

MNC Academic Rates--Access and Equipment Use

valid 09/01/21 to 08/31/22

RATES SUBJECT TO CHANGE

ACCESS/USE	LOCATIONS	UNITS	RATE	MONTHLY MAX
ACCESS FEE	PAN cleanroom, Keller cleanroom, Keller Areas 1-3	monthly fee	\$36.97	\$36.97
LAB USAGE FEE	PAN cleanroom, Keller cleanroom, Keller Areas 1-3	per lab session	\$32.73	\$261.84
PAN NANO-BIO LAB	PAN 181	per hour	\$36.60	
PAN NANO-MATERIALS LAB	PAN 185	per hour	\$35.40	

CATEGORIES	INCLUDED EQUIPMENT	UNITS	RATE	
2D MATERIALS GROWTH	Graphene furnace, TMD furnace	minute	\$0.40	
ALD-ATOMIC LAYER DEP	ALD Savannah 200, Fiji PEALD	minute	\$0.42	
ALIGNERS	MA6, MABA6, MA6-P	minute	\$0.92	
ANALYTICAL EQUIPMENT	AFM, P16, P7, HS SCOPE	minute	\$0.53	
CRITICAL POINT DRYER	Tousimis system	minute	\$0.94	
DRY ETCHING	Ion Mill, Oxford RIE, STS etcher, AV, Deep Trench etcher, XeF2 etcher	minute	\$0.94	
E-BEAM EVAPORATION	CHA, Temescal and Varian	minute	\$0.53	
E-BEAM LITHOGRAPHY	Vistec EBPG 5000+	minute	\$2.41	
LASERWRITER	Heidelberg DWL 200	minute	\$0.44	
MASKMAKING	Min feature size > 1.5um	per mask	\$217	
MASKMAKING	1.0um < Min feature size < 1.5um	per mask	\$479	
MINIBRUTE FURNACE	Minibrute furnace	minute	\$1.15	
NANOIMPRINTER	Nanonex	minute	\$0.92	
ORIEL	Oriel	minute	\$0.40	
OXIDATION/DIFFUSION	Tylan Oxidation system	minute	\$0.90	
PARYLENE DEPOSITION	SCS COATER	per run	\$40.40	
PECVD	PECVD, HD PCVD	minute	\$0.43	
RAPID THERMAL ANNEALING	Modular Process RTA	minute	\$1.38	
SEM	JEOL 6610 SEM, JEOL 6700 SEM	minute	\$0.60	
SPINNERS	CEE equipment, Headway spinner	minute	\$0.46	
SPUTTERING	AJA I, AJA II and PE2400 DC system	minute	\$0.81	
STEPPER	Canon Stepper	minute	\$0.92	
THERMAL EVAPORATION	Thermal Evaporator	minute	\$0.53	
WAFER BONDING	Karl Suss SB6	minute	\$0.92	
WAFER SAW	DISCO 552	minute	\$0.45	

MISC CHARGE RATES		UNITS	RATE
EQUIPMENT RESERVATIONS		per reservation	\$42.83
CANCELLED RESERVATIONS		per reservation	\$42.83
EQUIPMENT TRAININGS		per training	\$43.25
E-BEAM LITHO TRAINING		per session	\$485.00
HEIDELBERG LASERWRITER		per session	\$200.00
STAFF LABOR		per hour	Varies
CLEAN SPACE FACILITY CHARGE		ft/month	\$13.26
NON-CLEAN SPACE FACILITY CHARGE		sq ft/month	\$0.59