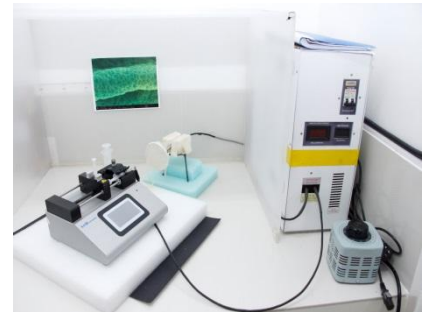


# Nanotechnology Laboratory

- ❖ The DOST-ITDI Nanolab is a new research facility established to provide nanotechnology-related technical services and R&D.
- ❖ With state-of-the-art equipment like High-resolution Field Emission Transmission Microscope (FE-TEM), maintained in a class 100K and electrostatic discharge (ESD)-compliant room.
- ❖ Nanotechnology is the study and manipulation of matter at a scale of about 1 to 100 nanometers.
- ❖ It involves characterization, design, and production of structures, devices, and systems with unique properties by fine-tuning the physical, chemical, mechanical, and optical properties of materials at the nanoscale.



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