

UNM MTTCC Cleanroom Rates FY22 Effective October 1, 2021			Hourly Fees			
		NM Research Rate (US)	NM Junior Faculty (MPR)	Univ Res Rate (non-NM)	Industry Rate (US)	Industry Rate (non-US)
Base Fab Rates		base	75%	150%	175%	200%
	Head-Count Rate (none)	-	-	-	-	-
	Cleanroom teaching in-state student (fee/day)	-	-	-	-	-
	Cleanroom teaching out-of-state student (fee/day)	\$150.00	\$150.00	\$150.00	-	-
	Cleanroom hours 0-40 (R&D ramp)	\$75	\$56	\$113	\$131	\$150
	Cleanroom hours 41-100 (mesa transition)	\$0	\$0	\$0	\$0	\$0
	Cleanroom hours 100+ (production ramp)	\$0	\$0	\$113	\$131	\$150
	Support Staff hours (tool setups, process runs)	\$75	\$56	\$113	\$131	\$150
Process Tools (6 inch line); cost in addition to fab base rates						
	CO2 Critical Dryer	\$30	\$23	\$45	\$53	\$60
	Dicer ADT 7910 Uno	\$50	\$38	\$75	\$88	\$100
	ADT WM-966 Wafer Taper	\$0	\$0	\$0	\$0	\$0
	DRIE (Adixen AMS-100-SE)	\$95	\$72	\$143	\$167	\$191
	Furnace: Atmospheric w/o specialty gases (Steed)	\$50	\$38	\$75	\$88	\$100
	Furnace: Atmospheric w/ specialty gases (Steed)	\$60	\$45	\$90	\$105	\$120
	Furnace: Anneal (Thermo Scientific, Lindberg, 4-inch)	\$40	\$30	\$60	\$70	\$80
	Plasma Etcher (March RIE CS-1701F6)	\$0	\$0	\$0	\$0	\$0
	Parylene Coater	\$35	\$26	\$53	\$61	\$70
	Sputtering Tool (AJA five-source DC/RF)	\$70	\$53	\$105	\$123	\$140
	Vacuum Evaporator (Veeco, 3 wafers)	\$22	\$17	\$33	\$39	\$45
	Vacuum Evaporator (Varian, 18 wafers)	\$45	\$33	\$67	\$78	\$89
	Vapor-HF Etcher (Idonus, single wafer, 6-inch)	\$35	\$26	\$53	\$61	\$70
Metrology Tools - Cost in addition to fab base rates						
	Desktop SEM (Phenom ProX/EDS/surface roughness)	\$0	\$0	\$0	\$0	\$0
	Surface Profilometer (Veeco Dektak-8)	\$0	\$0	\$0	\$0	\$0
	Surface Interferometer (Veeco)	\$0	\$0	\$0	\$0	\$0
	Nanometrics - CTS-102 (thin film measurement)	\$0	\$0	\$0	\$0	\$0
	LCR-CV meter (Keithley 4200-SCS)	\$0	\$0	\$0	\$0	\$0
	Probe station w/ z-axis interferometer	\$0	\$0	\$0	\$0	\$0
	Micro scale	\$0	\$0	\$0	\$0	\$0
	4pt Probe	\$0	\$0	\$0	\$0	\$0
Unit Consumable Fees						
	AJA Sputter targets (Al, Cu, Cr, Ni) per gram	\$0	\$0	\$0	\$0	\$0
	AJA Sputter targets (Au) per gram	\$220	\$220	\$220	\$220	\$220
	AJA Sputter targets (Pt) per gram	\$110	\$110	\$110	\$110	\$110
	AJA Sputter targets (Ag) per gram	\$70	\$70	\$70	\$70	\$70
	Gold Pellet Charge per gram (Evaporator)	\$100	\$100	\$100	\$100	\$100
	4" Wafer charge (please provide your own wafers)	\$0	\$0	\$0	\$0	\$0
	6" Wafer charge (please provide your own wafers)	\$0	\$0	\$0	\$0	\$0
	Non-STD Dicer blades (ZH Silicon blades provided)	\$45	\$45	\$45	\$45	\$45
	Dicer Frames each	\$35	\$35	\$35	\$35	\$35
<p>* AJA sputter targets (Al, Cu, Cr, Ni) are included in Base Fab Rate (unless used in excessive amounts), additional targets available SiN, AlN, Si, Ta, SiO2, W, Ti, TiW, Sn, NiCr, Cr, TaO, SiC, Fe, PZT</p> <p>* Training is charged at one-hour of base rate plus tool rate, no charge for additional training time</p> <p>Base Fab rate includes wet sinks, SRD, QDR, BOE & KOH bath, HMDS, spin coaters, bake stations, solvent bench, DI water, PCW, CDA, AWN, HF, PR, PR strip, scrubbed exhaust, Karl-Suss backside aligner, Iodonus shadow mask aligner</p> <p>Extra charges for CO2 critical dryer, DRIE, plasma etcher, furnaces, sputter tool, vapor-HF, vacuum evaporator, parylene coater.</p>						