

RAPID PROTOTYPING MACHINE

Photo of Instrument:



Instrument Name	RAPID PROTOTYPING MACHINE
Instrument Model & Serial No.	STRATASYS F170 & D10816
Instrument Make	STRATASYS
Category of Instrument	Advanced Manufacturing facility
Description of Instrument	3D Printer using Additive Manufacturing technique based on FDM Technology capable of producing Physical Models & assemblies, jigs and fixtures in multiple engineering grade proprietary thermoplastics such as ABS-M30, ASA, PLA etc
Instrument Technical Description and Major	Maximum Build Size (XYZ) in mm 250 x 250 x 250 mm. Layer thickness minimum of 0.130mm.

Department of Mechanical Engineering, NIT Calicut

Specifications (This Specifications Limited to Major 5)	Slice Heights Minimum 0.130mm. Accuracy of: +/- .225 mm, or +/- .0025 mm/mm, whichever is greater.
Application of Instrument (Limited to Major 4 or 5)	3D Printing using Additive Manufacturing technique based on FDM Technology
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	Material Options ABS, ABS-M30, PLA & ASA
Types of Analysis / Testing	Manufacturing
Faculty In-Charge Name / Email / Contact	Dr Jose Mathew 0495 2286405 josmat@nitc.ac.in
Technical Staff Name / Email / Contact	Mr. Sanal P R sanal@nitc.ac.in 9497186556
Location of Instrument	Micro Machining centre, Production Block
Other Details	

User Charges:

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	3D PRINTING	300/hour	300/hour	300/hour	300/hour	300/hour

Slot Booking and Payment Work Flow: