



S. V. Nanometrology Pvt. Ltd.

(Formerly S. V. Engineering Centre)

Quality Increases Productivity

25+ Years of Trust



TABLE OF CONTENTS



Overview of manufacturing and calibration capabilities.

04 OUR PRODUCTS & SERVICES

Precision instruments, dimensional calibration, and more.



Technology-driven workflows for seamless operations.



Advanced equipment and state-of-the-art facilities.



Our purpose, goals, and dedication to precision and reliability.



Trusted by major clients and our vision for growth.



ABOUT US

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











Certificate and Scope of Accreditation



Our NABL Certificate and Scope

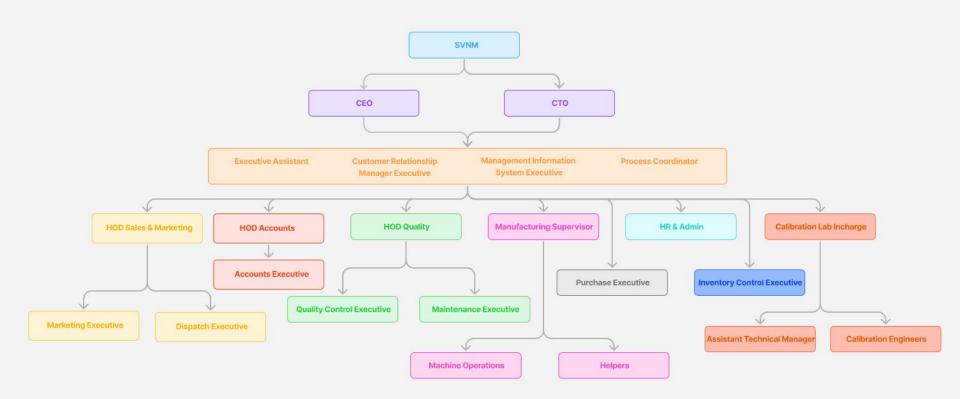
Setting the Standard for Metrology Excellence in Bharat.

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 NABL certificate of the year 2000 (C-0080)

ORGANISATIONAL STRUCTURE



OUR JOURNEY OF EXCELLENCE



1999 Collaborated with NPL

Delhi to establish a NABL-Accredited Calibration LAB



2000

Began Manufacturing Plug and Ring Gauges with a Small Setup



2016

Began Manufacturing
Air Gauges and
procured Hexagon
Browne and Sharpe
CMM



2019

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



2024

Converted Company Ownership from Proprietorship to Pvt. Ltd.



PRESENT

Have implemented a World-Class Quality Management System



Delays in receiving materials/services from vendors?

We've got you covered!

We enter data using **Google Forms** and efficiently **manage & maintain** it for seamless tracking and on-time deliveries.

Calibration Order to Delivery FMS

					Step	-1			Step -	2			Ste	p - 3	
What	Order received, Challan Entry in challan file, SRF Form filled for FM			Decide where the c	alibration will be do	ne - CMM Ro	om/ Laboratory	UNPACKING AN	ND CLEANING (PRESE	RVE BOX)		SOAKING A	T 20C AND RECOR	SHEET PR	EPERATION
Who	Anita			ANITA				SHIVAM / KULE	DEEP			SHIVAM			
How	https://forms.gle/mtUd7aDXgyDFFYog9														
When	ANYTIME			00:15:00				00:30:00				01:00:00			
Timestamp	Service I Customer Name	Equipment	If Calibration In house or Onsite	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay
#REF!	,				11/13/2024	Done			11/13/2024	Done)1		11/13/2024	Done	
					11/13/2024	Done			11/16/2024	Done			11/16/2024	Done	
					11/16/2024	Done			11/16/2024	Done			11/16/2024	Done	

	Step - 4				Step -	5			Step - 6				Step - 7				Step - 8		
CALIBRATION an	d give the record sheet to \$	Shivam for cer	ificate	CERTIFICATE P	REPERATION			CERTIFICATE CHE	ECK AND APPROVE			Draft copy to cus	tomer and wait for approvel	or do if any ch	anges required	calibration, update	Sheet, Certificate PDF in certificate all the documents attached in equiting, traceability, correction factor)		
VIKRANT/ YASH	Vaibhav Sir			SHIVAM				Nilesh Sir / Anita				Anita				Priyanka / Vishal			
Work Instructions																https://docs.google	com/spreadsheets/d/1jE8t9le-Jnl	ol zbymSQzl0	2fUcnWZhj9iTlguv-
1				00:30:00				00:30:00				1				00:30:00		-	
Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay
	11/15/2024	Done			11/15/2024	Done			11/15/2024	Done			31/01/2025 09:29	Done			1/4/2025 14:42:28	B Done	
	11/16/2024	Done			11/16/2024	Done			11/16/2024	Done			31/01/2025 09:31				1/4/2025 14:43:23		1
	11/16/2024	Done	7		11/18/2024	Done			11/18/2024	Done			31/01/2025 09:3				1/4/2025 14:43:24		-

	Step -	9			Ste	p - 10			Ste	p - 11	100		Step -	12			Step	- 13		Step - 14
STICKER ON IT	EM/ CERTIFICATE			INVOICING	(BILLBOOK APP)			COMPILING	ALL DOCUMENTS	IN THE FOLD	ER	PACKING [SAMI	BOX]			DISPATCHIN	G with Challan, send	ding message to	contact person w	1
ANITA / Shivam				Shivam				ANITA				KULDEEP				KULDEEP, C	RM			
				BILLBOOK A	APP											https://forms	gle/roetEt42Pv8zpJv	/S7		For CRM FMS
00:10:12				00:30:00				00:30:00				00:30:00				00:30:00				
Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Get Pre-Filled Link For CRN
	11/15/2024	Done			11/15/2024	Done			11/15/2024	4 Done			11/15/2024	Done			11/15/2024	Done		Link
	11/16/2024	Done			11/16/2024	Done			11/16/2024	4 Done			11/16/2024	Done			11/16/2024			Link
	11/18/2024	Done			11/18/2024	Done			11/18/2024	4 Done			11/18/2024	Done			11/18/2024			Link

Delays in receiving materials/services from vendors?

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Manufacturing Order to Delivery FMS

							Step - 1				Step - 2					Step - 3		
	Order receive, send PO to Anita, Entry in OMS and FMS 2 Google form	1				Check Inventory, if Yes	Go to Split FMS, if NO, give	to Vikrant		Study drawing, ma	ke drawing and process or	ler to Nandan		Drawing	Make Operation Pro	cess Chart / PMS (Order	wise job card) with Nandan
Who	Nilesh sir and Anita					Yash				Vikrant					Yash			
How																		
When	ANYTIME					00:30:00				03:00:00					01:00:00			
Timestamp	Order no. Company name	Product	Quantity	Location	Lead time (days)	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay		Planned	Actual	Status	Time Delay
#REF!						#REF!	11/11/2024 15:54:42	No	#REFI	#REF!	28/10/2024 14:25:48	Done	#REF!	1	#REF!	28/10/2024 14:32:11	Done	#REF!
							11/11/2024	No			11/11/2024	Done				11/11/2024	Done	
							11/11/2024	No			08/01/2025	Done				08/01/2025	Done	

			Step - 4					Step - 5				Step - 6		
Operation Chart	Lead time	Manufacturing (Operations with CMM QC					passed - OPC checklist, pass i ducing invoice and inspection /			Perform Laser I	tching accoridng to OPC and p	pass it for pag	cking
		Nandan/ Yash					Vikrant, Yash				Kuldeep/Yash			
							SOP For Ai	r Gauge Quality Alerts.pdf						
		0					1				01:00:00			
		Planned	Actual	Status	Time Delay	Delay FMS	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay
			19/11/2024 09:30:14	Done				28/10/2024 14:38:20	Yes			28/12/2024 16:07:21	Done	
			26/12/2024	Done				26/12/2024	Yes			28/12/2024 16:07:28	Done	
			08/01/2025	Done				08/01/2025	Yes			08/01/2025 14:58:59	Done	

	Step -	- 7	N.		Step -	8			Step -	9	1.1		Step -	10		Step - 11
Inspection / Cal	ibration Report			Packing				Invoicing				Dispatching				
Shivam/Vikrant				Kuldeep				Shivam				Anita				
												https://forms.gle/SXVyZTmtQ6sduLgU7				
01:00:00				01:00:00				01:00:00				01:00:00				-
Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Get Pre Filled For CRM
	28/10/2024	Done			28/10/2024	Done			28/10/2024	Done			28/10/2024	Done		Link
	26/12/2024	Done			26/12/2024	Done			26/12/2024	Done			26/12/2024	Done		Link
	08/01/2025	Done			08/01/2025	Done			08/01/2025	Done			08/01/2025	Done		Link

Delays in receiving materials/services from vendors?

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On-time delivery tracking sheet

Prom	nised Month	Decembe	er 2024		
Order ID =	Promised Month =	Promised Date of Delivery (MM/DD/YYY Y)	Actual Date of Delivery (MM/DD/YYY Y) =	No of Days Delayed =	Is the Delivery Late (Y/N)
SV/14	December 2024	13/12/2024			N
SV/17	December 2024	12/12/2024	03/12/2024		N
SV/18	December 2024	12/12/2024	10/12/2024		N

Do you not receive information on time?

We use automated systems for timely information delivery to solve this issue!

We also ensure that customers receive timely, **automated reminders before their instrument's due date**, enhancing reliability and service efficiency.

We use quality management techniques like **Kaizen** and **Poka-Yoke** to minimize chances of errors We utilize six specialized databases to ensure efficient data management and timely customer notifications namely:

- Certificate Database
- Personnel Database
- Equipment Database

- Parameter Database
- Process Database
- Document Database

Equipment Database

Туре	Equipment ID	Equipment Name	Type of Equipment (NABL Application)	Standard Maintained	Make	Year of make		Size/Range/		Person	Person	(Metrological	Equipment history card (latest - word)
Master Equipment - Outside		Optical Flat	Outside - Calibration Agency	CMTI	Mitutoyo	1998	03-09-1998	45 mm	NA			Flatness Interferometer	Optical Flat History Card.docx
Master Equipment - Outside	SV - 50	Laser Interferometer	Outside - Calibration Agency	NPL India	Renishaw	2019	28-02-2019	0 to 30 meters	0.001 μm				Laser Interferometer History Card.docx
Master Equipment - Outside		Gauge Block	Outside - Calibration Agency	NPL India	Mikronix	2018		0.5 – 100 mm (115 No. s)	NA				Gauge Block History Card.docx

Old equipment History Card (inc. date of purchase)	IS Standard	Date of Calibration			Calibration from	Location		Acceptence Criteria	documents	Calibrated by
sv 25 history							_ Optical Flat -			Inside -
card.pdf	IS:5440-2010	05/04/2024	,phalakshma	05/05/2026	CMTI	Laboratory		0.5 um		Inhouse
history card							laser interferometer.pd			Outside -
laser.pdf		16/12/2022	,phalakshma	16/12/2025	NPL India	Laboratory		0.5 c / 5 %		External
						Laboratory				
	70 2004 2000	07.05.2024	1.1.1.1	06/05/2026	ADD To 1'-	(06.3)	Gauge Block -	0.24		Outside -
	IS:2984-2008	07.05.2024	,phalakshma	06/05/2026	NPL India	(06-i)	NPL.pdf	0.24 um		External

Do you need to follow up after placing an order?

We prioritize seamless communication and hassle-free coordination by providing each client with a **dedicated CRM** tailored to their specific needs. This ensures transparency, efficient order tracking, and a smooth customer experience from order placement to delivery. Our CRM system simplifies interactions, reduces the need for manual follow-ups, and enhances overall service reliability.

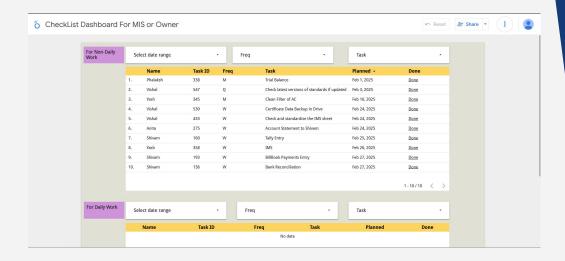
To further optimize our process, we utilize a dedicated **CRM FMS** that automates delivery updates through messages and emails. This system keeps clients informed at every stage, minimizing delays and uncertainties. By integrating automation into our workflow, we enhance customer satisfaction, improve operational efficiency, and ensure a seamless, well-managed experience.



		Step - 2				Step - 3		9			Step - 4	
Confirm Ord	der Delivery (sen	d message for dis	spatch)	In case the c	delivery is late, ir	nform the custome	er and make a sorry o	e e	Part /Full Pa	yment Record		
CRM				CRM					CRM			
				Find paymer	nt lead time in in	voice / billbook, ir	sert in colunmn O		Check from	account stateme	ent, entry in billboo	ok - payment received
		00:30:00									1	
Planned	Actual	Status	Time Delay	Planned	Actual	Status	Time Delay	Followup Sheet	Planned	Actual	Status	Time Delay

We maintain the highest quality standards through extensive checklists at every stage of our process. From raw material inspection to final checks, our structured approach ensures accuracy, consistency, and reliability. This system helps identify and resolve issues early, guaranteeing top-notch products for our customers.

To enhance efficiency, we provide employees with individual dashboards that integrate these checklists into their daily tasks. These dashboards enable real-time tracking, task management, and automated alerts, minimizing human error and ensuring smooth operations. This structured approach strengthens accountability and streamlines workflow across departments.



Is inconsistent quality affecting your experience?

We will make sure it doesn't!

Does your vendor delay orders due to material shortages?

Inventory Management will never be an issue from our end! We use a world-class Inventory Management System to manage our inventory!

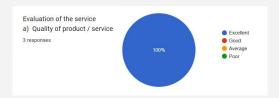


Date	Order ID	SKU	Material Name	Length/Qty req. (mm/units)	Transaction Type(In/Out)	Raw Material Cost	Other than raw material cost - Total
------	----------	-----	---------------	-------------------------------	--------------------------	----------------------	--

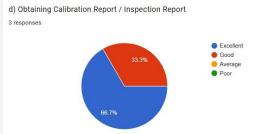
				Min/Re-Order		Manual Purchasing
SKU	Material Name - diameter (mm) Material Description	Location within(Store)	Max	Level	Total Cost	Cost Entry per unit

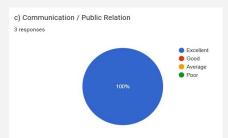
We value our customers and respect their feedback!

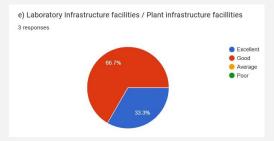














MISSION

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.



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

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

Management

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.



OUR PRODUCTS



AIR GAUGES

- Air Plug Gauges
- Air Ring Gauges
- Air Master PlugGauges
- Air Master RingGauges

AIR GAUGE UNIT

- Digital
- Dial Type
- Tri Column
- C-Jet
- Mod-1
- Mod-2

OTHER GAUGES

- Master Gauges
- Plain Gauges
- Ring Gauges
- Snap Gauges
- Width Gauges
- Taper Gauges
- Receiving Gauges
- Special Gauges as per drawing
- Setting Masters and Master Cylinder
- Mandrels
- CD Gauges
- Flush Pin Gauges
 - Length Gauges

THREAD GAUGES

- 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



OUR SERVICES

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

We provide CMM AND VMM INSPECTION SERVICES also





MANUFACTURING MACHINERY INFRASTRUCTURE

Thread Grinding Machine



TOOL ROOM

- Power Hexa
- Lathe Machine
- Surface Grinding Machine
- Cylindrical Grinding Machine
- Jig BoringMachine
- Drilling Machine
- Lapping Machine
- Thread Grinding Machine
- Laser EtchingMachine
- Tool and Cutter Grinding Machine

QUALITY CONTROL/ CALIBRATION

- Universal HardnessTesting 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

SUPPORT

- Generator
- Air CompressorSystem
- Surface Plate
- Bench Vice and Grinder
- 10 ton AC system
- Dust FiltrationSystems

CALIBRATION EQUIPMENT

MEASURING INSTRUMENTS

- 1. Vernier Caliper
- 2. Digital / Dial External Micrometer
- 3. Internal Micrometer
- 4. Digital / Manual Type Depth Micrometer
- 5. Dial Gauge / Plunger Lever Type Dial Gauge
- 6. Bore Gauge
- 7. Height Gauge
- 8. Depth Gauge/Depth Vernier
- 9. Thread Pitch Micrometer
- 10. Dial Snap Gauge

- 11. Inside Dial Caliper
- 12. Coating Thickness Meter / Gauge
- 13. Slip Gauge Accessories
- 14. Optical Flat Type A
- 15. Thickness & Elongation Gauge
- 16. Reference Sphere / Steel Ball
- 17. Plain Ring Gauge
- 18. Feeler Gauge
- 19. Radius Gauges / Radius Chart
- 20. Pitch Gauge

- 21. Test Sieve
- 22. Thread Plug Gauge
- 23. Spline Plug Gauge
- 24. Dial Thickness Gauge / Flush Pin Gauge
- 25. Bevel Angle Protector
- 26. Clinometers / Inclinometers
- 27. Theodolite
- 28. Angular Graticule
- 29. Gauge Blocks
- 30. Digital / Dial Calibration Tester
- 31. Electronic Probe

CALIBRATION EQUIPMENT

EQUIPMENT

 Length Standard - Setting Rods

2. Extensometer

Calibrator/Micrometer Head

3. Depth/Inside Micro Checker

4. Raiser Block

5. Angle Plate

6. Box Plate

7. Engineer's Square/ Tri Square

8. Measuring Scale

9. Measuring Tape/PI Tape/

Count Meter

10. Standard Foil Set

11. Level Calibrator

12. Comparator Stand

13. V Block

14. Cylindrical Square/

Master Cylinder

15. Combination Set

16. Cone

17. Plain/Taper Mandrel

18. Ball Bar System

19. Step Gauge

20. Floating Carriage DMM

21. Surface Plate

22. Straight Edge

23. Bench Centre

24. CNC Machine Tools

25. Gauge Block

Comparator

26. Length/Universal

Measuring Machine

27. Profile Projector/Vision

Measuring Machine

28. Tool Maker/Universal

Measuring Microscope

29. 3D Coordinate

Measuring Machine

30. Laser Interferometer





EXPANSION PLANS

NEW FACILITY Acquired a 3,400 sq. ft. **plot** to support growth PT SERVICES and innovation **Expanding Proficiency** TRAINING **ENHANCED** Testing (PT) services to INSTITUTE enhance calibration **EFFICIENCY** accuracy. Establishing a Adopting automation for dedicated training **ENHANCING** greater precision. center to develop MIS skilled professionals. Optimizing **INCREASED** decision-making and **PRODUCTION** workflow efficiency Scaling up through continuous MIS manufacturing to meet growing industry demands

OUR ESTEEMED CLIENTS



















CONNECT WITH US!

- ♥ Plot No. E-3, Friends Industrial Complex, Sanjay Colony, Sector 23, Faridabad, Haryana, India (121005)
- info@svnanometrology.com

Visit us at our office:





Mr. Nilesh Mangal

Director / CEO

4+91 - 9873267048

™ nileshmangal18@gmail.com

Mr. Phalaksh Mangal

Director / CTO

+91 - 9873437048

□ phalakshmangal@svnanometrology.com



www.svengineeringcentre.in www.svnanometrology.com

