**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** InternalsExternals |

**Contact Details**

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| **Faculty In-charge:** Dr.Amit Kumar Singh**Email ID:**amitsingh@nitc.ac.in**Phone number:** +91-8949362395 | **Technical Staff:**Shibin (Senior Technician) shibinr@nitc.ac.inRobin (Lab Attendant) robinmd@nitc.ac.in | **Department**MED**Office Email ID**medoffice@nitc.ac.in**Location**Room No. 101 MSED Department Building**Lab Phone No**0495-2286485 |

**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. |  |
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| Top Specimen's | Ball: ϕ3x15, ϕ6x15, ϕ10x15Pin: ϕ3, ϕ6, ϕ10Cylinder: ϕ3x15, ϕ6x15, ϕ10x15 |
| Bottom Specimen Plate | 40\*40\*6mm |
| Frequency range  | 1 to 50 Hz |
| Load  | 5 to 250N |

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**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) |