



INFORMATION BROCHURE

Hi-Tech Laboratory & Services
(A House of Measurement & Calibration)
(An NABL Accredited Lab)

About Us

Established in 2005; Hi-Tech Laboratory & Services (HTLS) is one of the few labs in the country which provides highest quality of Calibration and Testing Services to its customers at par with international standards ISO/IEC-17025:2005.

The HTLS located in the busiest commercial area of Bhopal; at NH-12, Opp. Barkatullah University; is also conveniently placed in the close vicinity of two important industrial hubs of Madhya Pradesh i.e. Mandideep and Govindpura industrial area.

The Promoters backed by a team of experienced qualified and skilled engineers & technicians; possess vast experience of over 20 years in doing calibration and measurement of almost all type of industrial equipments in entire country and western India.

Our motto is to provide time bound quality services to our valuable clients. To avoid transportation and handling problems for bulky equipments we provide the services at site. To ensure maximum security for your valuable equipment we adapt the modern techniques of storage and handling. Besides, our state of art Data Base relieves our clients from the worries for maintenance of Recalibration Schedules.

Objectives

- Implement Quality Management System based on ISO/IEC 17025:2005;
- Time Management;
- Total Job Satisfaction;
- Regular Up-gradation of Technical Capabilities;
- Skill Up-gradation of Personnel by Providing Training on Technical & Quality Aspects;

NABL Accreditation



Laboratory accreditation demonstrates competence, Impartiality, performance capability and international acceptance. If you are responsible for ensuring your company's product and service quality you will know that getting it right first time, every time paramount – and that the commercial and legal consequences of getting it wrong don't bear thinking about. Find out how HTLS can help you get it right. Hear are four reasons why using the services of an accredited calibration laboratory, like ours, can give you confidence that your information is accurate....

1. You can minimise the risk of unreliable results;
2. Because we use internationally recognised methods of calibration you will have data which is accepted by pretty much any regulatory body; any where in the country;
3. In the unlikely event of litigation, the use of an accredited laboratory is a powerful demonstration in court that you have exercised all due diligence in the selection and appointment of a laboratory.
4. Using HTLS could save your money: unreliable results may lead to expensive re-calibration.

Our goal is to deliver an error free product every time. Our independent QA department routinely inspects and audits our lab facilities, systems & procedures to ensure that HTLS operates in compliance with current regulations. Each calibration report is thoroughly checked by QA staff for compliance with laboratory policies, requirements and it is also checked for any possible errors or inconsistencies before being approved for release to the client. The Laboratory is continuously audited and inspected by regulatory bodies to ensure on-going compliance. These audits also provide opportunities for the sharing of ideas and solutions to any issues, which may arise.

Certificate of Accreditation



NABL

National Accreditation Board for
Testing and Calibration Laboratories
Department of Science & Technology, India

CERTIFICATE OF ACCREDITATION

HI-TECH LABORATORY & SERVICES

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

BHOPAL

in the field of

MECHANICAL CALIBRATION

Certificate Number

C-0600

Issue Date

15/01/2010

Valid Until

14/01/2012

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Alok Jain

Convenor

Dr. B. Hari Gopal

Director

Dr. T. Ramasami

Chairman



NABL

Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory HI-Tech Laboratory & Services, Bhopal

Accreditation Standard ISO/IEC 17025:2005

Field Mechanical Calibration

Issue Date 15.01.2010

Certificate Number C-0600

Valid Until 14.01.2012

Last Amended on -

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Measured Qty / Instrument	Range	*Calibration Measurement Capability (μ)	Remarks
7. DIAL THICKNESS GAUGE I.C. 0.01 mm	0 to 3 mm	7 μm	By using Slip Gauge
8. SNAP GAUGE	Up to 130 mm	10 μm	By using Slip Gauge
9. PLAIN PLUG GAUGE / H/M MASTER / HEIGHT BLOCK / WIDTH GAUGE	Up to 100 mm	3.5 μm	By using Slip Gauge, Comparison Stand & Feeler Dia
10. FEELER GAUGE / COATING THICKNESS FOL	Up to 1 mm	2.0 μm	By using Digital Micrometer
11. PRESSURE GAUGE	0 to 60 kg/cm ²	1.2% FSD	By using Digital Test Gauge with Comparator
12. VACUUM GAUGE	Up to 60 mm Hg	1.0% FSD	By using Digital Test Gauge with Comparator
AT - SITE			
1. PRESSURE GAUGE	0 to 70 kg/cm ²	1.0% FSD	By using Digital Test Gauge with Comparator
2. VACUUM GAUGE	0 to 50 mm Hg	1.0% FSD	By using Digital Test Gauge with Comparator

* Measurement Capability is expressed as an uncertainty (U) of a confidence probability of 95%

Convenor



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Measured Qty / Instrument	Range	*Calibration Measurement Capability (μ)	Remarks
AT LABORATORY			
1. EXTERNAL MICROMETER I.C. 0.001 mm I.C. 0.01 mm	0 to 100 mm 0 to 100 mm	5.0 μm 7.0 μm	By using Slip Gauge
2. DEPTH MICROMETER I.C. 0.01 mm	0 to 100 mm	10.0 μm	By using Slip Gauge and Surface Plate
3. VERNIER CALIPER I.C. 0.01 mm I.C. 0.02 mm	0 to 100 mm 0 to 100 mm	2.0 μm 2.0 μm	By using Slip Gauge and Caliper Checker
4. VERNIER HEIGHT GAUGE I.C. 0.01 mm I.C. 0.02 mm	0 to 100 mm 0 to 100 mm	15.0 μm 22.0 μm	By using Slip Gauge and 175mm Checker
5. VERNIER DEPTH GAUGE I.C. 0.02 mm	0 to 100 mm	20.0 μm	By using Slip Gauge and Caliper Checker
6. FEENCER DEAL GAUGE A DIGITAL DEAL GAUGE I.C. 0.001 mm I.C. 0.002 mm I.C. 0.01 mm	0 to 10 mm 0 to 10 mm 0 to 10 mm	3.5 μm 3.5 μm 6.0 μm	By using Slip Gauge and Comparison Stand

Convenor

Service Spectrum

PRESSURE, VACUUM & FORCE:

Pressure Gauges, Pressure Transmitters, Vacuum Gauges, Pressure Switches, Magnehelic Gauges, Dead Weight Testers, Universal Testing Machine, Tensile Testing Machine, Compression Testing Machine



DIMENSION:

Vernier Caliper, Micrometer, Height Gauge, Snap Gauge, Precision Square, Measuring Pins, Tread Plug Gauge, Paint Thickness Gauge, Feeler Gauge, Ford/Flow Cup, Plunger/Lever Dial Gauge, Workshop Grade Slip, Steel Scale, Bore Gauge, Bevel Protractor, Measuring Tape, Plain Plug Gauges/ Ring Gauge, Combination Set, Surface Plate



ELECTRICAL & THERMAL:

Voltmeter, Ammeter, Ohm Meter, Frequency Meter, Multimeter, LCR Meter, High Voltage Tester, AC/DC Clamp Meter, Watt Meter, Energy Meter, Resistance Box, Megger/ Insulation Tester, Shunt, Kelvin Bridge, CT/PT, Data Logger, Welding Machine, pH Meter, Conductivity Meter, RPM/Tachometer, Process Indicator/ Controller, Glass & Digital Thermometer



MASS, VOLUME, DENSITY & TIME:

Weighing Balance, Weight, Glass Ware, Burette Pipette, Sp. Gr. Hydrometer



MAPPING/VALIDATION:

Refrigerator, Oven, Muffle Furnace Water Bath, Autoclave, Incubator



Quality Policy



We at
Hi-Tech Laboratory &
Services are committed to
serve the highest quality of
calibration and testing services
that can be attained for our
customer through our never ending
efforts for continual improvement
for our management system
which is based on
ISO-IEC 17025:2005

Contact us

Sanjay Bais (09425009513)

Managing Director

Hi-Tech Laboratory & Services

Shivani Complex, C-4, Vidya Vihar

Opp. Barkatullah University

Bhopal-462 026, MP, India

Tel: +91-755-2410094, 4235738

Telefax: +91-755-2410094

Web: www.htls.co.in

E-mail: htlsbpl@gmail.com, info@htls.co.in

CG Region:

Atul Bais (09425603742)

Manager