**RAPID PROTOTYPING MACHINE**

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|  | **Name of the equipment:**  RAPID PROTOTYPING MACHINE  **Make & Model:**  STRATASYS F170  **I-Stem Registration ID-**  **3224891**  **Category of Instrument**  Advance Manufacturing Centre  **Types of Analysis / Testing**  3D Printing  **Application:**  3D Printing using Additive Manufacturing technique based on FDM Technology  **Description of Instrument:**  Specialized equipment designed to generate and maintain extremely high temperatures, typically ranging from 1000°C to over 1500°C, for industrial processes like material testing, heat treatment, metallurgy, and ceramic production. |

**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/24891/Rapid-Prototyping-Machine) | **Booking available for**  Internal and External Both  **Requisition form for**  Internals  Externals |

**Contact Details**

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| **Faculty In-charge:**  Dr. Basil Kuriachen  **Email ID:**  bk@nitc.ac.in  **Phone number:**  +91-9947187133 | **Technical Staff:**  Sanal PR (TA SG I)  [sanal@nitc.ac.in](mailto:sanal@nitc.ac.in)  Jithin Krishna M (TA)  [jithinkrishnam@nitc.ac.in](mailto:jithinkrishnam@nitc.ac.in)  Jijeesh k (ST)  [jijeeshk@nitc.ac.in](mailto:jijeeshk@nitc.ac.in) | **Department**  MED  **Office Email ID**  [medoffice@nitc.ac.in](mailto:medoffice@nitc.ac.in)  **Location**  Advance Manufacturing Centre  Production Block  **Lab Phone No**  0495-2286450 |

**Features, Working Principle and Specifications**

**Instrument Technical Description and Major Specifications:**

Maximum Build Size (XYZ) in mm 250 x 250 x 250 mm.

Layer thickness minimum of 0.130mm.

Slice Heights Minimum 0.130mm

Accuracy of: +/- .225 mm, or +/- .0025 mm/mm whichever is greater

**Type of sample Required:** Material Options ABS, ABS-M30, PLA & ASA

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

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