

MRF - Nanofabrication Facility Cleanroom Equipment Rates (2022)

All rates are hourly and are applied in 1 min increments. Effective April 1st, 2022.

	Internal Rate		External Rates			
	UNT Sponsored Research		Nonprofit Institutions		Commercial Institutions	
	Instrument Only	Service	Instrument Only	Service	Instrument Only	Service
	per hour	per hour	per hour	per hour	per hour	per hour
Staff Assistance — Technical Assistance		\$ 52.00		\$ 77.22		\$ 150.00

Deposition and Etching

Dual Ebeam Evaporator — Nanomaster NEE-4000 Dual Ebeam Deposition System	\$ 21.00	\$ 73.00	\$ 31.18	\$ 108.40	\$ 160.00	\$ 310.00
Sputtering and Ebeam — Oerlikon Sputtering and Ion Assist Ebeam Deposition System	\$ 26.00	\$ 78.00	\$ 38.61	\$ 115.83	\$ 175.00	\$ 325.00
Thin Film Deposition — Trovato 300C Organic Thin Film Vacuum Deposition System	\$ 37.00	\$ 89.00	\$ 54.94	\$ 132.16	\$ 150.00	\$ 300.00
RIE - Dielectric — AGS Reactive Ion Etcher MPS-150	\$ 31.00	\$ 83.00	\$ 46.03	\$ 123.25	\$ 175.00	\$ 325.00
RIE - Metal — AGS Reactive Ion Etcher MPS-150	\$ 31.00	\$ 83.00	\$ 46.03	\$ 123.25	\$ 175.00	\$ 325.00
Parylene Labcoater — SCS PDS 2010 Parylene deposition system	\$ 16.00	\$ 68.00	\$ 23.76	\$ 100.98	\$ 110.00	\$ 260.00

Ebeam & Photo Lithography

Electron Beam Lithography — JEOL JSM-7001F SEM and XENOS XPG 2 EBL pattern writer	\$ 36.00	\$ 88.00	\$ 53.46	\$ 130.68	\$ 200.00	\$ 350.00
Laser Photo Lithography — Heidelberg DWL 66 Maskless Lithography Laser Writer	\$ 31.00	\$ 83.00	\$ 46.03	\$ 123.25	\$ 225.00	\$ 375.00

Sample Characterization & Preparation

Ellipsometer — J.A. Woolam M-2000V Ellipsometer	\$ 16.00	\$ 68.00	\$ 23.76	\$ 100.98	\$ 80.00	\$ 230.00
KLA profiler — KLA-Tencor D300 Profiler	\$ 16.00	\$ 68.00	\$ 23.76	\$ 100.98	\$ 110.00	\$ 260.00
Wire Bonder — West Bond 7476D wire bonder	\$ 16.00	\$ 68.00	\$ 23.76	\$ 100.98	\$ 90.00	\$ 240.00
Cleanroom Access (weekly rate, per week)	\$ 52.00		\$ 77.22		\$ 150.00	

Included in the weekly access fee

Chemical Processing Station
Spin coater
hot plate
UV O zone cleaner
Wet Benches
IPA, Acetone