

	URnano Machines		Hourly	Rate	Rate with Help
Metrology - Wilmot Lab					
SWIPE WL	Wilmot Prep Rm 216 Entrance Fee Per Day				\$12.00
Tier 2					
SEM	Scanning Electron Microscope			\$160.00	\$310.00
	Zeiss-Auriga SEM/FIB				
TEM	Transmission Electron Microscope			\$160.00	\$310.00
Tier 3					
FIB	Focused Ion Beam used along with SEM			\$160.00	\$310.00
EBL	Electron Beam Lithography			\$160.00	\$310.00
	50 kV Elionix ELS-S50EX				
Tier 4					
AFM	Atomic Force Microscope			\$55.00	\$205.00
UIR	Nicolet Nic-Plan IR Microscope			\$55.00	\$205.00
	uIR microscope and Magna 470 IR spectrometer				
Tier 0					
DSP	Denton Sputtering Tool			\$30.00	\$180.00
LADD	Ladd Evaporator			\$30.00	\$180.00
CPD	Critical Point Dryer			\$30.00	\$180.00
SBT	SBT Plasma Cleaner/O2 asher			\$30.00	\$180.00
TRIPOD	SBT Tripod polisher, saw & polishing wheel			\$30.00	\$180.00
UMT	Ultramicrotome			\$30.00	\$180.00
Cleanroom Tools - Goergen Basement Lab					
SWIPE CLN	Cleanroom Entrance Fee Per Day				\$24.00
Tier 1 - Vacuum Deposition Tools					
AJA	AJA Sputtering Tool			\$112.50	\$262.50
ALD	Atomic Layer Deposition			\$112.50	\$262.50
	Cambridge NanoTech				
PVD	PVD 75a Lesker Hybrid Sputter-Evaporation Tool			\$112.50	\$262.50
	Overnight Pumping Surcharge (after 5pm)			\$225/event	
PVD	PVD 75b Lesker Straight Sputtering Tool			\$112.50	\$262.50
	Overnight Pumping Surcharge (after 5pm)			\$225/event	
RIE	Reactive Ion Etcher Blue Ar-O ₂ -CH ₄			\$112.50	\$262.50
	South Bay RIE-2000				
YES	CVD Plasma Oven			\$112.50	\$262.50
	Yield Engineering Plasma Oven				
DICER	Dicing Saw			\$112.50	\$262.50
	DISCO DAD3221				
XSP	Cross Section Polisher			\$112.50	\$262.50
	JEOL ion mill IB-19530CP				
Tier 4 - Cleanroom Tools					
MAOAI	Mask Aligner			\$55.00	\$205.00
	OAI Mask Aligner				
SSI	Rapid Thermal Processor			\$55.00	\$205.00
	Annealsys AS-One 150 RTP				

LZRWR	Mictotech Laser Writer		\$55.00	\$205.00
FILM	Filmetrics		\$55.00	\$205.00
LITHO	Lithography Bench with Spinners		\$55.00	\$205.00
AMBIOS	Ambios Surface Profiler		\$55.00	\$205.00
PROBE	4 Point Probe Station		\$55.00	\$205.00
WBONDER	Wire Bonder		\$55.00	\$205.00
Tier 0 - Cleanroom Free Tools				
	Megasonics Cleaner		\$30.00	\$180.00
SHOV	ShellLab low-temperature Ovens		\$30.00	\$180.00
RCA	RCA clean bench		\$30.00	\$180.00
	RCA general acid bench		\$30.00	\$180.00
SRD	Spin Rinse Dryer		\$30.00	\$180.00
XPS - Gavett Hall Lab				
Tier 5 - XPS				
XPS	XPS Day Rate 6am - 6pm		\$125.00	\$275.00
	XPS Night Rate (Required at least 6 hour time block)		\$100.00	\$250.00
	XPS Weekendt Rate (Required at least 20 hour time block)		\$75.00	\$225.00
Engineer Time/Training Time				
	Engineer Hourly Rate			\$150.00