**High Frequency Reciprocating Rig**

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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXc0x-cvLgdXv85PN4ea4yWaHeJ4UysioTZZor9EMMA9StVmKu8IUxjlVgZJFeqoA1dILrfx5bZJtDrkQj89FrcdCS4vmp5f2ZBjMKL6xaSeBO3V9sAmqay1GCjFztrtsUH59uK_5nQEA9Sq4QAbo_b1ual2p3e1K1wPHs0Ce29FZgA-JBZmwm0?key=YXvdoxEXxG2chCso_WZCLA | **Name of the equipment:**  High Frequency Reciprocating Rig  **Make & Model:**  DUCOM & TR-282  **I-Stem Registration ID-**  3224915  **Category of Instrument**  Characterization and Testing Tool  **Types of Analysis / Testing**  Testing  **Application:**  Friction and Wear characteristics of Ball Samples |

**Booking Details**

**Contact 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/24915/High-Frequency-Reciprocating-Test-Rig) | **Booking available for**  Internal and External Both  **Requisition form for**  Internals  Externals |

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**Description and Technical Specifications**

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| **Description of Instrument:** It is an equipment used to find the Coefficient of Friction of lubricants. Here the spherical ball clamped in a holder which is reciprocating to & fro along a cylindrical disc which is fixed at the bottom holder filled with lubricant.  **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)** |  |
| |  |  | | --- | --- | | Top Specimen Ball | ϕ6mm | | Bottom Specimen Plate | ϕ10 x 3mm | | Frequency Range | 10-60Hz | | Load | 1 to 10N | |  |

**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 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 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) |