3D LASER LITHOGRAPHY FACILITY AND SEM FACILITY

Registration: To avail the 3D Laser Lithography and SEM Facility at BSBE Department, IIT Bombay registration is essential.

Registration Process:-

I) Internal Users: Users within IIT Bombay can apply from http://drona.ircc.iitb.ac.in. The form should be filled up and all the sample details must be provided in the requisition form. Users have to upload their design in .stl format (for 3D Laser Lithography) in the form itself. If there is any issue in uploading the design in the request form, user can mail it to the mail id 3dlitho@iitb.ac.in Users are encouraged to be present at the time of imaging by making a prior appointment. If the user cannot be present, a mail should be sent immediately to 3dlitho@iitb.ac.in along with the details of the sample as mentioned in the form.

II) External Users: Since the registration portal is not accessible from outside IIT Bombay, external users must send an email to 3dlitho@iitb.ac.in for registration. For using 3D Laser Lithography, the user should forward the design in .stl format and substrate details to 3dlitho@iitb.ac.in, and confirm with the operator that the design and substrate are compactable with the instrument.

- **Academic Institutions**: You can come in person along with a letter from the Head / Guide on your College/Institute Original Letter Head for registration stating that the analysis is for research purposes to qualify for academic concession. The letter should be addressed to Prof-In-Charge Prof. Prakriti Tayalia, Dept of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai-400076

- **Industry & Non-Government Agencies**: You can come in person along with a letter for registration. The letter should be addressed to Prof-In-Charge Prof. Prakriti Tayalia, Dept.of Biosciences and Bioengineering IIT Bombay, Powai, Mumbai-400076

- **National R & D Labs**: You can come in person along with a letter from your Institute Original Letter Head for registration stating that the analysis is for research purposes. The letter should be addressed to Prof-In-Charge Prof. Prakriti Tayalia, Dept. of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai-400076.

You are requested to mention in your request letter that **"We agree to acknowledge the 3D Laser Lithography Facility/ SEM Facility of IIT Bombay when the data are used in our papers/reports/thesis".** A list of such acknowledgments with appropriate references will be communicated via email at 3dlitho@iitb.ac.in.
 Kindly send the publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc.) to us as the continuing functioning of the lab needs this feedback
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3D LASER LITHOGRAPHY FACILITY
AND
SEM FACILITY

Revised charges (w.e.f. Jan 2022)

S. No.	Usage	IITB Users (Rs.)	External Academic Institutions	National Labs and R&D Organizations	Users from Industry
Charges for using 3D Laser Lithography Facility					
1	**Equipment usage fee**	**500**	**1500**	**2000**	**5000**
2	3D designing charges	500	1500	2000	5000
3	2D structure(1 cm^2)	250	750	1000	2500
4	2D structure **with SEM** (1 cm^2)	450	1350	1800	5000
5	3D structure (height up to 300 um)	500	1500	2000	5000
6	3D structure **with SEM** (height up to 300 um)	700	2100	2800	7500
7	3D structure (height up to 1 mm)	1500	4500	6000	15000
8	3D structure **with SEM** (height up to 1 mm)	1700	5100	6800	17500
9	Hourly fee if fabricationtakes longer than 1 hour	500	1500	2000	3000
Charges for using Scanning Electron Microscope Facility					
	Imaging	250/sample	700/ sample	1500/sample	2500/sample

Additional charges:
- 18% GST
- Substrate charge: Rs. 500/- per substrate (for 3D Laser Lithography)
- Charges for optimizing writing parameters - Substrate cost plus writing cost on an hourly basis (excluding usage fee) (for 3D Laser Lithography)

GST* rate as on 1.8.2017:

1) If the recipient of the report is from Maharashtra: 9% SGST and 9% CGST
2) If the recipient of the report is from outside Maharashtra: 18% IGST
(Please add GST charges as mentioned above)
Payment Details:
Bank Details for Electronic Transfer:

Legal Name:	Indian Institute of Technology-Bombay
GST Registration No. :	27AAATI1446A1Z7
Bank Name:	State Bank of India, IIT Powai Branch, Mumbai- 400076, India.
Bank A/c No.:	10725729173
IFSC/RTGS/NEFT:	SBIN0001109
MICR No. :	400002034
Branch Code:	1109
Swift Code:	SBININBB519
Telephone No. :	+91-22-2572-1103

The payment should be done in advance, for **DD**, payment should be in favor of "**Registrar, IIT Bombay**".The same should be sent to the Prof-In-Charge, Prof. Prakriti Tayalia at the above mentioned address, along with the request letter.

- **Appointment**: The users will be informed about their date and time slot by email. If the day and time slot are not suitable for you, an email request should be sent immediately for an alternate slot