

DIMENSIONS LABORATORY



Calibration of micrometer screw gauge using RBS standard (block gauges)

Dimensional metrology is the science of calibrating and using physical measurement equipment to quantify the physical size of or distance from any given object. Inspection is a critical step in product development and quality control.

Dimensional metrology spans a vast array of products and industries, from large scale manufacturing of ships and aircrafts to miniaturized mechanical components to precision optics.

The capabilities of the laboratory are the following:

- Calibration of dimensions equipment such as: vernier Calipers, Micrometer screw gauges and block gauges
- Verification of dimension measurements of products such as floor and roofing tiles, roofing sheets, steel bars for reinforcement, nails, textiles, electrical cables, glass etc

Future expansion

The lab intends to venture into following fields:

- Calibration of tape meters, deep sticks, dial gauges.
- Verification of construction works like road length, width, depth and parallelism of buildings.

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