

MRF - Multidimensional Characterization Lab 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

BULK ANALYSIS — Microscopy & Microanalysis

Local Electrode Atom Probe — Cameca LEAP 5000XS	\$ 37.00	\$ 89.00	\$ 54.94	\$ 132.16	\$ 250.00	\$ 400.00
Scanning Electron Microscope / Focused Ion Beam — FEI Nova 200 NanoLab FIB/HRSEM	\$ 37.00	\$ 89.00	\$ 54.94	\$ 132.16	\$ 280.00	\$ 430.00
Scanning Electron Microscope — FEI Nova NanoSEM 230 HRSEM	\$ 32.00	\$ 84.00	\$ 47.52	\$ 124.74	\$ 250.00	\$ 400.00
Scanning Electron Microscope — FEI Quanta 200 Environmental SEM	\$ 26.00	\$ 78.00	\$ 38.61	\$ 115.83	\$ 200.00	\$ 350.00
Transmission Electron Microscope — FEI Tecnai F20 G2 High Resolution Analytical TEM	\$ 37.00					
X-Ray Diffractometer — Rigaku Ultima III XRD	\$ 21.00	\$ 73.00	\$ 31.18	\$ 108.40	\$ 150.00	\$ 300.00

SURFACE ANALYSIS

Scanning Probe Microscope — Bruker Multimode Nanoscope III AFM	\$ 21.00	\$ 73.00	\$ 31.18	\$ 108.40	\$ 150.00	\$ 300.00
Variable-Angle Spectroscopic Ellipsometer — J.A. Woollam VASE	\$ 21.00	\$ 73.00	\$ 31.18	\$ 108.40	\$ 150.00	\$ 300.00
Scanning X-ray Photoelectron Spectroscopy — PHI VersaProbe 5000 XPS / UPS	\$ 21.00	\$ 73.00	\$ 31.18	\$ 108.40	\$ 220.00	\$ 370.00
Fourier Transform Infrared Spectrometer — Thermo Electron Nicolet 6700 FTIR	\$ 21.00	\$ 73.00	\$ 31.18	\$ 108.40	\$ 175.00	\$ 325.00

SAMPLE PREPARATION

Ion-beam Sputter Etching and Coating — Gatan 682 PECS for SEM/TEM samples	\$ -	\$ 52.00	\$ -	\$ 77.22	\$ 100.00	\$ 250.00
Ion-beam Sputter Polishing — Fischione 1010 Ion Mill for TEM samples	\$ -	\$ 52.00	\$ -	\$ 77.22	\$ 150.00	\$ 300.00
Optical Microscope — Nikon Eclipse ME600	\$ 5.00	\$ 57.00	\$ 7.42	\$ 84.64	\$ 90.00	\$ 240.00
Plasma Cleaning System — South Bay PC2000 Plasma Cleaner for APT/TEM samples	\$ -	\$ 52.00	\$ -	\$ 77.22	\$ 130.00	\$ 280.00