

NanoIndenter Central Facility

Registration: To avail the Nanoindenter facility at MEMS, IIT Bombay. Registration is absolutely essential.

➤ **Registration Process :**

I) Internal Users :

User within IIT Bombay can apply from <http://drona.ircc.iitb.ac.in>. The form should be completely filled up and all the sample details must be provided in the requisition form. Users are encouraged to be present at the time of analysis by taking prior appointment. If a user cannot be present, a mail should be sent immediately to nanoindenter@iitb.ac.in along with the details of the sample as mentioned in the form.

II) External Users:

- Academic Institutions:
You can come in-person or send your samples along with a letter from the Head / Guide on your College/Institute Original Letter Head for registration stating that the analysis is for research purpose to qualify for academic concession. The letter should be addressed to Prof-In-Charge Prof. Prita Pant , NanoIndenter Lab, ME&MS Dept, IIT Bombay, Powai, Mumbai-400076
- Industry& Non- Government Agencies:
You can come in-person or send your samples along with a letter for registration. The letter should be addressed to Prof-In-Charge Prof Prita Pant, NanoIndenter Lab, ME&MS, IIT Bombay, Powai, Mumbai-400076
- National R & D Lab's :
You can come in-person or send your samples along with a letter from your Institute Original Letter Head for registration stating that the analysis is for research purpose. The letter should be addressed to Prof-In-Charge Prof. Prita Pant, NanoIndenter Lab, ME&MS Dept, IIT Bombay, Powai, Mumbai-400076

You are requested to mention in your request letter that “We agree to acknowledge the *Nanoindenter Facility of IIT Bombay* when the data from the Nanoindenter lab are used in our papers/reports/thesis”. List of such acknowledgements with appropriate reference will be communicated to Nanoindenter lab vide email *nanoindenter@iitb.ac.in*.

Kindly send the publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc) to us as the continuing functioning of the lab needs this feedback.

Charges for External Users

(Please add service charges at prevailing rates)

Experiment Type	Industry & Other Non govt. agencies Rs.	Academic Institutes Rs.	National R&D Labs Rs.	Sample Description
Indentation & Scratch	5000/-	500/-	2000/-	per sample
nano-DMA (Dynamic Mechanical Analysis)	7500/-	750/-	3000/-	per sample

Payment should be made in advance by a Demand Draft (DD) drawn in favour of "The Registrar, IIT Bombay, P and C Account".

The same should be sent to the Prof-In-Charge, Prof.Prita Pant at the above mentioned address.

- **Appointment:** The users will be informed about their date and time-slot by email.

- **Sample Submission** : Samples are to be submitted at the time of registration or brought along on the date of your appointment for your sample analysis.
- **Results:** After the sample analysis is complete the results will be sent by email.

○ GENERAL INSTRUCTIONS TO THE USERS

- ✚ The experimental data provided is only for research / development purposes. These cannot be used as certificates in legal disputes.
- ✚ Samples and payment should be sent preferably in the same cover. Samples will not be analyzed till payment is received.
- ✚ Maximum 4 samples at a time.
- ✚ The users should know the approximate roughness of the sample before submitting it for analysis. Surface roughness should be less than about 200 nm to obtain meaningful results.
- ✚ MSDS (Material Safety Data Sheet) should be given along with samples to ensure that the samples are not toxic or hazardous. Samples will not be accepted unless accompanied by MSDS.
- ✚ The Sample will be mounted on steel disc with the help of Feviquik for strong adhesion, so the sample may get damaged during removal.
- ✚ Add service charges at prevailing rates to the charges.

Date: 15th July 2011