**Linear Reciprocating Tribometer**

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| C:\Users\ACER\Downloads\IMG_20240717_165836.jpg | **Name of the equipment:**  Linear Reciprocating Tribometer  **Make & Model:**  Ducom TR 282  **I-Stem Registration ID-**  3224926  **Category of Instrument**  Characterization and Testing Tool  **Types of Analysis / Testing**  Testing  **Application:**  Friction and Wear characteristics of Ball/ pin/ cylindrical samples |

**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/24926/Linear-Reciprocating-Tribometer--LRT-) | **Booking available for**  Internal and External Both  **Requisition form for**  Internals  Externals |

**Contact Details**

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**Description and Technical Specifications**

**Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**

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| **Description of Instrument:** It is an equipment used to find the Coefficient of Friction. Here the top specimen clamped in a holder which is reciprocating to & fro along a plate (bottom specimen) which is fixed at the bottom holder. |  |
| |  |  | | --- | --- | | Top Specimen's | Ball: ϕ3x15, ϕ6x15, ϕ10x15  Pin: ϕ3, ϕ6, ϕ10  Cylinder: ϕ3x15, ϕ6x15, ϕ10x15 | | Bottom Specimen Plate | 40\*40\*6mm | | Frequency range | 1 to 50 Hz | | Load | 5 to 250N | |  |

**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) |