**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** InternalsExternals |

**Contact Details**

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**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 |