

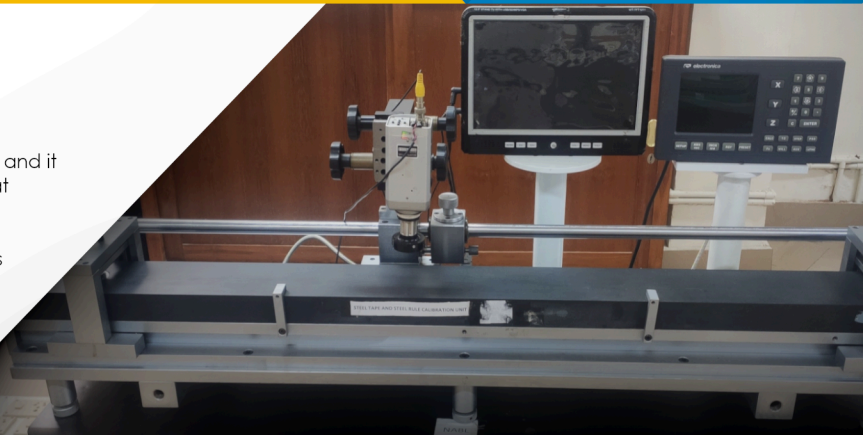


Why Calibration?

For any dimensional measurement to be reliable it must be comparable and it shall produce the same result when they are made by other people or at different time with standard operating conditions.

Calibration is a process in which an instrument or equipment accuracy is compared with the reference standard whose calibration is traceable to an accepted nation/internal national standard.

Calibration of any measuring system is very important to get meaningful and reliable results.



What we are?

We, CALIBRATION CENTER, BHARAT HEAVY ELECTRICALS LTD, Trichy is accredited to ISO 17025 by NABL (National Accreditation Board for Testing and Calibration Laboratories) since 1997.

We have four decades of experience in dimensional calibration. Our Calibration programs are designed to ensure that equipment and measuring instruments provide reliable, precise and traceable measurement results.

Environmentally controlled calibration laboratory, with well trained and competent personnel, with well defined work procedures, performing calibrations for various ranges of measuring equipment according to the National /International standards.



SCOPE OF ACCREDITATION FOR PRECISION INSTRUMENTS

EQUIPMENT/DEVICE TO BE CALIBRATED	MEASURING RANGE / RESOLUTION
Dial gauge calibrator	0.001 to 10mm/ 0.001 mm
Gauge blocks	0.5 to 100mm
Length measuring machine	0 to 600 mm/ 0.0001 mm
Gauge block comparator	0.5 to 100mm/ 0.00001 mm
Profile projector	0 to 200mm/ 0.002 mm & 0 to 90° 1 arc min.

SCOPE OF ACCREDITATION FOR BASIC MEASURING INSTRUMENTS AND GAUGES

TYPE OF INSTRUMENT, GAUGE OR MATERIAL TO BE CALIBRATED	MEASUREMENT RANGE
Calipers (vernier, digital, dial)	0 to 1000 mm
External micrometers	0 to 1000 mm
Internal micrometers	50 to 500 mm
Bore dial gauge	Stroke Length 1.2 mm up to Ø 300 mm
Dial indicator (plunger/ lever)	0 to 10 mm
Depth gauge	0 to 600 mm
Depth micrometer	0 to 300 mm
Bevel protractor	0°-360°
Height gauge	0 to 1000 mm
Plain plug gauge	1 to 100 mm
Plain ring gauge	14 to 100 mm
Thread plug gauge (major & effective diameter)	3 to 100 mm
Thread ring gauge (minor & effective diameter)	5 mm to 90 mm
Thread measuring cylinders	0.1 to 13.2 mm
Radius gauge	7.5 to 15 mm
Feeler gauge	0.05 to 1 mm
Extension rods	25 to 500 mm
Engineer square	Up to 300 mm
Spirit level	Sensitivity of 0.01 mm/m
Steel rule	1 mm to 1000 mm
Steel tape	Up to 30 metre
Straight edge	100 mm to 1000 mm
Wall thickness gauge	0 to 20 mm
Depth microchecker	0 to 300 mm
Inside microchecker	0 to 600 mm
Cylindrical square (perpendicularity)	0 to 500 mm

