**Pin On Disc**

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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXfG3K9qO9mb2MJ6kKGzxWj2qszaJjQJltWugTdvu7JmE_NvtbJ5tfrt772usyXu4yxVazvihCKHU7Y3A8swLfFPYoAuOL5KrB5Q4Op44jF5Kw_V-EB6cCi-xK2WQ-IBQcDPpqpoEJQjqkLLUeCSARaI5VADGB56gWAolMyLBRTwMXTbVLyGD0s?key=-4xXS4rTKElPJ5_LFbsF5LlW | **Name of the equipment:**  Pin On Disc Tribotester  **Make & Model:**  Magnum & TE-165 143/2014  **I-Stem Registration ID-**  3224913  **Category of Instrument**  Characterization and Testing Tool  **Types of Analysis / Testing**  Testing  **Application:**  Friction and Wear characteristics of Pin and Ball 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/24913/Pin-on-Disc-Tribometer-and-Four-Ball-Tester) | **Booking available for**  Internal and External Both  **Requisition form for**  Internals  Externals |

**Contact Details**

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**Description and Technical Specifications**

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| **Description of Instrument:** The apparatus facilitates the study of friction and wear characteristics in sliding contacts, sliding occurs between the stationary pin and a rotating disc. The normal load, rotational speed, temperature, humidity and wear are the variables to meet the test conditions. |  |
| **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**   |  |  | | --- | --- | | Loads | Up to 200N | | Speed | 100 to 2000 rpm | | Specimen | Pin Size: ϕ3mm to   12mm | | Wear Disc Size | ϕ165mm x 8mm thick | | | | |  |

**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) |