLOGY

Spectrometer:

- Shimadzu IRAffinity-15•
- PerkinElmer Lambda 1050+
- EssentOptics PHOTON RT 190-4900

Climatic Chamber:

- DY110 C ACS

COATING FACILITY

Cleanroom ISO 14644-7 certified with Laminar Flow Modules ISO 14644-5 certified

COATING CERTIFICATION STANDARD

Standard ISO 9211, Standard ISO 9022, Standard ISO 10110

MIL-F-48616, MIL-C-48497A



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