**CNC VERTICAL MACHINING CENTER**

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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXc-AcYNFGb_ezBw50EEHKjN1vPeoz_wSXEBx4bBgq8T7E5niwLAPm0uykw92K769QV0AIXPauk09nZsLKNApnluY7oEbidJ-Cfgw0sBHhjjj2sX2CyLmXVsWrfWP8uACZ_gio2EBZbD9ukuhjjOgQ?key=TRuD-L3nq_8UUkJqbMnF9Q | **Name of the equipment:**  CNC Vertical Machining Center  **Make & Model:**  Ace Micromatic, Bangalore& MCV-300  **I-Stem Registration ID-**  **3224873**  **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 3-Axis CNC Machining Centre and has vertically oriented spindle that approach work piece mounted on worktable from above and equipped with tool magazine system and automatic tool changer. This is the 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/24873/CNC-Vertical-Machining-Centre-MCV-300) | **Booking available for**  Internal and External Both  **Requisition form for**  [Internal](https://randc.nitc.ac.in/pdf/instruments/med/20.%20Internal.pdf)  [External](https://randc.nitc.ac.in/pdf/instruments/med/20.%20External.pdf) |

**Contact Details**

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**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 |