

# Nanoscience @ UNM Facilities

## INTERNAL and EXTERNAL – User Rates

UNM's Center for High Technology Materials

Service Center Facilities

|   | <i>Internal</i>             | <i>Internal</i>          | <i>External</i>              | <i>External</i>            |
|---|-----------------------------|--------------------------|------------------------------|----------------------------|
| <b>Facility (Internal Service Center)</b><br>Any UNM Personnel with UNM Index | <b>Unassisted Academic</b>  | <b>Assisted Academic</b> | <b>Unassisted Industrial</b> | <b>Assisted Industrial</b> |
| <b>Center for High Technology Materials</b>                                   |                             |                          |                              |                            |
| <b>Cleanroom (includes Tools outside of CR, but maintained by CR staff)</b>   | \$66/hr<br>cap 9hr \$600/mo | \$250/hr                 | \$88/hr                      | \$251/hr                   |
|   |                             |                          |                              |                            |
| <b>Facility (Public Service Center)</b>                                       | <b>Unassisted Academic</b>  | <b>Assisted Academic</b> | <b>Unassisted Industrial</b> | <b>Assisted Industrial</b> |
| <b>Center for High Technology Materials</b>                                   |                             |                          |                              |                            |
| Interferometric Laser (IFL)   | \$54/hr                     | \$86/hr                  | \$75/hr                      | \$155/hr                   |
|   |                             |                          |                              |                            |
| Facility (Public Service Center)  | Internal Grade 1            | Internal Grade 2         | External Grade 1             | External Grade 2           |
| <b>Center for High Technology Materials</b>                                   |                             |                          |                              |                            |
| Molecular Beam Epitaxial (MBE)  | \$150/hr                    | \$300/hr                 | \$300/hr                     | \$601/hr                   |

### Special Equipment Rates

- Use of the XRD is a capped rate of \$100.00 per person per month (unlimited hours).
- Use of the MPMS is an hourly rate of \$30/hour up to 9 hours a month and a capped rate of \$300 per person per month afterwards (internal) and an hourly rate of \$60/hour up to 9 hours a month and a capped rate of \$600 per person per month afterwards (external).
- Use of the Raith Voyager E-Beam Reader and RAITH PIONEER Two SEM:
  - \$250/hr for assisted internal users in addition to cleanroom base fees
  - \$80/hr for unassisted use for internal users with monthly cap of \$300, in addition to cleanroom base fees
  - \$251 /hr for assisted use for external users; 6 hours free equipment time upon completion of training; no cleanroom base fees
  - \$120/hr for unassisted use for external users; no cleanroom base fees

### Please note (Pricing noted below is for Internal Usage Only):

- Billing cycle begins on the 16th of each month and ends at midnight on the 15th of the next month (i.e. March 15 to April 16).
- These rates are periodically reviewed and adjusted as necessary.
- An **'unassisted'** rate is that applied to a user who, in the judgment of the Nanoscience Lab Manager or appropriate designee, is fully trained on the equipment to be used.
- An **'assisted'** rate is that applied to a user who, in the judgment of the Nanoscience Lab Manager or appropriate designee, requires a Nanoscience staff member to be present to assist in equipment operation. This rate also applies to equipment training.

- Anyone entering the cleanroom for less than 1 hour during a billing cycle will be subject to a minimum charge of 1 hour.
- Use of equipment located outside the cleanroom that is maintained by CHTM cleanroom staff will be billed on an hourly rate. This includes SEM, XRD, dicing saw, wire bonder, PL setup.
- There is a special rate for faculty using a **UNM index code**. This is a capped rate for cleanroom use and includes:
  - a) There is a Capped rate of \$600.00 per person per month (unlimited hours) once a person has used up to 9hrs of use.
  - b) Cleanroom usage is charged at \$66.00 up to 9hrs of use.
  - c) Training of Tools is still charged by the hour.
  - d) Use of equipment outside the cleanroom is charged by the hour, unless the cleanroom is used for at least 1 hr, then no charge.
- Supplies available in the cleanroom stores (135A) are billed to faculty index codes/PO.

You can contact Karen Walker at [karenwalker@unm.edu](mailto:karenwalker@unm.edu) (505-272-7875) for any questions you have regarding the rates and the billing