

NMTC LAB SERVICES LIST

SI No	Services	Specifications
1	AFM	
2	Optical Profiler	
3	Nano Indenter	
4	XRD	
5	Raman Microscope	
6	FTIR	
7	Confocal Microscope	
8	Ellipsometer	
9	Micro Hardness Tester	
10	Scanning Electron Microscope (SEM)	SEM
		SEM+EDX
		Electron Backscattered Imaging
		FIB
11	Particle Size Analyser (PSA)	PSA wet
		PSA DRY
12	Surface Area Analyser (SAA)	Physisorption
		Chemisorption
13	Planetary ball mill	
14	Rheometer	
15	Transmission Electron Microscope (TEM)	TEM+EDS+STEM+ED
		TEM imaging
		TEM+EDS
		TEM+Heating
		TEM+Cooling
		TEM+Tomo
16	Sample Preparation	Sputter Coater (per 5nm shot)
		Low speed Diamond Saw
		Well Diamond wire Saw
		Disc grinder
		Disc Punch
		Twin Jet Electro Polisher
		PIPS
		Dimple Grinder
		Ultra Sonic Disc Cutter
		Advanced Plasma Cleaner
		Cross Section Kit
		Hot Plate
		LaboPol 5
LaboForce 3		
Ultra Microtome		
17	TEM Sample Preparation	Hard Material (Bulk)

		Soft Material (Bulk)
		Any Material(<100 μm Thickness)
		Plasma Cleaner
		Polymer Sample
18	Stereo Microscope	
19	Light Microscope	
20	Vacuum Furnace	