

**OFFICE OF THE DEAN (RESEARCH & CONSULTANCY)
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119**

No. Dean (R&C)/19/

Dated: 25.09.2019

The Department of Mechanical Engineering has created state-of-the-art research & testing facilities in Tribology lab and Metrology lab. These testing facilities are available to the external users at the charges mentioned below:

CONSULTANCY/TESTING CHARGEES FOR VARIOUS EQUIPMENTS (w.e.f. 1st October, 2019)

Tribology lab

| Setup/facilities | Charges for educational & research organizations (External)* | Charges for Private industry/PSU/Non-Educational Org. * |
|--|--|---|
| Surface Roughness/Stylus Profile Testing Machine | Rs. 800 /sample (Three readings) | Rs. 1500 /sample (Three readings) |
| Pin-on-Disc Tribometer | Rs. 800 /sample (upto 1 hour) | Rs. 1500 /sample (upto 1 hour) |
| Four Ball Tester (Wear Preventive Test) | Rs. 2500 /sample | Rs. 4000 /sample |
| Four Ball Tester (Extreme Pressure/Weld Load Test) | Rs. 4000 /sample | Rs. 7000 /sample |
| Dry Sand Abrasion Tester | Rs. 800 /sample | Rs. 1500 /sample |
| Reciprocating Wear Tester (Room Temperature) | Rs. 1000 /sample (upto 1 hour) | Rs. 2000 /sample (upto 1 hour) |
| Micro-hardness Tester | Rs. 1000 /sample (Five indents) | Rs. 2000 /sample (Five indents) |
| Normal Stir Casting for Aluminium Alloys | Rs. 1500 /casting | Rs. 3000 /casting |
| Stir Casting with Ultrasonic for Aluminium Alloys | Rs. 2500 /casting | Rs. 4000 /casting |
| Normal Stir Casting for Magnesium Alloys | Rs. 2000 /casting | Rs. 4000 /casting |
| Stir Casting with Ultrasonics for Magnesium Alloys | Rs. 3000 /casting | Rs. 5000 /casting |

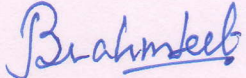
Metrology Lab

| Setup/facilities | Charges for educational & research organizations (External)* | Charges for Private industry/PSU/Non-Educational Org. * |
|---|--|---|
| Digital Weighing Balance (least count 0.0001/0.00001gm upto 50gm) | Rs. 50 /sample | Rs. 200 /sample |
| Double Disc Polishing Machine (Without any polishing paper) | Rs. 500 /sample | Rs. 800 /sample |
| Metallurgical Inverted Microscope with Image analysis Software | Rs. 500 /sample (05 images/sample) | Rs. 1000 /sample (05 images/sample) |
| Digital Tool Makers Microscope (2D Measurement) | Rs. 500 /sample (05 images/sample) | Rs. 1000 /sample (05 images/sample) |
| Digital Tool Makers Microscope (3D Measurement with Probe) | Rs. 1000 /sample (05 images/sample) | Rs. 2000 /sample (05 images/sample) |

* GST extra as applicable

The external users for availing the concerned facilities may contact at the address mentioned below.

Dr. Lalit Thakur
Prof. in-Charge Tribology & Metrology Lab.
Mechanical Engineering Department
NIT Kurukshetra
Email: lalitthakur@nitkk.ac.in
Contact No: 01744-233106/447


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