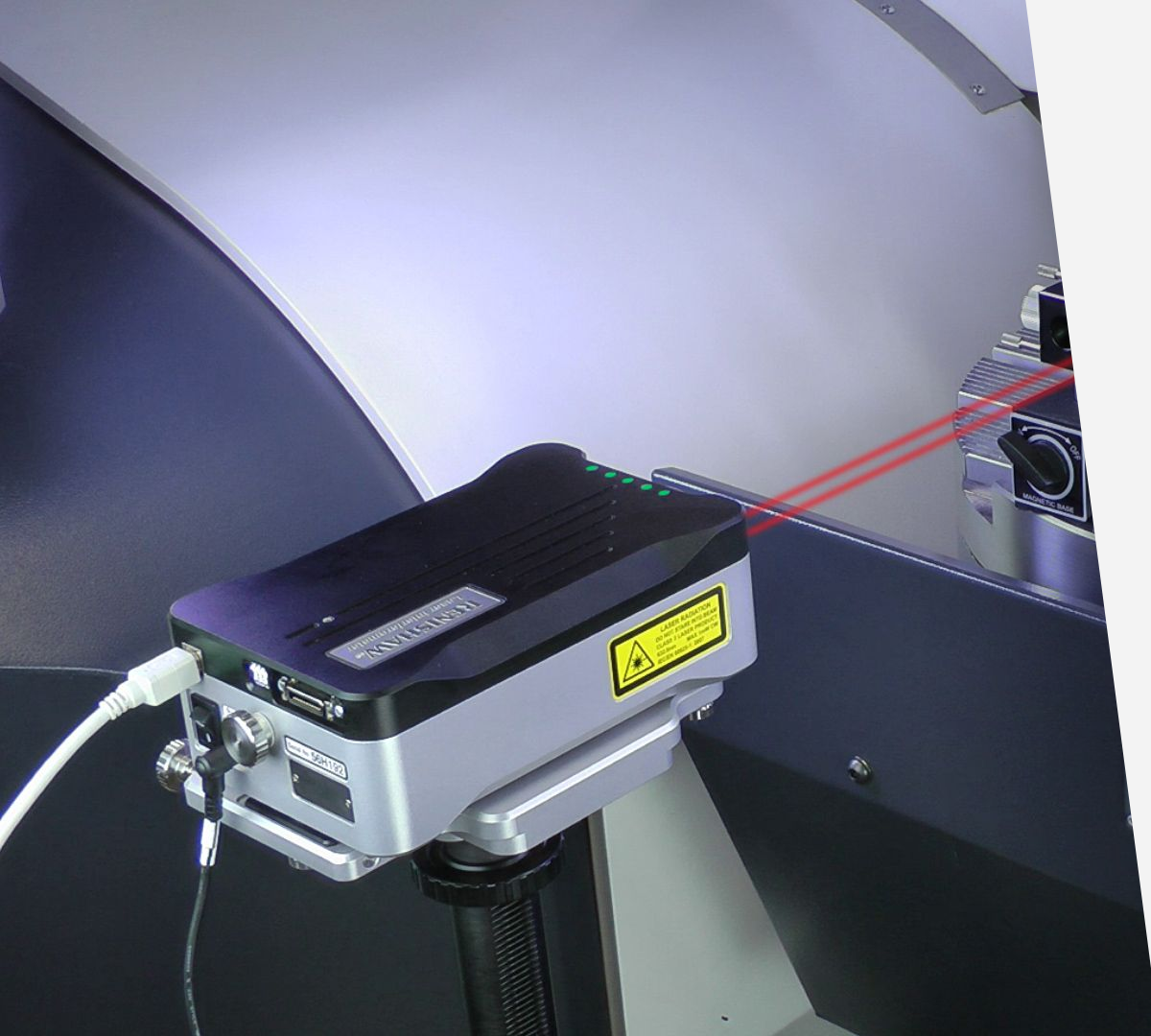




S. V. Nanometrology Pvt. Ltd.

(Formerly S. V. Engineering Centre)

Quality Increases Productivity
25+ Years of Trust



ABOUT US

Your Trusted Partner in Metrology

SV Nanometrology Pvt. Ltd. is your one-stop solution for all metrological needs!

Calibration Division

Dimensional - Precision Calibration

- Precision instruments using Laser Measuring System
- Mechanical Gauges
- Durometers (Hardness)

NABL - Accredited calibration LAB (Since 1999)
with **0.5 microns CMC.**

Manufacturing Division

Customised Gauging Solutions



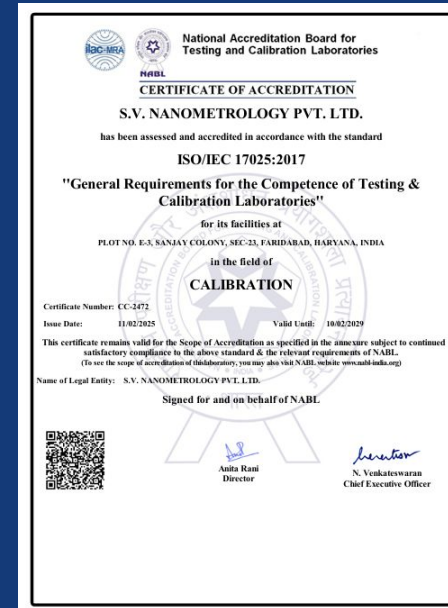
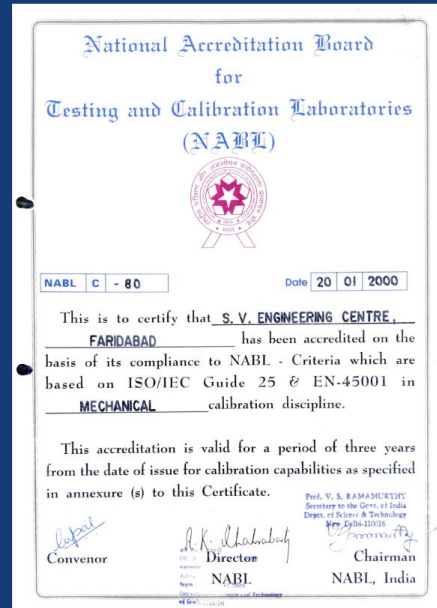


NABL Scope of Accreditation



Setting the Standard for Metrology Excellence in Bharat.

With 25+ years of expertise, we offer precision-driven manufacturing and calibration services that set the benchmark for quality and reliability.



We present you our oldest (2000) and latest (2025-29) NABL certificate (C-0080)

SOLUTIONS WE OFFER TO YOU

THREAD GAUGES

We offer Double Ended GO and NOGO Thread Plug Gauges and GO and NOGO Thread Ring Gauges with Calibration as well as NABL logo (if required, at extra cost).

- ISO Metric Thread Gauges
- Unified Thread Gauges
- ISO Parallel Pipe Thread Gauges (BSP)
- BSPT Taper Thread Gauges
- Form (B.S. Cycle Screw Gauge)
- Screw Gauge (BSW/BSF)
- B.A. Screw Gauge
- Thread Depth Gauge
- 3/4 NGT, ISO 7R & NPT Core Taper Thread Gauges
- NPT Taper Thread Gauges
- NPTF Taper Thread Gauges
- ANPT Taper Thread Gauges



ISO Metric Thread Gauges



Internal Thread Grinding Machine (Make: LINDNER)

SOLUTIONS WE OFFER TO YOU

AIR GAUGES

- Air Plug Gauges
- Air Ring Gauges
- Air Master Plug Gauges
- Air Master Ring Gauges

AIR GAUGE UNIT

- Digital Type - Single Channel, Double Channel (C-Jet, Mod 1, Mod 2 all-in-one)
- Dial Type
- Tri Column Air Electronic Unit
- C-Jet Type
- Mod-1 Type
- Mod-2 Type



Air Gauges with Air Gauge Unit



Tri Colour Column Type Air Gauge Unit

SOLUTIONS WE OFFER TO YOU

OTHER GAUGES

- Master Gauges
- Plain Gauges
- Ring Gauges
- Snap Gauges
- Width Gauges
- Taper Gauges
- Receiving Gauges
- Setting Masters
- Master Cylinder
- Taper Mandrels
- CD Gauges
- Flush Pin Gauges
- Depth Gauges



Taper Mandrel



Master Ring Gauge

We also offer Customised Gauging Solutions as per your drawing and requirements.

SOLUTIONS WE OFFER TO YOU

INSTRUMENT CALIBRATION SERVICES

By Laser Interferometer

- Coordinate Measuring Machine
- Vision Measuring Machine / Profile Projector
- Universal Measuring Microscope (ULM)
- Length Measuring Machine
- Glass Scale
- Step Gauge
- Caliper Checker
- Dial Calibration Tester
- 2D Height Measuring System
- Level Calibrator
- Long Gauge Blocks / Length Bars
- Reference Sphere
- CNC and VMC Machines
- Scale and Tape Calibrator
- Cylindrical Setting Masters

- Slip Gauge / Gauge Block
- Floating Carriage
- Rubber Hardness Tester Calibrator & Durometer
- Electronic Probes
- Optical Flat / Optical Parallel
- Surface Plate Flatness and Level
- Measuring Scale and Tape Calibration system
- Comparator Stand
- V-Blocks and more...

GAUGE CALIBRATION SERVICES

- Plug Gauges
- Ring Gauges
- Air Gauge Units
- Spline Gauges
- Receiving Gauges
- Thread Gauges
- Master Gauges

CMC = 0.1 microns

We also provide **CMM AND VMM INSPECTION SERVICES**



**Calibration of CMM using
Laser Interferometer**

OUR MACHINERY - MANUFACTURING

TOOL ROOM

- Power Hexa
- Lathe Machine
- Surface Grinding Machine
- Cylindrical Grinding Machine (350U)
- Cylindrical Grinding Machine (200U)
- Jig Boring Machine
- Drilling Machine
- Lapping Machine
- Thread Grinding Machine (External)
- Thread Grinding Machine (Internal)
- Tool and Cutter Grinding Machine

SUPPORT

- Generator
- Air Compressor System
- Surface Plate
- Bench Vice and Grinder
- 10 ton AC system
- Dust Filtration Systems
- Laser Etching Machine

QUALITY CONTROL/ CALIBRATION

- Universal Hardness Testing Machine
- Setting Masters
- Checking Gauges
- Vernier Callipers and Micrometers
- Floating Carriage
- CMM
- VMM/ Profile Projector
- Slip Gauge Box(Carbide)
- Comparator Stand
- Dial Gauges
- Bore Gauges
- Height Gauges

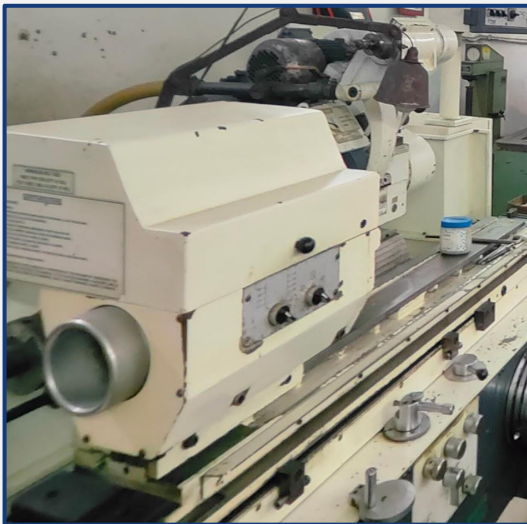


**Universal Thread
Grinding Machine
(Make: Matrix Model: 16U)**

OUR MACHINERY - MANUFACTURING



Vision Measuring Machine
(Make: Hexagon)



Cylindrical Grinding Machine
(Make: Micromatic 350U)

**All our machines have an accuracy of around 1 micron
for manufacturing best gauges in Bharat**



Jig Boring Machine
(Make: Newall Germany)



**Coordinate Measuring
Machine**
(CMM, Make: Hexagon:
Brown and Sharpe,
Explorer model)

CALIBRATION EQUIPMENT

MEASURING INSTRUMENTS

- Vernier Caliper
- Digital / Dial External Micrometer
- Internal Micrometer
- Digital / Manual Type Depth Micrometer
- Dial Gauge / Plunger Lever Type Dial Gauge
- Bore Gauge
- Height Gauge
- Depth Gauge/Depth Vernier
- Thread Pitch Micrometer
- Dial Snap Gauge
- Inside Dial Caliper
- Coating Thickness Meter / Gauge
- Slip Gauge Accessories
- Optical Flat Type A
- Thickness & Elongation Gauge
- Reference Sphere / Steel Ball
- Plain Ring Gauge
- Feeler Gauge
- Radius Gauges / Radius Chart
- Pitch Gauge
- Test Sieve
- Thread Plug Gauge
- Spline Plug Gauge
- Dial Thickness Gauge / Flush Pin Gauge
- Bevel Angle Protector
- Clinometers / Inclometers
- Theodolite
- Angular Graticule
- Gauge Blocks
- Digital / Dial Calibration Tester
- Electronic Probe



2D Height Master
(Make: Tesa, Range: 600 mm)

CALIBRATION EQUIPMENT

EQUIPMENT

- Length Standard - Setting Rods
- Extensometer
- Calibrator/Micrometer Head
- Depth/Inside Micro Checker
- Raiser Block
- Angle Plate
- Box Plate
- Engineer's Square/ Tri Square
- Measuring Scale
- Measuring Tape/PI Tape/ Count Meter
- Standard Foil Set
- Level Calibrator
- Comparator Stand
- V Block
- Cylindrical Square/ Master Cylinder
- Combination Set
- Cone
- Plain/Taper Mandrel
- Ball Bar System
- Step Gauge
- Floating Carriage DMM
- Surface Plate
- Straight Edge
- Bench Centre
- Gauge Block Comparator
- Length/Universal Measuring Machine
- Profile Projector/Vision Measuring Machine
- Tool Maker/Universal Measuring Microscope
- 3D Coordinate Measuring Machine
- Laser Interferometer



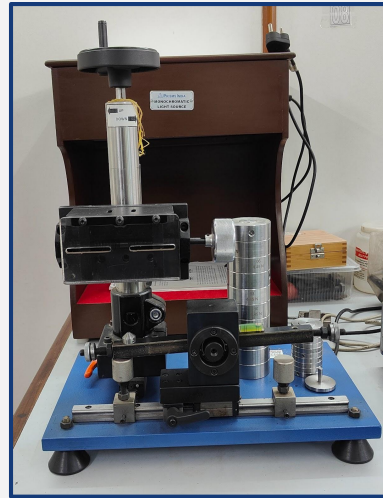
**Floating Carriage Diameter
Measuring Machine
(Make: Octagon)**

CALIBRATION EQUIPMENT



**Length Measuring Machine
(LMM, Make: Octagon)**

**CMC = $(0.09 + (L/10)) \mu\text{m}$;
where L is in m**



**Rubber Hardness
Tester Calibrator
(Make: Sushma)**

CMC = 0.39 Shore A



**Gauge Block Comparator
(Make: KPC)**

CMC = $0.03 \mu\text{m}$

CALIBRATION EQUIPMENT



**Universal Length Measuring Machine
(Make: SIP Germany)**

**CMC = $(0.21 \times L / 1000) \mu\text{m}$;
Where L is in mm**



**Laser Interferometer with
its accessories
(XL 80, Make: Renishaw)**

CMC = $0.009 \mu\text{m}$



**Step Gauge / Check Master
with Surface Plate
(Make: Micronix)**

CMC = $0.22 \mu\text{m/m}$

EXPANSION PLANS

- **Proficiency Testing Services** - Expanding PT services to enhance calibration accuracy in accordance with ISO 17043
- **New Facility Area** - Acquired a 13500 sq. ft. plot to increase production capacity and innovation.
- **Automation** - Optimising decision-making and workflow efficiency through data analysis and automating repetitive tasks, implementing **Industry 4.0**
- **In-house Sub Zero Treatment** - To lower delivery times and costs with better quality control
- **Training Institute** - Establishing a dedicated training centre to develop skilled professionals.
- **Increased Production Efficiency**- Scaling up manufacturing to meet growing industry demands by automation and the sciences of systems.
- **Export** - Planning to start export



Manufacturing Unit - II

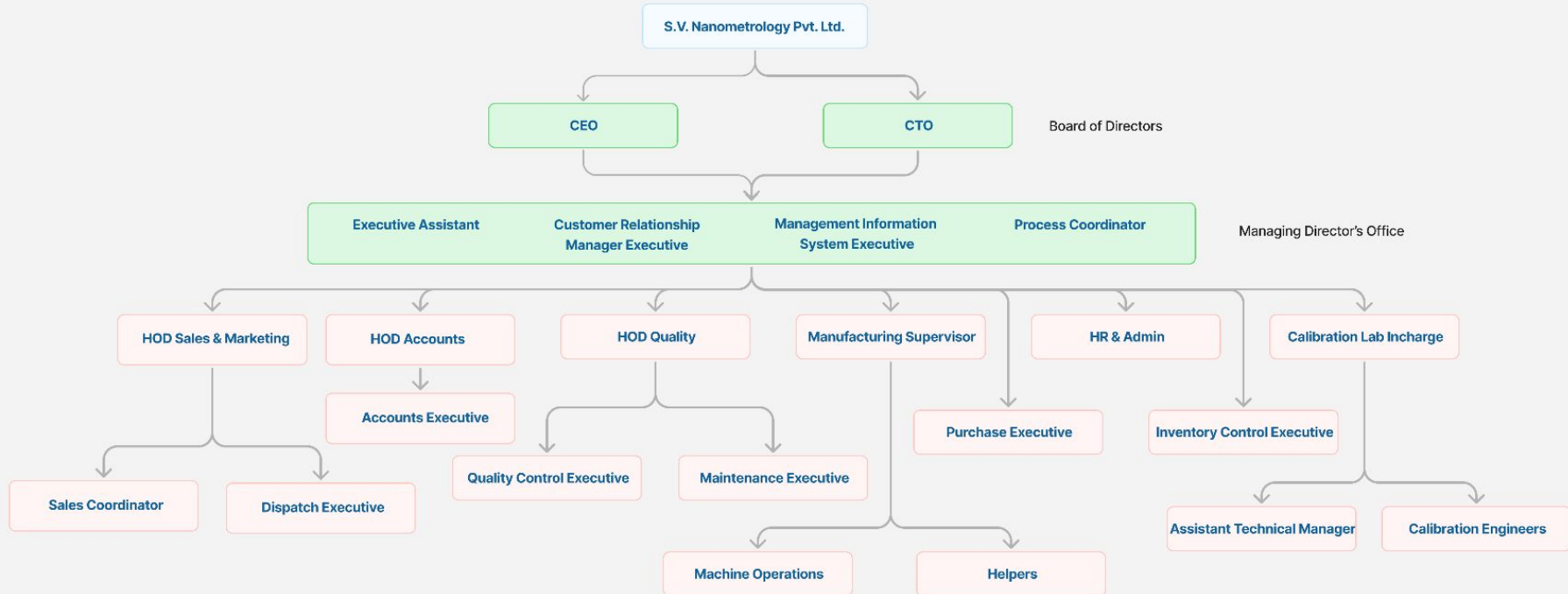
**S-21, Adore Business City, Sector
72-73, Greater Faridabad**

OUR ESTEEMED CLIENTS



And many more...

ORGANISATIONAL STRUCTURE





OUR JOURNEY OF EXCELLENCE

1

1999

Collaborated with NPL
Delhi to establish a
NABL-Accredited
Calibration LAB

2

2000

Began Manufacturing
Plug and Ring Gauges
with a Small Setup

3

2016

Began Manufacturing
Air Gauges and
procured Hexagon
Browne and Sharpe
CMM

4

2019

Procured Renishaw
Laser Interferometer -
one of the best
calibration equipment
in the world

5

2024

Converted Company
Ownership from
Proprietorship to Pvt.
Ltd.

6

PRESENT

Have implemented a
World-Class Quality
Management System

MISSION

To provide our customers with the highest quality calibration services, utilizing the best technology and the latest quality management standards. We are committed to providing our customers with Accurate, Reliable, and Consistent results to our customers.



VISION

Our vision is to be the best calibration laboratory in linear dimension, recognized for our quality, accuracy, and customer service. We will continue to improve our skill and technologies to ensure the best results delivered to our customers.

QUALITY POLICY

Precision in Every Measure –
Excellence in Every
Outcome.

At S.V. Nanometrology Pvt. Ltd., we uphold the highest standards in **metrology and calibration** to ensure precision in every measurement. Our **ISO/IEC 17025: 2017 accreditation** reflects our dedication to **accurate, reliable and consistent results** in all our services.

Key Principles of Our Quality Policy:

- Adherence to **international calibration standards**
- Use of **state-of-the-art equipment** for precise results
- **Highly trained professionals** ensuring quality assurance
- Continuous improvement through **customer feedback & innovation**

With a strong focus on **excellence and traceability**, we strive to exceed industry expectations and deliver unmatched calibration solutions.



S. V. Nanometrology Pvt. Ltd.

Plot No. 8-3, Sarajay Colony, Friends Industrial Complex Street, Sector 23, Faridabad - 121005
E-mail : svnanometrology@gmail.com, nileshmangal10@gmail.com, Mobile : 987287968

Quality Policy

M/s S.V. Nanometrology Pvt. Ltd. is committed to provide **accurate, reliable, consistent, and timely calibration services** to our customers. We are committed to meeting the requirements of **ISO/IEC 17025**, the international standard for the competence of testing and calibration laboratories.

We will achieve this by:

- Maintaining a highly trained and competent staff
- Using state-of-the-art equipment and procedures
- Continuously improving our quality management system
- Providing excellent customer service
- Maintaining traceability to National and International standards

We also work to continuously improve our **quality management system**. We will regularly review our procedures and make changes as needed to ensure that we are providing the best possible service to our customers.

We are committed to providing **excellent customer service**. We work with our customers to understand their needs and provide them with the services they need to meet their requirements.

We ensure that all personnel involved in calibration activities are **highly skilled, properly trained, and continuously updated** on the latest standards and techniques. Our laboratory is equipped with **state-of-the-art equipment and procedures** to ensure the **highest accuracy and reliability** of calibration results.

Integrity and Impartiality: We uphold the highest standards of ethics and integrity in all our operations. We ensure **impartiality and confidentiality** in all our calibration activities, guaranteeing that all clients are treated with fairness and respect.

We believe that our quality policy is essential to our success. We are committed to providing our customers with the **highest quality calibration services** possible.

Nilesh Mangal

C.E.O. / Managing Director

QUALITY OBJECTIVES

In order to achieve our quality policy, we have set the following quality objectives:

Continuous improvement of Quality Management

To continuously improve our Quality Management System and developing new practices to provide best results.

Customer Satisfaction

To achieve complete customer satisfaction by regular feedback and quality calibration practices

Accurate, Reliable and Consistent results

Ensuring precision in every calibration through strict quality control and advanced methodologies.

Enhance Calibration Results

To continuously improve the quality of our calibration practices and results.

CONNECT WITH US!

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🌐 www.svnanometrology.com

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Scan to receive
more details:



Mr. Nilesh Mangal

Director / CEO

Mr. Phalaksh Mangal

Director / CTO

