



## BILLING RATES - FY 20/21

DEPARTMENT NAME :

**Electron Imaging & Analytical Services (Electron Microscope)**

VICE-PRESIDENT AREA :

**VP for Research**

DESCRIPTION OF COMMODITY OR SERVICE :	UNIT OF BILLING	FY 20/21 RATE	CUSTOMERS BEING SERVED
Field Emission Scanning Microscopy (FESEM 4800)	per hour	\$65.00	Internal
TM3000 Tabletop Scanning Microscope	per hour	\$55.00	Internal
Scanning Microscopy Variable Pressure SEM 3400	per hour	\$65.00	Internal
Scanning Microscopy High Resolution VPSEM SU6600 & SU5000	per hour	\$65.00	Internal
7600 & 7830 Transmission Microscopy (TEM)	per hour	\$65.00	Internal
7600 & 7830 Transmission Microscopy with Cryo	per hour	\$75.00	Internal
HD 2000 Scanning Transmission Microscopy (STEM)	per hour	\$65.00	Internal
High Resolution Transmission Microscopy (HRTEM 9500)	per hour	\$65.00	Internal
High Resolution Transmission Microscopy (HRTEM 9500)			
with Heating Stage	per hour	\$75.00	Internal
HighResolution Transmission Microscopy (HRTEM 9500)			
with Heating Stage	per hour	\$325.00	Industry



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High Resolution Transmission Microscopy (HRTEM 9500)			
with Heating Stage	per hour	\$85.00	Non Profit Organizations outside University
Bulk Rate (without staff assistance)	per hour	\$140.00	Industry
Bulk Rate (including staff assistance)	per hour	\$200.00	Industry
NB5000 Focused Ion Beam (FIB) 1 Lift out TEM Prep	per hour	\$65.00	Internal
NB 5000 Focused Ion Beam (FIB) 1 Lift out TEM Prep	per sample	\$600.00	Industry
NB 5000 Focused Ion Beam (FIB) 1 Lift out TEM Prep	per sample	\$75.00	Non Profit Organizations outside University
NB 5000 Focused Ion Beam (FIB) w/Cryo	per hour	\$65.00	Internal
NB 5000 Focused Ion Beam (FIB) w/Cryo	per hour	\$400.00	Industry
NB 5000 Focused Ion Beam (FIB) w/Cryo	per hour	\$75.00	Non Profit Organizations outside University
NB 5000 Focused Ion Beam (FIB) Air Protection	per hour	\$65.00	University
NB 5000 Focused Ion Beam (FIB) Air Protection	per hour	\$400.00	Industry
NB 5000 Focused Ion Beam (FIB) Air Protection	per hour	\$75.00	Non Profit Organizations outside University
NB 5000 Focused Ion Beam (FIB) EBSD	1 run	\$100.00	Internal
NB 5000 Focused Ion Beam (FIB) EBSD	1 run	\$250.00	Industry



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NB 5000 Focused Ion Beam (FIB) EBSD	1 run	\$125.00	Non Profit Organizations outside University
Scanning Microscopy High Resolution VPSEM SU6600 & SU5000/Cryo	per hour	\$65.00	Internal
Scanning Microscopy High Resolution VPSEM SU6600 & SU5000/Cryo	per hour	\$263.00	Industry
Scanning Microscopy High Resolution VPSEM SU6600 & SU5000/Cryo	per hour	\$75.00	Non Profit Organizations outside University
Sample Cut	per cut	\$10.00	Internal
Sample Cut	per cut	\$25.00	Industry
Polishing	per sample	\$60.00	Internal
Polishing	per sample	\$60.00	Industry
Bulk Rate for EBSD with 1 Standard Report	per run	\$600.00	Industry
NOTE - 10% charges for the supplies will be added to above cost for the inside users and non-profit organizations to recover a lab supply fee for items such as gloves, carbon tapes, liquid nitrogen, general lab accessories, glues, and sample coatings.			
Gas Porosimeter	per sample	\$50.00	Internal
Gas Porosimeter	per sample	\$60.00	Non Profit Organizations
Gas Porosimeter	per sample	\$150.00	Outside Industry
PHI XPS Versaprobe III Instrument - Unassisted - Internal	Per hour	\$65.00	Internal
PHI XPS Versaprobe III Instrument - Assisted - Internal	Per hour	\$100.00	Internal



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PHI XPS Versaprobe III Instrument - Unassisted - External academic	Per hour	\$75.00	Non-profit external
PHI XPS Versaprobe III Instrument - Assisted - External academic	Per hour	\$110.00	Non-profit external
PHI XPS Versaprobe III Instrument - Unassisted - External Industry	Per hour	\$140.00	Industry
PHI XPS Versaprobe III Instrument - Assisted - External Industry	Per hour	\$200.00	Industry
SU9000 - Unassisted -Internal	Per hour	\$75.00	Internal
SU9000 - Assisted - Internal	Per hour	\$110.00	Internal
SU9000 - Unassisted -External academic	Per hour	\$85.00	Non-profit external
SU9000 - Assisted - External academic	Per hour	\$120.00	Non-profit external
SU9000 - Unassisted -External Industry	Per hour	\$140.00	Industry
SU9000 - Assisted - External Industry	Per hour	\$200.00	Industry

NOTE - 10% charges for the supplies will NOT be added to above cost because in the charge rate calculation, supplies cost is already considered.

NOTE - We are updating our existing S3400 SEM and HT7600 TEM with SU5000 and HT7830 TEM