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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXc-AcYNFGb_ezBw50EEHKjN1vPeoz_wSXEBx4bBgq8T7E5niwLAPm0uykw92K769QV0AIXPauk09nZsLKNApnluY7oEbidJ-Cfgw0sBHhjjj2sX2CyLmXVsWrfWP8uACZ_gio2EBZbD9ukuhjjOgQ?key=TRuD-L3nq_8UUkJqbMnF9Q | **CNC LATHE MACHINE**  **Name of the equipment:**  CNC Lathe Machine  **Make & Model:**  Ace Micromatic, Bangalore& LT-16 300LM,  **I-Stem Registration ID-**  **3224872**  **Category of Instrument**  Advanced Manufacturing facility  **Types of Analysis / Testing**  Machining  **Application:**  Precision component Manufacturing. Manufacturing of large quantities of standardized products.  **Description of Instrument**  It is a 2-Axis CNC Lathe and has a horizontal spindle with a work holding device and the tool is located in a fixed position station turret. This machine that handles complex machining operations. |

**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/24872/Ace-CNC-Lathe) | **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) |

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| **Faculty In-charge:**  Dr. Muhammed Rashad  **Email ID:**  rashad@nitc.ac.in  **Phone number:**   +91-9744899126 | **Contact Details**  **Technical Staff:**  Mr.Manoj K.G  manoj@nitc.ac.in  Mr.Abhinav K  abhinavk@nitc.ac.in | **Department**  MED  **Office Email ID**  medoffice@nitc.ac.in  **Location**  Machine Shop  **Lab Phone No**  0495 2286440 |

**Features, Working Principle and Specifications**

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| **Features of the equipment**   * Metal work pieces can be machined to the required shape and size. | **Unique features/Measurement capabilities, if any** |
| **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**     * CNC system: Fanuc 0i Mate * Table size: 650 x 350mm * Load on Table: 200 kgf * Number of Tools: 12nos * Tool shank type: BT-40 | **Measurement/Sample specifications:**   * work piece dimension: 500 x 200 |

**Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions**

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| * Work piece material: metal work pieces * Minimum No of Days Required for work: Depends on work |

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

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| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 300/- per hour | 600/- per hour | 600/- per hour | 600/- per hour |