**Four Ball Tester**

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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXdlHGwMpXECGS0TpSx7L1zG1myVg5mNXf_btcv1-1sAsiUtRznTAakLZhmrtnr8hwwEga_qAN77mkF_n4fARiPwUV_rCSll8C3_7zLQR2B_RYi3h8Rlogfo9ZHNLcbYHBJHKj8cMe5MLD0HvanUSJEa9xtpw81k-Vq63uP62qm333hp0Wz_0aQ?key=-4xXS4rTKElPJ5_LFbsF5LlW | **Name of the equipment:**  Four Ball Tester  **Make & Model:**  Magnum & TE-4B-L 144/2014  **I-Stem Registration ID-**  3224913  **Category of Instrument**  Characterization Tool  **Types of Analysis / Testing**  Testing  **Application:**  Determining the Coefficient of Friction of lubricants. |

**Booking Details**

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| **Book through I-STEM:**  <https://www.istem.gov.in/>  **Slot Booking Link**  [I-STEM Slot Booking link for External User](https://www.istem.gov.in/equipment-info/24913/Pin-on-Disc-Tribometer-and-Four-Ball-Tester) | **Booking available for**  Internal and External Both  **Requisition form for**  [Internals](https://randc.nitc.ac.in/pdf/instruments/med/20.%20Internal.pdf)  [Externals](https://randc.nitc.ac.in/pdf/instruments/med/20.%20External.pdf) |

**Contact Details**

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**Description and Technical Specifications**

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| **Description of Instrument:** This instrument is used to measure the Coefficient of Friction and Performance of lubricants by measuring the scar diameter.  **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)** |  |
| |  |  | | --- | --- | | Speed | 100 to 2000 rpm | | Normal Load | 0.5 to 800kg | | Leverage Ratio | 13:1 | | Temperature | Up to 100 ͦ C | |  |

**User Charges Rs. (GST Extra)**

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| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 100/- per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) | 500 + 18%GST per sample per hour (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) | 500 + 18%GST per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) | 1000 + 18%GST per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) |