

CALIBRATION & PRODUCTS



Torque

Pressure & Vacuum

Weighing Balance

Dimensions

Acoustic

Thermal – Humidity & Temperature

Electro-technical



For more information- www.flutech.in



**CALIBRATION
INDUSTRIAL TOOLS
MEASURING INSTRUMENTS**

MECHANICAL

ELECTRO-TECHNICAL

THERMAL

About Us

Flutech, established in 2010, is a Speciality Calibration and Technical Services company offering a broad and comprehensive range of calibration services performed, In-lab and on-site, providing traceability to National/International standards. Having one of the finest laboratories with best-in-class standard equipments to deliver highest performance levels in the industry. We Uphold the highest level of quality Assurance, Documentation, and Accuracy. We are also Engineering Products Distribution Company having tie-ups with world class manufacturers.



CALIBRATION



Flutech Calibration Laboratory is a state-of-the art facility with high accuracy reference calibration Standards.

Flutech offers a wide range of solutions and services to diverse markets ranging from Automobile to Aerospace, Defence, Manufacturing, Steel, Mining, Power, Oil & Gas.

We are equipped to perform multi-parameter, multi domain calibrations, delivering high precision and accurate measurements, Covering

- * Torque * Pressure & Vacuum * Temperature * Humidity * Acoustic
- * Electro-technical * Weighing Balance * Dimension.

Our organisation has highly skilled, experienced, trained & certified team to undertake highest level of calibration services.

Our Laboratory is Accredited in accordance with ISO/IEC 17025:2017 by the NABL (National Accreditation Board for Testing and Calibration Laboratories), Dept. Of Science & Technology, Gol,

CERTIFICATION

NABL Accredited Laboratory



"Scan the QR code for NABL Accreditation Certificate and scope of our Laboratory"



PRODUCT DISTRIBUTION



INDUSTRIAL TOOLS & MEASURING INSTRUMENTS

We supply extensive range of Industrial tools & Measuring instruments in the industry today, representing world's leading manufacturer's, delivering solutions for Torque tightening & measurements, Pressure & Temperature measurements & Electrical test and measuring instruments.

NORBAR, UK: Torque tools for tightening, measurement & calibration.

Sturtevant Richmond, USA: Design and manufacture precision torque tools and error-proofing systems

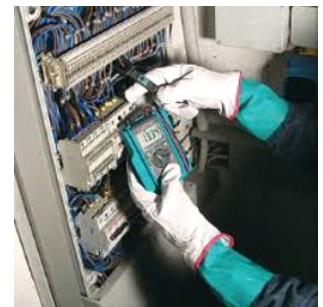
KYORITSU, JAPAN: high-quality electrical measurement and testing equipment

ADDITEL, USA: high-quality test tools and portable calibrators for process, test, measurement and calibration applications.

DEIKTIS, INDIA: Leading pressure gauge, temperature gauge, thermocouple and RTD manufacturer

MOMENTO, SWEDEN: manufacture of impact sockets and accessories

As their Authorized distributor for Sales & Service.



COMPLETE SOLUTIONS & SUPPORT

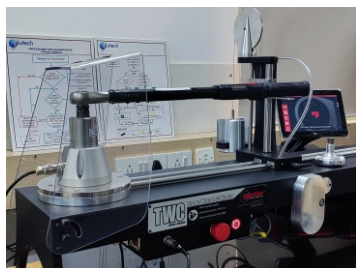
Flutech brings to its customers a unique advantage of supplying products, and undertaking Repairs, Services and Calibration for a wide range of products and instruments.

All under one roof.

We are committed to delivering HIGH Quality products and Excellence in our services.



Torque Calibration

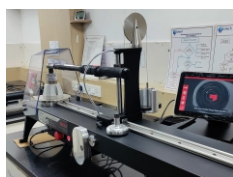


Reference Calibration Standard:

High accuracy Calibration standards, Norbar make Torque sensors, classified to BS7882, accuracy of 0.5 class

The torque wrenches are calibrated on Norbar Torque Wrench Calibrator in accordance with ISO 6789, automated and computerized procedure, thereby reducing operator induced variations in the calibration process

Wide NABL Accredited range and parameters calibrated



Hand Torque Wrench



Torque Multiplier



Hydraulic torque wrench



Rotary torque tool

CALIBRATION RANGE

0.04 TO 50,000 Nm

TYPICAL INSTRUMENTS

Hand Torque Wrench
Torque Screw Driver
Torque Multiplier
Hydraulic Torque wrench
Rotary torque tool
(Pulse tool/Nut Runner)
battery tools Pneumatic

Pressure Calibration



Dead Weight Tester

Reference Calibration Standard:

Primary standard, DH Budenberg make, Dead weight testers & Fluke module calibrators. Laboratory having best accuracy of 130 PPM

Calibrated in accordance with DKD R6-1 and NABL guidelines.

In-lab & On-site Calibration facility

Widest NABL Accredited range and parameters calibrated



Hydraulic / Pneumatic



Vacuum / Differential



Transducer / Calibrator



On-site Calibration

CALIBRATION RANGE

Hydraulic : 0 to 1600 bar
Pneumatic : 0 to 40 bar
Vacuum : -0.01 to -0.8 bar
Differential: 0.2 to 340 mbar
Dead weight to dead weight: 3.5 to 1200 bar

TYPICAL INSTRUMENTS

Hydraulic Gauges,
Pneumatic Gauges,
Vacuum & Differential Gauges
Transducers & Transmitters,
Switches, Magnehelic gauge
Pressure Calibrators
Dead weight Testers
(cross float method)

Dimensions Calibration



Reference Calibration Standards:

Grade "0" Slip Gauges, Angle gauges, Floating Carriage, Electronic Dial Calibrator, Ring Gauges, Caliper Checker

Calibration procedure as per IS standards and NABL guidelines.



Vernier caliper



Micrometer



Thread plug gauge



Bore gauge



Height gauge



Dial gauge

CALIBRATION RANGE

Bore Gauge : All ranges
Inside Micrometer : 275 mm
Vernier cal. & Height Gauge : 1000 mm
Bevel Protractor : 360 degrees
Depth Micrometer : 300 mm
Setting rods/Depth Vernier : 300 mm/600 mm
Pin Gauge : upto 25 mm
Snap Gauge : 3 to 150 mm
Micrometer : 600 mm
Pistol Caliper : 220 mm
Dial Gauges : 0-25 mm
Feeler Gauge : 0.03 to 1 mm
Thread Gauges : 100 mm
Plain Plug Gauges : 2 to 150 mm
3 Point Micrometer : 100 mm

Electrical - Technical Calibration



Reference Calibration Standards:

Fluke 50 ppm multi product Calibrator and Fluke 8.5 Digit Reference Multi meter along with Agilent LCR meter and Time Electronics (UK)

Decade boxes to test and measure a wide range of electrical parameters.

Calibration procedures are derived from International methods and NABL guidelines.

In-lab and On-site calibration capability

Wide NABL Accredited range and parameters calibrated.



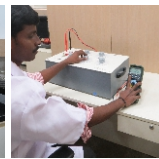
Multimeter Calibration



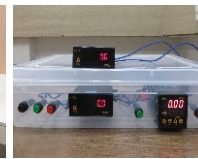
LCR Meter



Power Supply



Insulation Tester



Digital Timer

Thermal Calibration



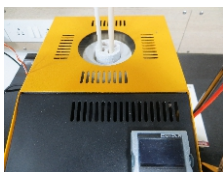
Reference Calibration Standards:

High accuracy calibration standards, with furnace (Isotech, UK) stability better than 0.3°C and High accuracy R-Type Thermocouple (TC Ltd, UK) and Fluke SPRT Sensors with high precision Readout, Black body source & Humidity Chamber.

Calibrated in accordance with International standards AMS2750 DKD R-5-6 & ASTM 220.

In-lab and On-site calibration capability.

Wide NABL Accredited range and parameters calibrated in the region.



RTD/Thermocouple/
Thermometer



Data logger



Temp. controller



Furnace/Oven



IR Thermometer



Humidity

Weighing Scale & Acoustic

Weighing Scale Standards: E2 & F1 Class Stainless Steel Standard Weights

Acoustic Standards: Class 1 Sound level Calibrator-Sound level Meter

Other Facilities

Parameter



Weighing Balance



Ph/TDS Meter



Sound



Push Pull Gauge

Force/Push Pull Gauge - Hydraulic Comparator Class 1
PH / TDS (Traceable) - Buffer Solution, Conductivity /
TDS, Bolt Tensioner, Lifting Sling, Crimping tools,
Refractometer, Pull Tester, Loadcell, Lux Meter.

CALIBRATION RANGE

Current	: 0-1000A (AC/DC)
Voltage	: 0-1000V (AC/DC)
Power	: 20.9kW (AC/DC)
High Voltage	: 28kV AC/30kV DC
Frequency	: 10 Hz to 1000 MHz
Capacitance	: 110μF
Resistance	: 1μΩ to 10GΩ
Inductance	: 10 H
Time Interval	: 24 Hrs.
Temperature controllers	: -200 to 1800°C
Oscilloscope	: 600 MHz

TYPICAL INSTRUMENTS

Multimeter
Ammeter/ Voltmeter
Clamp meter
Megger/Insulation tester
Earth Resistance tester
LCR meter
Timer/RPM Indicator
Power Supply / Power Meter
Decade boxes
Temperature controllers/Oscilloscope
TIG/MIG Welding Equipments
Hipot Tester / Data Logger
Milli & Micro Ohm meters

CALIBRATION RANGE

RTD's/Thermocouple	: -15 to 1200°C
Glass Thermometer °C	: -10 to 110°C
Furnace/Oven	: -80 to 1200°C
Humidity	: 10 to 50°C
IR Thermometer	: 50 to 500°C

TYPICAL INSTRUMENTS

Thermocouples (all types)
PRT/RTD Sensors
Glass Thermometer
Data Loggers (Humidity)
Furnaces/Ovens (TUS/SAT)
Hygrometer & Humidity Sensor
Temp. calibrators
IR Thermometer

CALIBRATION RANGE

Weighing Balance	: 0.1 mg to 1000 kg.
Sound	: 94 dB & 114 dB

CALIBRATION RANGE

Force /Push Pull Gauges Traceable:
Class 1 - 2000 N
PH/TDS (Traceable):
Buffer solutions-PH Meter: 0 to 14 pH
Conductivity/TDS 0 to 12000μS/cm



PRODUCTS



Norbar UK is one of the world's largest specialists in the field of torque tools. Norbar specialises in the manufacture and worldwide distribution of torque tools for torque tightening, measurement and calibration. With torque application tools from 0.3 to 3,00,000 N•m.



Hand Torque wrenches and Screwdrivers for Controlled Torque Tightening.



Digital Torque tools for Accurate Tightening, Quality checks and Torque Audit



Torque Multipliers : Hand Torque Multipliers, Pneumatic and Electric Torque Multipliers



Hydraulic Torque wrenches



Engineered torque tools



T - Box - 2



Torque Wrench Calibrator



True Check



Pro test

DIGITAL TORQUE WRENCH



EVOTORQUE BATTERY TOOL



Sweden

Momento is the only company in the world that manufactures machine operated sockets and accessories exclusively for impact wrenches, electric nutrunners & hydraulic wrenches.



Sockets & Adapters

PRODUCTS



Deiktis Technologies is a leading pressure gauge, temperature gauge, thermocouple and RTD manufacturer based in Gujarat, India with buyers from across the globe.



Kyoritsu is a major Japanese manufacturer known globally for producing high-quality portable electrical test measurement equipment, such as clampmeters, multimeters, insulation testers and power quality analyser's.



Additel Corporation is a leading global provider of process calibration instrumentation. They specialize in designing and manufacturing high-precision test and measurement tools including pressure calibrators, reference thermo-meters, dry-well furnaces.





Sturtevant Richmond is a leading designer and manufacturer of precision torque and error-proofing tools for the aerospace, automotive, and electronic industries. Known for inventing the deflecting beam torque wrench and the click-type wrench, they specialize in high-accuracy torque tools.



Flutech - Key Strengths

- ▶ An ISO/IEC 17025-2017, NABL Accredited calibration laboratory vide Certificate No. CC-2891
- ▶ Multi-domain and Multi-parameter calibration laboratory:
One stop offer.
- ▶ Wide calibration range in the region in key parameters.
- ▶ Leading state-of-the-art Master Standard Calibration Equipments:
Deliver Accuracy & Measurement Reliability.
- ▶ Calibration, Error Setting, Repair & Service and New products:
All under one roof.
- ▶ Deliver customized tailor made solutions and services.
- ▶ Fastest turn-around time.
- ▶ In-lab and On-site Calibration services.
- ▶ Calibration Recall Programme : Reminder service for next due calibration
- ▶ Training: Training Programme for operators on Quality checks, Operation and Safety
- ▶ Representing leading and world class brands for product distribution.



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