

KCASI Cleanroom Rates - Effective for FY26 (July1, 2025 - June 30, 2026)

Item Description	Details	Internal (OUS) rate	External academic, non-profit, govt.	Internship**	Industry rate	Daily / Hourly
Hourly rate	Hourly rate covers entry to clean room, gowning, and access to basic process tools including benches, spinners, microscope and filmetrics.	35	50	72.5	110	Hourly. Min charge \$10.
Engineering time	Training, maintenance, and service fee for Engineer assistance	90	112.5	112.5	112.5	Hourly
User training and set-up	Issue gown, gowning and safety training, Nemo registration, notebook	125	150	150	200	per user
Cap and Notch Values	Monthly fee cap value and notch value. Usage above notch is 30% of regular fees	\$2100/mo; \$4000 notch; 30% after notch	\$2100/mo; \$4000 notch; 30% after notch	\$4500/mo; \$7500 notch; 30% after notch	\$7000/mo; \$11000 notch; 30% after notch	NA
NOTE: Tool Rates: All hourly use items will have a \$5 min fee, or 15 minute minimum usage fee- which ever is greater.						
Keyence VHX 7000	High res with plenty of advanced features. Not located in cleanroom - does not require hourly lab access fee to use	30	45	60	90	hourly
Filmetrics F40	Standard thin film measurement	included	included	included	included	hourly
Flexus FLX 2320	Thin Film stress measurement	5	5	10	15	hourly
Olympus Inspection Microscope	Inspection microscope	included	included	included	included	included
KLA Profilometer	Stylus profilometer	20	20	30	40	Hourly
PlasmaTherm DSE-III	Deep Si etch system (flourine based)	30	30	57.5	85	Hourly
PlasmaTherm PECVD	Primary plasma deposition system (**Specialty gases may require additional consumable fees.**)	40	40	62.5	85	Hourly
PlasmaTherm Corial RIE	Primary plasma etch system (flourine based)	30	30	57.5	85	Hourly
AJA E-beam Evaporator	Metal evaporator. Basic metals will be provided. **Precious metals to be purchased from the Cleanroom.**	30	30	57.5	85	Hourly
AJA Sputterer	Basic targets will be provided. **Users required to purchase AJA custom targets from Cleanroom.**	30	30	57.5	85	Hourly
ADT Dicing Saw	Primary wafer dicing saw	30	30	47.5	65	Hourly
Heidelberg Direct Laser Writer	MLA 150 - Foundation for photolithography	40	40	62.5	85	Hourly
YES HMDS priming oven	For substrate priming	10	10	20	30	Hourly
Anatech Asher	For substrate surface conditioning/PR stripping	15	15	30	45	Hourly
SUSS MA6/BA6 aligner	Primary UV aligner/exposure tool	30	30	52.5	75	Hourly
Photoresist bench (includes spinners)	For PR dispensing and spinning	included	included	included	included	included
Solvent bench	For Solvent processing	included	included	included	included	included
Acid bench	For Acid processing	included	included	included	included	included
Developer bench	For Acid processing	included	included	included	included	included

* All visitors, tours, workshop, and instructional guest users require approval to enter from the Cleanroom Engineer.

KC effective rate-
for comparison

KC (Proposed rates)

Lab access

daily rate

N/A

hourly rate

35/hr

2100 cap, 4100

caps

notch; 30% after

EQUIPMENT only (not inc. access)

Profilometer	20/hr	55/hr
Keyence / High res microscope	35/hr	35/hr
Regular microscope	included	35/hr
Optical Thin Film thickness me	included	35/hr
Thin Film Stress Measurement	5/hr	40/hr
PECVD	40/hr	75/hr
DRIE	30/hr	65/hr
E-beam Evap	30/hr	65/hr
Sputterer	30/hr	65/hr
Thermal Evap	30/hr	65/hr

Direct laser writer	40/hr	75/hr
Acid Bench	included	35/hr
Litho bench	included	35/hr
O2 Asher	15/hr	50/hr
Developer Bench	included	35/hr
HF bench	included	35/hr

Effective rate
averages across
institutes

UTAH

ATAMI-OSU

Mich

Caltech

NA

NA

\$29

NA

Equip only

Equip only

Equip only

40/hr

\$3,000

\$750

none

\$1600;
50% after

42.19

17/hr

41/hr

18/hr

included

49.92

25/hr

35/hr

N/A

included

35.06

25/hr

26/hr

12/hr

included

39.81

11/hr

41/hr

5/hr

included

79.58

11/hr

N/A

11/hr

included

73.79

90/hr

N/A

41/hr (GS)

67/hr

69.21

85/hr

N/A

47/hr

50/hr

69.94

75/hr

n/A

44/hr

24/hr

69.94

80/hr

57/hr

44/hr

37/hr

49.90

NA

N/A

30/hr

N/A

64.57	75/hr	N/A	32/hr * uPG 501	47.50/hr *DWL 66
32.67	17/hr		16/hr	included
42.44	100/hr	22/hr	12/hr	included
42.81	45/hr	22/hr	16/hr	included
31.84	17/hr	22/hr	10/hr	included
32.79	NA	22/hr	12/hr	included

Caltech effective
rate for comparison

Stanford

Stanford
effective rate
for comparison

Berkeley

NA

50/hr

\$3500;
25% after

NA

55.20/hr

1600 access cap; 3800
Equipment cap; 10%
after equip cap

40/hr	no cost	50/hr	22/hr
40/hr	35/hr	85/hr	22/hr
40/hr	included	50/hr	22/hr
40/hr	included	50/hr	22/hr
40/hr	N/A	50/hr	22/hr
107/hr	50/hr	100/hr	45/hr
90/hr	50/hr	100/hr	45/hr
64/hr	35/hr	85/hr	45/hr
77/hr	35/hr	85/hr	45/hr
40/hr	35/hr	85/hr	No cost

87.5/hr	35/hr MLA 150	85/hr	45/hr MLA 150
40/hr	included	50/hr	included
40/hr	10/hr	60/hr	included
40/hr	20/hr	70/hr	included
40/hr	10/hr	60/hr	included
40/hr	included	50/hr	included

Berkeley effective rate for
comparison

UCSB

UW

MIN

Max

NA

\$27

39.50/hr

Equip only

2200 cap; 4600

none

notch; 33% after

77.2/hr	39.50 / hr	55/hr	included	\$	55.00
77.2/hr	39.50 / hr	N/A	included	\$	37.50
77.2/hr	39.50 / hr	11/hr	included	\$	37.50
77.2/hr	39.50 / hr	55/hr	included	\$	37.50
77.2/hr	39.50 / hr	N/A	included	\$	37.50
100.2/hr	39.50 / hr	55/hr	\$	37.50	\$ 90.00
100.2/hr	39.50 / hr	77/hr	\$	37.50	\$ 98.00
100.2/hr	39.50 / hr	77/hr	\$	24.00	\$ 77.00
100.2/hr	39.50 / hr	77/hr	\$	35.00	\$ 98.00
55.2/hr	39.50 / hr	no cost	\$	30.00	\$ 37.50

100.2/hr	39.50 / hr	33/hr * Heidelberg LDR	\$ 32.00	\$ 75.00
55.2/hr	39.50 / hr	11/hr	\$ 11.00	\$ 37.50
55.2/hr	39.50 / hr	11/hr	\$ 10.00	\$ 100.00
55.2/hr	39.50 / hr	55/hr	\$ 16.00	\$ 55.00
55.2/hr	39.50 / hr	11/hr	\$ 10.00	\$ 37.50
55.2/hr	39.50 / hr	11/hr	\$ 11.00	\$ 37.50