

				Rates 2014*		
Platform	Services	Services / Equipment	Self-Service	Non-profit Organization	Profit-Making Organization	
Sample Fabrication Platform	Thin Film Growth	Clean Room access flat rate	Yes	30 €/day, max. 125 €/month (1500 €/year)	45 €/day, max. 170 €/month (2000 €/year)	
		UHV magnetron sputtering (ATC series AJA Sputtering System)	Yes	45 €	68 €	
		E-beam/thermal evaporation (UNIVEX 350 Oerlikon/EPVD75 Kurt J. Lesker)	Yes	33 €	49 €	
		Table top basic sputtering (Leica EM MED020/Quorum technologies Q150TES)	Yes	20 €/deposition	30 €/deposition	
		Atomic layer deposition (Cambridge Nanotech Savannah S100)	No	90 €	113 €	
	Nano-Structures Fabrication	E-beam lithography (Raith -150-TWO / E-line)	No	72 €	90 €	
		FIB-FE(I)BID (Dual beam FIB/SEM FEI Helios Nanolab / Helios 450S)	No	56 €/hour, max. 450 €/day	70 €/hour, max. 562 €/day	
		Optical lithography (EVG Mask Aligner)	Yes	30 €	45 €	
	Sample Processing	Reactive ion etching (RIE Oxford Plasmalab 80 Plus)	Yes	45 €	68 €	
		Ion milling (4wave)	Yes	45 €	68 €	
		Microscopy sample preparation	No	Under Request	Under Request	
	Others	Double Pack Oven 650 °C /Oven 1100 °C	Yes	8 €	12 €	
		Critical Point Dryer	Yes	25 €	38 €	
		Wetbenches for lithography processes (spin coaters, hot plates, ultrasonic baths)	Yes	Included in Clean Room flat rate 14 €	Included in Clean Room flat rate 21 €	
		Base, Acid and Solvent Wetbench (etching...)	Yes	Included in Clean Room flat rate 10 €	Included in Clean Room flat rate 15 €	
		Plasma Asher	Yes	Included in Clean Room flat rate 20 €	Included in Clean Room flat rate 30 €	
		Adhesion HDMY	Yes	Included in Clean Room flat rate 20 €	Included in Clean Room flat rate 30 €	
		Dicing Saw	No	20 €	30 €	
	Characterization Platform	Structural Characterization	X-ray reflectivity/diffractometry (X'pert PRO by PANalytical)	Yes	35 €	53 €
			SEM/eSEM (ESEM FEI Quanta 250)	Yes	30 €/hour, max. 240 €/day	40 €/hour, max. 320 €/day
			TEM (TEM FEI Titan)	No	113 €/hour, max. 900 €/day	150 €/hour, max. 1200 €/day
High resolution atomic force microscopy (AFM 5500 Agilent)			Yes	40 €/hour, max. 300 €/day	50 €/hour, max. 400 €/day	
Basic atomic force microscopy (Nano observer CSI Instruments)			Yes	25 €/hour, max. 200 €/day	35 €/hour, max. 280 €/day	
Transmission Electron Microscopy images simulation and analysis			No	Under Request	Under Request	
Magnetic and Electrical Char.		Quantum Design PPMS	No	50 €/hour, max. 360 €/day	75 €/hour, max. 450 €/day	
Chemical Char.		Raman microscopy (Confocal RAMAN microscope Alpha 300R WiTec)	Yes	40 €	60 €	
		Energy-dispersive X-ray (EDX) spectroscopy	No	30 €	45 €	
		Electron energy loss spectroscopy (EELS)	No	Under Request	Under Request	
Others		Surface profilometry (Veeco Dektak 150 Surface Profiler)	Yes	Included in Clean Room flat rate 10 €	Included in Clean Room flat rate 15 €	
		Spectroscopic ellipsometry (GES5 spectroscopic-ellipsometer SEMILAB)	No	20 €	30 €	
		Optical Microscopes	Yes	Included in Clean Room flat rate 10 €	Included in Clean Room flat rate 15 €	
Others		Circular Dichroism (CD)	Yes	16 €	23 €	
		Microcalorimeter	Yes	12 €	18 €	
Labor		Lab Technician		40 €	74 €	
		Specialist		55 €	100 €	

* Fees per hour if not specified. Taxes not included.

Once the applicant has present the service request, nanoGUNE will prepare an official proposal taking into account the specific conditions to each work (number of samples, long measurements...). Special equipment fees could be offered.

Service mode: All services exclusively carried out by nanoGUNE personnel.

Labor Cost + System/hour Cost will be charged. A specific quote defining the work should be requested. The corresponding invoice will be generated subject to that quote.

Self-Service mode: Authorized users will have right of access to the nanoGUNE installations once they have passed the corresponding training (H&S and system training). Only System/hour cost will be charged (training Cost will be charged apart).