

Equipment name	Model	Inventory ID	Academic	Small business	Large business
			Yen / hour	Yen / hour	Yen / hour
Milling machine	VARIAXIS j-600/5X	ENG-M001	11,200	14,900	22,300
Milling Machine	Hurco VM5i	ENG-M002	3,500	4,600	6,900
Milling Machine	Shizuoka VHR-A Milling Machine	ENG-M003	3,000	3,900	5,900
Lathe	Hurco TMX10MYi	ENG-M004	6,000	8,000	12,000
Wire EDM	Sodick ALG 400	ENG-M005	5,600	7,500	11,200
Die sinker EDM	Chmer Die Sinker EDM CM353C	ENG-M006	2,500	3,300	4,900
Lathe	Takisawa TSL 550 Lathe	ENG-M007	2,100	2,800	4,200
Lathe	Riken RBL-50 Collet lathe	ENG-M008	1,600	2,200	3,200
Milling Machine	Mechanix Milling Machine	ENG-M009	1,500	2,000	2,900
Bandsaw	Cut-600 Bandsaw	ENG-M010	1,400	1,900	2,800
Drilling machine	ESD-460DX Drill Press	ENG-M011	1,300	1,800	2,600
Laser	ULS 6.75 laser Cutter Engraver	ENG-M012	2,100	2,800	4,200
Bandsaw	LUXO VS-22 Diamond bandsaw	ENG-M013	1,400	1,800	2,700
Lathe	Wasino LEO-80 Lathe	ENG-M014	2,900	3,800	5,700
Bandsaw	Amada Horizontal Bandsaw	ENG-M015	2,100	2,800	4,200
Grinder/Sander	Belt Sander	ENG-M016	1,300	1,800	2,600
Shearing machine	Morimitsu Shear	ENG-M017	2,200	3,000	4,400
Pressing machine	JAM Hydraulic press	ENG-M018	1,600	2,100	3,200
Bandsaw	Luxo LE-400 Band saw	ENG-M019	1,600	2,100	3,200
Shearing/Bending machine	Nittoh sheet metal shear/brake	ENG-M020	1,400	1,800	2,700
Bending machine	Tennsmith HBU48-16	ENG-M021	1,500	1,900	2,900
Surface grinder	Okamoto PFG450DXC surface grinder	ENG-M022	2,500	3,300	5,000
Drilling machine	ESD350-SL Drill press	ENG-M023	1,300	1,700	2,600
Drilling machine	ESD-460DX Drill press	ENG-M024	1,300	1,800	2,600
Abrasive blasting machine	Skat Blast Bead Blaster	ENG-M025	1,300	1,800	2,600
Welding machine	Daihen DA300P TIG Welder	ENG-M026	1,500	1,900	2,900
3D printer	Ultimaker S5 3D printer	ENG-M027	1,600	2,100	3,100
Coordinate measuring machine	Zeiss O-Inspect 322 CMM	ENG-M028	4,300	5,700	8,500
Optical measuring machine	Mitutoyo PH-3515	ENG-M029	1,800	2,300	3,500
Vacuum oven	Eyela Vacuum Drying oven	ENG-M030	1,700	2,300	3,400
3D printer	Form3+ 3D printer	ENG-M031	1,400	1,900	2,800
Welding machine	Weldtool MIG-200s	ENG-M032	1,300	1,700	2,600
Welding torch	KS Panda Oxy-actylene torch	ENG-M033	1,300	1,700	2,600
Drilling machine	Micro drill press Leutor BDM-630	ENG-M034	1,300	1,700	2,600
3D Printer	Ultimaker 3D Printer (Lab1)	ENG-M035	1,500	2,000	2,900
3D Printer	Ultimaker 3D Printer (Lab2)	ENG-M036	1,500	2,000	3,000
3D printer	Ultimaker 3D Printer (Lab4)	ENG-M037	1,500	2,000	3,000
3D Printer	Ultimaker 3D Printer (ESB)	ENG-M038	1,600	2,100	3,100
3D Printer	Form2	ENG-M039	1,400	1,900	2,800
3D printer	Form2	ENG-M040	1,400	1,900	2,800
Pedestal grinder	Hitachi L-GR26	ENG-M041	1,400	1,800	2,700
Pedestal Grinder	Hitachi D-GR31	ENG-M042	1,400	1,900	2,800
PCB making machine	LPKF Protomat	ENG-E001	8,400	11,200	16,800
Cryogenic Vector Magnet System	Cryogenic Vector Magnet System	ENG-E002	8,100	10,700	16,100
Wire bonder, ball	Ball Bonder TPT HB16	ENG-E003	2,500	3,300	4,900
Wire bonder, wedge	Kulicke and Soffa 4523D	ENG-E004	2,100	2,800	4,200
UV-Vis Spectrophotometer	Perkin Elmer lambda 365	ENG-N001	2,600	3,400	5,100
XRD	Rigaku	ENG-N002	11,500	15,300	22,900
Fourier-transform infrared spectroscope (FTIR)	Bruker Vertex 80v	ENG-N003	11,700	15,600	23,400
Multipurpose X-ray Diffractometer (XRD)	Bruker D8 Discover	ENG-N004	14,000	18,700	28,000
E-beam evaporator	Plassys Bestek MEB 550S2-HV	ENG-N005	15,000	19,900	29,900
3D laser lithography	Nanoscribe Photonic Professional GT	ENG-N006	17,900	23,800	35,700
Scanning Electron Microscope (SEM) + Energy Dispersive X-ray Spectroscopy (EDX)	FEI Quanta 250	ENG-N007	16,200	21,600	32,400
Atomic Force Microscope (AFM)	Bruker Dimension ICON3	ENG-N008	10,200	13,600	20,400
Laser confocal microscope	Keyence VK-X210	ENG-N009	4,800	6,400	9,500
Mechanical Profiler	Bruker Dektak XT	ENG-N010	3,100	4,100	6,100
Spectrophotometer	CRAIG 20/30 PV	ENG-N011	14,700	19,500	29,300
Raman Spectrometer	Tokyo Instruments Nanofinder 30	ENG-N013	9,000	11,900	17,900
Physical Property Measurements system (PPMS)	Quantum Design PPMS Dynacool	ENG-N014	16,800	22,400	33,600
Magnetic Properties Measurement System (MPMS)	Quantum Design MPMS 3 Evercool	ENG-N015	19,500	26,000	39,000
Single Crystal X-ray Diffractometer	Bruker D8 Venture	ENG-N016	16,300	21,700	32,500
Thin Film X-ray Diffractometer	Bruker D8 Discover	ENG-N017	13,500	18,000	26,900
X-ray Fluorescence Spectrometer	Horiba XGT-7000	ENG-N018	5,100	6,800	10,100
X-ray Photoelectron Spectrometer (XPS)	Kratos Axis Ultra HAS	ENG-N019	69,000	92,000	138,000
X-ray Photoelectron Spectroscopy (XPS)	ULVAC-PHI Quantes	ENG-N020	45,000	59,900	89,900
Focused Ion Beam - Scanning Electron Microscope (FIB-SEM)	FEI Helios G3 UC	ENG-N021	58,500	78,000	117,000
Selective Laser Etcher (SLE)	LightFab 3D Printer	ENG-N022	14,600	19,400	29,100

Inductively Coupled Plasma (ICP-CVD)	Oxford Instruments Plasmalab 100	ENG-N023	14,300	19,000	28,500
Atomic Layer Deposition (ALD)	Cambridge Nanotech. Savannah S200	ENG-N024	5,800	7,700	11,500
E-beam evaporator 2	Kawasaki Science KE604TT1-TKF1	ENG-N025	4,400	5,900	8,800
Sputtering deposition	ULVAC CAM-S	ENG-N026	5,000	6,600	9,900
Parylene Coater	SCS Coatings Labcoater 2	ENG-N027	2,900	3,800	5,700
Plasma Treatment system	Nordson-March AP300	ENG-N028	3,500	4,600	6,900
E-beam Lithography	Elionix ELS-7500EX	ENG-N029	23,600	31,400	47,100
Maskless lithography	Nanosystem Solution DL-1000	ENG-N030	14,300	19,000	28,500
Mask Aligner / Bond Aligner	Suss Microtec MA/BA6	ENG-N031	12,100	16,100	24,200
Dicer	Disco DAD322	ENG-N032	2,800	3,700	5,600
Time-resolved Photoluminescence	Hamamatsu C11200 (Streakscope C10627-03)	ENG-N033	3,100	4,100	6,100
Glovebox	Unico UN-100L	ENG-N034	2,900	3,800	5,700
Oxygen Plasma Cleaner	Plasma Prep III	ENG-N035	1,700	2,300	3,400
Polisher/ Grinder	South Bay Technology Model 900	ENG-N036	1,400	1,800	2,700
Scriber	Musashino-Denshi SC-100	ENG-N037	1,500	2,000	2,900
Nanoindenter	Bruker TS77 select	ENG-N039	6,100	8,100	12,100
Raman Spectrometer	Witec/Oxford	ENG-N040	17,500	23,300	34,900
UV Ozone Cleaner	Jetlight 42-100	ENG-N038	1,400	1,800	2,700