



**Institution of Eminence Cell
Indian Institute of Technology Bombay**

Advanced Manufacturing and Materials

Facilities Currently Available

Sr. no.	Items	Contact Person	Department
1	Non Contact Metrology System,Annual Maintainance Cost	Prof.Soham Mujumdar	Mechanical Engg.
2	Optical 3D CMM	Prof.Soham Mujumdar	Mechanical Engg.
3	Annual Maintainance Cost,Contact type Profilometer	Prof.Soham Mujumdar	Mechanical Engg.
4	Laser for single and two photon ceramic	Prof.Prasanna S. Gandhi	Mechanical Engg.
5	Annual Maintenance Contract 12 months,Ceramic 3D printer system	Prof.Prasanna S. Gandhi	Mechanical Engg.
6	Ultra Precision Machining Facility	Prof.Rakesh G. Mote	Mechanical Engg.
7	Virtual Production system setup for,AMC,TCS PAYMENT	Prof.M S Kulkarni	Mechanical Engg.
8	Tabletop CNC milling machine with open	Prof.M S Kulkarni	Mechanical Engg.
9	Reliability and Availability Modelling	Prof.M S Kulkarni	Mechanical Engg.
10	Ansys Twin Builder	Prof.M S Kulkarni	Mechanical Engg.
11	Siemens 828D Training Kit (Turning 2Axes,Siemens 840D Training Kit (MI	Prof.M S Kulkarni	Mechanical Engg.
12	FANUC Oi TF Training Kit (Turning 2 Axes,FANUC Oi MF Training Kit (Milling 3 Axes, FANUC IoT Interface h/w,Fanuc MT Link i,Servo Viewer software for FANUC servo	Prof.M S Kulkarni	Mechanical Engg.
13	Robotic Arc Welding Cell	Prof.Amber Shrivastava	Mechanical Engg.
14	Laser Welding Machine	Prof.Amber Shrivastava	Mechanical Engg.
15	Arc Viewing Camera	Prof.Amber Shrivastava	Mechanical Engg.
16	Cold Metal Transfer Source for Wire Arc	Prof.Amber Shrivastava	Mechanical Engg.
17	3 D printer for cement concrete	Prof.P Nanthagopalan	Civil Engg.
18	Hybrid Additive-Subtractive CNC and DED	Prof.Asim Tewari	Mechanical Engg.

19	MULTI-ION BEAM IMAGING SYSTEM	Prof.Sushil Mishra	Mechanical Engg.
20	Polar 3-D Orthogonal weaving machine	Prof.C S Yerramalli	Aerospace Engg.
21	Laptop-ACER TravelMate P2510	Prof.Prasanna S. Gandhi	Mechanical Engg.
22	Dehumidifier	Prof.Prasanna S. Gandhi	Mechanical Engg.
23	Dehumidifier	Prof.Prasanna S. Gandhi	Mechanical Engg.
24	Compressor	Prof.Rakesh G. Mote	Mechanical Engg.
Following Facilities are being Commissioned			
1	Annual Maintenance Contract 12 months	Prof.Prasanna S. Gandhi	Mechanical Engg.
2	Industrial Dehumidifier	Prof.Rakesh G. Mote	Mechanical Engg.
3	200g MEDICAL GRADE,LithaSol 20 1L Cleaning fluid,CeraVat UHC - Optical OilSyringe 5x 3ml,Build plaform CF8500,LithaCon 3Y 210 per 200g CartA,LithaLox HP 500 per 200g,CeraVat - Round Type - F,Wiper blade CF8500 / S25 / S65	Prof.Prasanna S. Gandhi	Mechanical Engg.
4	Integrated EDS and WDS system	Prof.Sushil Mishra	Mechanical Engg.