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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.Gmanoj@nitc.ac.inMr.Abhinav Kabhinavk@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
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**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
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**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 |