

SERVICE CODE: 883471

Characterization and Growth of Thin Films

2026 Rates					
CONCEPT	CUSTOMER				
	ICMM	CSIC	UAM Excellence Campus and CSIC Joint Centers (CIF no CSIC)	Spanish public Universities, AGE, OPIS	Private Organizations/ Others
Hardness determination: Vickers, Rockwell, Brinell: Nanoindentation Hardness determination-Er (€/hour)	12.25	14.37	14.37	66.34	72.66
Profilometry: Contact Profilometry (€/hour)	14.36	16.85	16.85	82.21	90.04
Profilometry: Optical Profilometry (€/hour)	7.91	9.28	9.28	60.20	65.93
Physical Vapor Deposition Sputtering Magnetron: Sputtering film deposition (€/hour) *	21.10	24.75	24.75	233.43	255.66
Raman Spectroscopy: Raman Spectrum (€/hour)	9.06	10.63	10.63	61.57	67.44
UV-VIS-NIR Spectroscopy - Visible spectral reflectometry: UV-Vis-NIR Spectrophotometer (€/hour)	26.01	30.51	30.51	90.46	99.08
4-points resistivity measurement (€/hour)	8.01	9.39	9.39	60.73	66.51

NOTE : Rates do not include VAT if applicable.

* Rate applicable when the sputtering target is supplied by the user. The use of sputtering targets supplied by the Service must be discussed in advance with the Service Responsibles; the cost depends on the material and the target specifications.