

**Birck Nanotechnology Center Recharge Rates, effective June 1, 2023 (Pending approval by the Purdue Income Producing Committee).**

Rates highlighted yellow indicate new rates, or a >25% increase for that price type.

BE = Break-even; INT = Internal (Subsidized); ENP = External Academic, Non-Profit, Governmental, and Indiana Small Business; EFP = External For-Profit

Service Name	Current Rate				Proposed Rate			
	BE	INT	ENP	EFP	BE	INT	ENP	EFP
Daily Entry Fee, Birck Laboratory Access	\$19.95	\$10.00	\$32.00	\$36.00	\$28.01	\$14.00	\$44.00	\$51.00
Daily Entry Surcharge, General Labs	\$1.84	\$2.00	\$3.00	\$4.00	\$2.25	\$2.00	\$4.00	\$5.00
Daily Entry Surcharge, Biological Labs - BSL1 and BSL2	\$8.25	\$6.00	\$13.00	\$15.00	\$12.69	\$9.00	\$20.00	\$23.00
Daily Entry Surcharge, Cleanroom - BRK 2100A	\$32.42	\$27.00	\$51.00	\$58.00	\$33.30	\$28.00	\$53.00	\$61.00
Monthly Usage Fee, Cleanroom Storage	N/A	N/A	N/A	N/A	\$3.70	\$2.00	\$6.00	\$7.00
Monthly Usage Fee, Additional Cleanroom Bin	N/A	N/A	N/A	N/A	\$48.49	\$40.00	\$77.00	\$88.00
C - Deposition, ALD	\$9.80	\$9.00	\$16.00	\$18.00	\$23.16	\$19.00	\$37.00	\$42.00
C - Deposition, CVD	\$54.74	\$44.00	\$86.00	\$97.00	\$56.24	\$45.00	\$89.00	\$102.00
C - Deposition, PVD and Electroplating, Per Use	\$124.75	\$101.00	\$196.00	\$221.00	\$145.32	\$117.00	\$229.00	\$263.00
C - Deposition, Flex Compatible PVD, Per Use	\$182.14	\$150.00	\$286.00	\$323.00	\$195.58	\$161.00	\$308.00	\$354.00
C - Etching, General	\$23.35	\$19.00	\$37.00	\$41.00	\$25.38	\$20.00	\$40.00	\$46.00
C - Etching, ICP	\$70.33	\$57.00	\$110.00	\$125.00	\$73.28	\$60.00	\$116.00	\$133.00
C - Furnace, Oxidation/Annealing	\$24.64	\$21.00	\$40.00	\$45.00	\$26.90	\$23.00	\$43.00	\$49.00
C - Lithography, Aligners	\$66.34	\$44.00	\$104.00	\$118.00	\$73.10	\$46.00	\$115.00	\$132.00
C - Lithography, E-Beam, 100 kV	\$98.44	\$89.00	\$155.00	\$175.00	\$150.96	\$92.00	\$238.00	\$273.00
C - Lithography, Spinners	\$25.73	\$20.00	\$41.00	\$47.00	\$27.45	\$21.00	\$44.00	\$50.00
C - Metrology, General	\$31.39	\$25.00	\$50.00	\$56.00	\$32.30	\$26.00	\$51.00	\$59.00
Characterization, LDV	\$25.80	\$26.00	\$41.00	\$46.00	\$25.67	\$26.00	\$41.00	\$47.00
Characterization, Probe Station	\$29.62	\$25.00	\$47.00	\$53.00	\$32.48	\$27.00	\$51.00	\$59.00
Characterization, Spin Lab	\$15.81	\$10.00	\$25.00	\$28.00	\$28.93	\$12.00	\$46.00	\$53.00
Deposition, PLD, Per Use	\$399.70	\$400.00	\$622.00	\$709.00	\$399.96	\$400.00	\$628.00	\$723.00
Lithography, E-Beam, 30 kV	\$43.29	\$36.00	\$69.00	\$77.00	\$78.57	\$64.00	\$124.00	\$142.00
Metrology, Center for AFM	\$43.33	\$44.00	\$69.00	\$77.00	\$56.14	\$48.00	\$89.00	\$102.00
Metrology, Femtosecond and Raman	\$29.41	\$30.00	\$47.00	\$53.00	\$30.57	\$31.00	\$49.00	\$56.00
Metrology, Optics and Spectroscopy Lab	\$31.76	\$32.00	\$50.00	\$56.00	\$33.69	\$32.00	\$53.00	\$61.00
Metrology, Helium Ion Microscope	N/A	N/A	N/A	N/A	\$120.90	\$121.00	\$190.00	\$219.00
Metrology, Kratos XPS	\$41.19	\$40.00	\$65.00	\$73.00	\$41.47	\$40.00	\$66.00	\$75.00
Metrology, Omicron Surface Analysis	\$23.14	\$18.00	\$37.00	\$42.00	\$23.13	\$19.00	\$37.00	\$42.00
Metrology, Panalytical XRD	\$29.48	\$29.00	\$47.00	\$53.00	\$31.73	\$29.00	\$50.00	\$58.00
Metrology, PQSEI	N/A	N/A	N/A	N/A	\$15.21	\$16.00	\$24.00	\$28.00
Packaging and Assembly, Basic	\$24.70	\$18.00	\$39.00	\$44.00	\$23.10	\$19.00	\$37.00	\$42.00
Packaging and Assembly, Advanced	\$45.53	\$37.00	\$72.00	\$81.00	\$54.07	\$44.00	\$85.00	\$98.00
Roll-to-Roll, Prototyping	\$125.85	\$112.00	\$198.00	\$223.00	\$94.81	\$95.00	\$149.00	\$172.00
Roll-to-Roll, Process Demonstration	\$174.19	\$175.00	\$273.00	\$309.00	\$222.53	\$191.00	\$350.00	\$402.00
Storeroom, BRK 2251, Per Dollar	\$1.21	\$1.00	\$1.90	\$1.90	\$1.22	\$1.00	\$1.92	\$2.21
Staff Time, Engineering	\$79.58	\$66.00	\$126.00	\$142.00	\$91.53	\$76.00	\$144.00	\$166.00
Staff Time, Scientific, Center for AFM	\$24.43	\$25.00	\$39.00	\$44.00	\$63.85	\$64.00	\$101.00	\$116.00
Staff Time, Scientific, Optics	\$80.32	\$81.00	\$126.00	\$142.00	\$89.01	\$90.00	\$140.00	\$161.00
Staff Time, Scientific, Roll to Roll	\$85.13	\$86.00	\$134.00	\$151.00	\$101.79	\$102.00	\$160.00	\$184.00
Staff Time, Scientific, Spin Lab	\$95.78	\$96.00	\$150.00	\$170.00	\$105.55	\$106.00	\$166.00	\$191.00
Staff Time, Scientific, Surface Analysis	\$93.08	\$94.00	\$147.00	\$166.00	\$102.97	\$103.00	\$162.00	\$186.00

\*External users are charged the external F&A rate of 57%, which forms part of the ENP and EFP rates

\*\*The F&A rate is subject to change based upon future F&A rate negotiations with the federal government.

Rates are hourly unless specified otherwise in the service name.

"C" indicates services eligible for Scifres Equipment Cap for internal users.

Precious metals are charged at cost minus subsidy for internal customers, and cost plus F&A and applicable markup for external customers.