

SERVICE CODE: 883471

CHARACTERIZATION AND GROWTH OF THIN FILMS

2025 Rates							
CONCEPT	CUSTOMER						
	ICMM		CSIC		UAM and CSIC Joint Centers (CIF no CSIC)	Spanish public Universities, IMDEA and OPIS	OTHERS
	EUROPEAN PROJECT	NATIONAL PROJECT	EUROPEAN PROJECT	NATIONAL PROJECT			
Physical Vapour Deposition - Electron beam: Film evaporation (€/hour)	89.07	52.84	89.07	61.98	61.98	184.02	227.83
Hardness determination: Vickers, Rockwell, Brinell: Nanoindentation Hardness determination-Er (€/hour)	45.88	31.70	45.88	37.19	37.19	100.60	143.72
Profilometry: Contact Profilometry (€/hour)	36.79	15.22	36.79	17.85	17.85	62.78	68.75
Profilometry: Optical Profilometry (€/hour)	36.79	28.53	36.79	33.47	33.47	64.33	70.18
Physical Vapor Deposition Sputtering Magnetron: Sputtering film deposition (€/hour)	77.70	70.80	77.70	83.05	83.05	202.16	250.29
Raman Spectroscopy: Raman Spectrum (€/hour)	77.70	21.13	77.70	24.79	24.79	128.16	140.37
UV-VIS-NIR Spectroscopy - Visible spectral reflectometry: UV-Vis-NIR Spectrophotometer (€/hour)	45.88	40.15	45.88	47.10	47.10	152.20	198.53
Determination of wear resistance: Pin-On-Disc (€/hour)	63.74	21.13	63.74	24.79	24.79	110.06	157.23
4-points resistivity measurement (€/hour)	36.79	26.42	36.79	30.99	30.99	81.96	89.76

NOTE: Rates do not include VAT if applicable.