

## CCMR Shared Facility Rates - External Academic/non-Profit Use

(FY27 rates - Effective July 1, 2026)

Some rates consist of a fixed charge plus an hourly rate or a minimum charge.

*For academic users, use exceeding \$20k in the calendar year will be charged at 60% of the normal instrument use fee.*

### Ext. Acad. Rate

Manager Labor Rate (charged in addition to instrument rates below for assisted use) \$199.00 /hr

## Electron Microscopy

Arctica-S/TEM (pre-committed daily rate overrides hourly rate) \$135.14 /hr

Krios-S/TEM Please contact us for details

### Transmission Electron Microscopes

Andromeda, Kraken \$156.55 /hr

Titan \$145.95 /hr

Perseus, F200ci \$145.95 /hr

### Scanning Electron Microscopes & Focused Ion Beams

Zeiss Gemini/Sigma, Tescan Mira \$156.55 /hr

Keck SEM \$145.95 /hr

Thermo-Helios-G4-UX-FIB \$191.55 /hr

Tescan-Xeus-Plasma-FIB \$191.55 /hr

*Xeus night rate* \$141.00 /hr

### TEM Sample Preparation:

Allied Multiprep Polishers \$55.60 /hr

Allied TechCut5 Precision High Speed Saw \$94.75 /use

Leica Cryo- & Ultra- Microtomes \$94.97 /hr

Vibratory Polisher \$94.75 /use

Denton Desk V Coater (SEM prep) \$44.30 /use

## Microscopy, Spectroscopy, Surface Analysis

Thermo Nexsa G2 XPS Surface Analysis System \$147.25 /hr

*Nexsa night rate* \$129.00 /hr

Keyence VK-X3000 3D Optical Surface Profilometer \$72.98 /hr

Asylum-MFP3D-Bio-AFM-SPM \$81.35 /hr

WITec-Alpha300R-Confocal-Raman-Microscope \$82.09 /hr

*WiTec night rate* \$54.00 /hr

Renishaw InVia Confocal Raman Microscope \$82.09 /hr

3i-Marianias-Spinning-Disk-Confocal-Microscope \$43.25 /hr

Bruker Hyperion FT-IR Spectrometer & Microscope		\$83.65 /hr
Bruker Vertex Vacuum FT-IR		\$83.65 /hr
Cary 5000 UV Vis NIR Spectrometer		\$68.35 /hr ‡
Edinburgh FLS1000 Fluorescence and Lifetime Spectrometer		\$68.35 /hr ‡
JASCO 1500 CD Spectrometer		\$68.39 /hr ‡

### Soft Matter/Polymer Analysis

TA Instruments DHR3 Rotational Rheometer	\$26 +	\$33.48 /hr
Thermo Fisher Capillary Breakup Extensional Rheometer (CaBER)		\$69.50 /hr
Bruker Autoflex Max MALDI		\$229.60 /hr
Waters Ambient-Temperature GPC		\$60.20 /hr
Waters Ambient-Temperature Aqueous GPC		\$62.00 /hr
Waters Breeze DMF-GPC		\$60.20 /hr
TA-Instruments-TGA-5500		\$60.75 /hr
TA Instruments Auto 2500 Differential Scanning Calorimeter		\$67.47 /hr

### X-Ray and Diffraction Analysis

Rigaku SmartLab X-Ray Diffractometer		\$83.75 /hr
Bruker D8 General Area Detector Diffraction System (GADDS)	\$7.50 +	\$92.70 /hr
Bruker D8 Powder Diffractometer		\$92.70 /hr
Multiwire Back-Reflection Laue Detector		\$138.84 /hr

### Mechanical Properties Testing and Analysis

TA Instruments DMA Q800 Dynamic Mechanical Thermal Analysis (DMTA)	\$16 +	\$77.25 /hr
TA Instruments Q400EM Thermomechanical Analysis (TMA)		\$94.75 /hr
Micro Hardness Tester	\$6 +	\$10.60 /hr
Linkham Microscope Tensile Stage	\$100 +	\$5.33 /hr
ATM Sonic sifter		\$22.15 /hr

### Thin Film Deposition, and Material Processing

Varian Thermal Bell Jar Evaporator Clark Hall		\$154.00 /use
Sputtering Deposition System		\$220.40 /use
KSV-NIMA-KN4010 Dip Coater	\$5.25 +	\$23.69 /hr
KSV-NIMA-KN2002 Langmuir Blodgett Trough	\$10.50 +	\$23.69 /hr
Laurell WS-400A Spin Coater	\$10.50 +	\$22.15 /hr
Omniculture 2000 UV Source		\$4.00 /hr

## Heat Treating

Carbolite 1600C Vacuum Tube Furnace	\$6 +	\$6.39 /hr
ovens, air furnaces, controlled atmosphere furnaces, etc.	\$6 +	\$5.30 /hr

## Electronic & Magnetic Measurements

Quantum Design Physical Property Measurement Systems (PPMS)	\$35 +	\$26.50 /hr
Quantum Design MPMS3 SQUID Magnetometer	\$35 +	\$32.75 /hr
Lakeshore Tabletop Magnetic-Cryogenic Probe System		\$27.90 /hr
Cascade CPS-06 Four Point Probe	\$6 +	\$34.50 /hr

## Sample Preparation, Cutting, Polishing, etc.

### Sample Prep

Enerpac Hydraulic Press		\$22.15 /hr
Buehler Simplemet II mounting press	\$10 +	\$22.15 /hr
Inert Gas Glove Box (+ monthly storage fee)		\$45.55 /use
Labstar-Pro-Glovebox-2D-Transfer-Station	\$16 +	\$15.66 /hr
Ball Mill		\$11.20 /hr
Spex 8000 MIXER /MILL	\$23 +	\$3.50 /hr
Perkin Elmer Evacuatable KBr Die	\$16.40 +	\$8.45 /hr
Fume Hood		\$7.73 /hr

### Cutting/Cleaning/Polishing

Glass Bead Abrasive Unit (sand blasting)-Clark		\$35.40 /hr
SS White Sand Blasting Unit	\$10 +	\$35.40 /hr
Struers Rotopol		\$59.74 /hr

### Welding/Bonding

WestBond-747630E Wire Bonder	\$5 +	\$22.15 /hr
TPT HB05 Manual Wire Bonder	\$5 +	\$22.15 /hr
Stationary Spot Welder (Hughes HRW250B)	\$12.90 +	\$1.75 /hr

## Test Equipment Lending Library

(more info at <https://www.ccmr.cornell.edu/facilities/instruments/instrument-lending-library>)

Visit the library in D21 Clark Hall to see all instruments, rates, or to consult with staff)

8000-Varian-979-Helium-Leak-Detector	\$16 +	\$3.50 /hr
8003 Pfeiffer-ASM-340-Dry Helium Leak Detector	\$16 +	\$4.43 /hr
8001-8002 - Portable RGA Pump Stations (Extorr or SRS)	\$16 +	\$1.75 /hr
8010-8013 - Portable Turbo Pump Stations (Clark & Bard)	\$6 +	\$1.05 /hr
8020-8024 - Rough Pumps (Clark Hall)	\$6 +	\$0.42 /hr
8025-8026 - Rough Pumps - Scroll (Clark Hall)	\$6 +	\$0.64 /hr
9000, 9016 - Stanford Research SR844 RF Lock-in Amplifier	\$6 +	\$0.34 /hr
9001-9009, 9017 - Signal Recovery 7265 Lock-in Amplifiers	\$6 +	\$0.18 /hr
9019 - Zurich Instruments 50MHz HF2LI Lock-in Amplifier	\$6 +	\$0.76 /hr

9014, 9018 - Signal Recovery 7270 Dual Lock-in Amplifier	\$6 +	\$0.25 /hr
9023-9025 - Signal Recovery 5113 Preamplifiers	\$6 +	\$0.10 /hr
9026-9030 - Stanford Research SR560 Low Noise Amplifiers	\$6 +	\$0.10 /hr
9040-9045 - Agilent E3630A Triple Output Power Supplies	\$6 +	\$0.04 /hr
9060-9065 - Yokogawa 7651 DC Programmable Power Sources	\$6 +	\$0.14 /hr
9070 - Agilent 33250A 80MHz Arbitrary Waveform Generator	\$6 +	\$0.16 /hr
9072-9076 - HP 3325A Function Generators	\$6 +	\$0.07 /hr
9079 - Agilent 33250A-80MHz Arbitrary Waveform Generator	\$6 +	\$0.16 /hr
9080-9084 - Agilent E8257 PSG Analog Signal Generators	\$6 +	\$0.80 /hr
9085 - HP 8657B 2GHz Signal Generator	\$6 +	\$0.07 /hr
9091-9092 - Picosecond 10070A Pulse Generators	\$6 +	\$0.59 /hr
9107-9109 - Agilent 200MHz Digital Oscilloscopes	\$6 +	\$0.09 /hr
9112 - LeCroy 8500A Wavemaster Oscilloscope	\$6 +	\$0.80 /hr
9120 - Agilent 35670A 102kHz Dynamic Signal Analyzer	\$6 +	\$0.64 /hr
9121 - Agilent E5061A 1.5GHz Network Analyzer	\$6 +	\$0.22 /hr
9122 - Hewlett Packard 8753D 6GHz Network Analyzer	\$6 +	\$0.69 /hr
9123 - Agilent 8722ES Network Analyzer	\$6 +	\$0.80 /hr
9131 - Agilent E4408B 26.5GHz Spectrum Analyzer	\$6 +	\$0.80 /hr
9133 - Agilent 8563E Spectrum Analyzer	\$6 +	\$0.18 /hr
9141-9144 - FW Bell Hall Probes	\$6 +	\$0.07 /hr
9152 - FLIR TG267 Thermal Imager	\$6 +	\$0.07 /hr
9164-9167 Keithley Sourcemeters	\$6 +	\$0.20 /hr
9168-9169 Keithley Sourcemeters	\$6 +	\$0.16 /hr
9170-Andeen-Hagerling-2700A-Multi-frequency-Capacitance/Loss-Bridge	\$6 +	\$0.80 /hr
9171-Agilent-4284A-Precision-LCR-Meter	\$6 +	\$0.55 /hr
9180-9186 - National-Instruments USB-GPIB adaptors	\$6 +	\$0.03 /hr