

MNC Industrial Rates--Access and Equipment Use

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

RATES SUBJECT TO CHANGE

ACCESS/USE	LOCATIONS	UNITS	RATE	MONTHLYMAX
ACCESS FEE	PAN cleanroom, Keller cleanroom, Keller Areas 1-3	monthly fee	\$135.14	\$135.14
LAB USAGE FEE	PAN cleanroom, Keller cleanroom, Keller Areas 1-3	per lab session	\$88.89	\$711.12
PAN NANO-BIO LAB	PAN 181	per hour	\$117	
PAN NANOMATERIALS LAB	PAN 185	per hour	\$117	

CATEGORIES	INCLUDED EQUIPMENT	UNITS	RATE
2D MATERIALS GROWTH	Graphene furnace, TMD furnace	minute	\$1.63
ALD-ATOMIC LAYER DEP	ALD Savannah 200, Fiji PEALD	minute	\$1.63
ALIGNERS	MA6, MABA6, MA6-P	minute	\$3.09
ANALYTICAL EQUIPMENT	AFM, P16, P7, HS SCOPE	minute	\$2.71
CRITICAL POINT DRYER	Tousimis system	minute	\$2.96
DRY ETCHING	Ion Mill, Oxford RIE, STS etcher, AV, Deep Trench etcher, XeF2 etcher	minute	\$2.96
E-BEAM EVAPORATION	CHA, Temescal and Varian	minute	\$2.44
E-BEAM LITHOGRAPHY	Vistec EBPG 5000+	minute	\$4.63
LASERWRITER	Heidelberg DWL 200	minute	\$2.17
MASKMAKING	Min feature size > 1.5um	per mask	\$587
MASKMAKING	1.0um < Min feature size < 1.5um	per mask	\$1960
MINIBRUTE FURNACE	Minibrute furnace	minute	\$3.58
NANOIMPRINTER	Nanonex	minute	\$3.09
ORIEL	Oriel	minute	\$3.09
OXIDATION/DIFFUSION	Tylan Oxidation system	minute	\$3.58
PARYLENE DEPOSITION	SCS COATER	per run	\$80.80
PECVD	PECVD, HD PCVD	minute	\$2.44
RAPID THERMAL ANNEALING	Modular Process RTA	minute	\$3.58
SEM	JEOL 6610 SEM, JEOL 6700 SEM	minute	\$2.44
SPINNERS	CEE equipment, Headway spinner	minute	\$1.51
SPUTTERING	AJA I, AJA II and PE2400 DC system	minute	\$3.30
STEPPER	Canon Stepper	minute	\$3.09
THERMAL EVAPORATION	Thermal Evaporator	minute	\$2.44
WAFER BONDING	Karl Suss SB6	minute	\$2.03
WAFER SAW	DISCO 552 Saw	minute	\$2.03
MISC CHARGE RATES		UNITS	RATE
EQUIPMENT RESERVATIONS & TRAININGS		per res/training	\$106.14
CANCELLED RESERVATIONS		per reservation	\$42.83
E-BEAM LITHO TRAINING		per session	\$625
HEIDELBERG LASERWRITER		per session	\$200
STAFF LABOR		per hour	\$140.00
CLEAN SPACE FACILITY CHARGE		ft/month	\$72.10
NON-CLEAN SPACE FACILITY CHARGE		sq ft/month	\$1.55