1. Equipment: C-SAM®D9500 Digital Acoustic Micro
2. Indentor: Dr. Shiv Govind Singh
3. Location: NanoX lab, ODF
4. Preference of slot types (mention minimum time required for one time use):
5. Hours: 1 hr.
6. Samples: Samples of up to 4” size for defects measurements
7. Tentative cost per slot/sample: 100/slot
8. Contact details: Dr. Shiv Govind Singh ([sgsingh@iith.ac.in](mailto:sgsingh@iith.ac.in))
9. Rules and guidelines:
   1. Samples/materials allowed in the equipment: Bonded samples, Thin Films.
   2. Restricted materials/samples in the equipment: Materials which can’t withstand in DI water,
   3. The systematic study required for candidate before operating this delicate instrument, we preferred to train candidate by explaining each step with theoretical background after that physical session, and 10 time hands on sessions. Because of this it will take nearly 10 days to get complete expertize training.
   4. As a cleanroom facility, the user should not touch anything with his bare hands.
   5. Ultrasound transducer should have kept aside up to completion of total system installation.
   6. Make sure that filling only DI water in sample holder rack in specified level.
   7. After introducing Ultrasound transducer in specified depth in DI water, select the specified gate range for scanning.
   8. Scan the region
   9. shutdown properly.