National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 1 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Reference Sphere / Steel Ball	Using Laser Measuring System with LMM By Comparison Method	Upto 100 mm	0.05 µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit L.C: 0.0005 mm / 0.001 mm	Using Plain Plug/ Ring Gauge (Type A,B,C) By Comparison Method	+/- 0.04 mm	0.25 µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit (Digital) L.C: 0.0001 mm	Using Plain Plug / Ring Gauge (Type A,B,C) By Comparison Method	± 0.1 mm	0.96 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit (Digital/Dial) L.C: 0.002 mm	Using Plain Plug / Ring Gauge (Type A,B,C) By Comparison Method	± 0.08 mm	1.41 µm
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Gauge (Angle or Error in Angle)	Using Sine Bar, Gauge Block, Master Cylinder & 2D height Gauge By Comparison Method	0° to 90° to 0°	1.1 sec
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Gauge(Error in Angle)	Using CMM By Comparison Method	0° to 90° to 0°	7.35 sec

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 2 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate (Squareness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6.0 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate (Squareness)	Using CMM By Comparison Method	Upto 500 mm	3.6 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Flatness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6.0 µm
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Flatness)	Using CMM By Comparison Method	Upto 500 mm	3.6 µm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Parallelism)	Using Gauge Blocks & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6.0 µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Parallelism)	Using CMM (By Comparison Method)	Upto 500 mm	3.6 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 3 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre (Co-axiality)	Using Standard Mandrels & Lever Type Dial Gauge By Comparison Method	Upto 1000 mm	4.4 µm
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre (Parallelism)	Using Standard Mandrels & Lever Type Dial Gauge By Comparison Method	0 to 1000 mm	4.4 µm
15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Angle Protector (Digital / Manual) L.C. 0.1 min / 5 min	Using Standard Angle Gauge By Comparison Method	0° to 180° to 0°	0.3 min
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Angle Protector (Digital / Manual) L.C: 0.1 min / 5 min	Using CMM By Comparison Method	0° to 180° to 0°	1.5 s
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Block Squares (L.C: 0.001 µm) (Flatness)	Using Cylindrical Square & electronic Probe (By Comparison Method)	Upto 450 mm	3.21 µm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Block Squares (Squareness) L.C: 0.001 µm	Using Cylindrical Squares & Electronic probe(By Comparison Method)	Upto 450 mm	3.21 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 4 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (2 Point) L.C.: 0.001 mm	Using Dial Calibrator Tester/ Gauge Blocks By Comparison Method	Upto 2 mm	0.7 µm
20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (3 Point) L.C.: 0.001 mm	Using Master Ring Gauge By Comparison Method	Upto 160 mm	0.9 µm
21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Flatness)	Using Gauge Blocks & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6.0 µm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Flatness)	Using CMM (By Comparison Method)	Upto 400 mm	3.6 µm
23	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Parallelism)	Using Gauge Blocks & Cylindrical Square(By Comparison Method)	Upto 450 mm	6.0 µm
24	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Parallelism)	Using CMM By Comparison Method	Upto 500 mm	3.6 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 5 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Squareness)	Using CMM By Comparison Method	Upto 400 mm	3.6 µm
26	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Squareness)	Using Gauge Blocks & Cylindrical Square(By Comparison Method)	Upto 450 mm	6.0 µm
27	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Clinometers / Inclinometrs L.C.: 1 min	Using Sine Bar, Gauge Blocks By Comparison Method	0 ° to 360 °	35 s
28	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	CNC Machine Tools	Using Laser Measuring System By Comparison Method	0 to 10 m	(0.5+L/1000) µm, where (L is in mm)
29	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge L.C.: 0.0001 mm	Using Standard Foils. By Comparison Method	0.009 mm to 2 mm	0.5 µm
30	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set L.C: 30 min / 1°	Using Sine Bar / Gauge Block & Angle Gauges By Comparison Method	0° to 180 °	35 min

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 6 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
31	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator stand (Flatness)	Using Gauge Block , Optical Flat, Dial Gauge Spirit Level 10µm/m By Comparison Method	500 mm x 500 mm	2.0 µm
32	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cone (Angle)	Using CMM By Comparison Method	Upto 360 °	1.64 s
33	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/ Master Cylinder (Straightness)	Using CMM (By Comparison Method)	Upto 700 mm	4 µm
34	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/ Master Cylinder (Flatness)	Using CMM (By Comparison Method)	Upto 700 mm	4 µm
35	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/ Master Cylinder (Squareness)	Using CMM By Comparison Method	Upto 700 mm	4 µm
36	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/Master Cylinder (Straightness)	Using Gauge Blocks, Lever Dial & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 7 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
37	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/Master Cylinder (Flatness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6 µm/m
38	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/Master Cylinder (Squareness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6 µm/m
39	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge/Depth Vernier L.C 0.001 mm	Using Gauge Blocks &Length Bars. (By Comparison Method)	Upto 500 mm	5.1 µm
40	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth/Inside Micro Checker (L.C.-0.001 mm)	Using 2 D Height Gauge with Laser Measuring System By Comparison Method	Upto 300 mm	1.8 µm
41	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth/Inside Micro Checker (L.C.-0.001mm)	Using Gauge Block & Electronic Probe. (By Comparison Method)	Upto 300 mm	0.82 µm
42	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge / Plunger Lever Type Dial L.C 0.001 mm	Using Dial Calibrator Tester/ Gauge Blocks (By Comparison Method)	Upto 25 mm	0.292 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 8 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
43	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge L.C.: 0.001 mm	Using Gauge Blocks By Comparison Method	Upto 200 mm	1.0 µm
44	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge/ Flush Pin Gauge L.C 0.001 mm	Using Gauge Blocks (By Comparison Method)	0 to 25 mm	0.8 µm
45	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial/Digital Plunger (L.C 0.0001 mm)	Using Laser Measuring System (By Comparison Method)	Upto 25 mm	0.22 µm
46	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digital / Dial External Micrometer (Flange Type/Ball Type/V-Type/Pointed Type) L.C.: 0.0001 mm	Using Gauge Blocks/ Setting Masters & Optical Flat.(By Comparison Method)	Upto 50 mm	0.2 µm
47	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digital / Dial Plunger/ Lever Type Gauge L.C.: 0.0001 mm	Using LMM By Comparison Method	0 to 25 mm	0.14 µm
48	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digital /Manual Type Depth Micrometer L.C. 0.001 mm	Using Gauge Blocks. (By Comparison Method)	Upto 300 mm	1.1 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 9 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
49	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge (Thickness)	Using Digital Caliper (By Comparison Method)	14.7 mm to 81.0 mm	10.58 µm
50	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge (Thickness)	Using Digital Caliper (By Comparison Method)	4.8 mm to 33.90 mm	10.58 µm
51	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Straightness)	Using Gauge Blocks & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6.0 µm/m
52	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Straightness)	Using CMM (By Comparison Method)	Upto 500 mm	3.6 µm
53	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Parallelism)	Using Gauge Blocks & Cylindrical Square(By Comparison Method)	Upto 450 mm	6.0 µm/m
54	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Parallelism)	Using CMM By Comparison Method	Upto 500 mm	3.6 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 10 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
55	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Squareness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6.0 µm/m
56	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Squareness)	Using CMM By Comparison Method	Upto 500 mm	3.6 µm
57	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer L.C. 0.001mm	Using Gauge Block & Electronic Probe. (By Comparison Method)	Upto 150 mm	0.4 µm
58	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer Calibrator/Micrometer Head L.C. 0.1µm	Using Gauge Block & Electronic Probe. (By Comparison Method)	Upto 50 mm	0.11 µm
59	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C 0.001 mm	Using Gauge Blocks ,optical flat & Length Bars. (By Comparison Method)	300 mm to 500 mm	1.55 µm
60	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C 0.01 mm	Using Length Bar. (By Comparison Method)	500 mm to 1500 mm	4.24 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 11 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
61	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C 0.001 mm	Using Gauge Block, Length Bar & Optical Flat. (By Comparison Method)	100 mm to 300 mm	1.30 µm
62	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer Digital/Dial L.C.: 0.001 mm	Using Gauge Blocks & Optical Flat By Comparison Method	0 to 100 mm	1.2 µm
63	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Filler Gauge (Thickness)	Using Digital Micrometer (By Comparison Method)	0.01 mm to 10.0 mm	1.4 µm
64	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge L.C-0.01 mm	Gauge Blocks / Length Bar ,Electronic Probe & Surface Plate. (By Comparison Method)	Upto 1500 mm	6.52 µm
65	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Dial Caliper L C.: 0.010 mm	Using Caliper Checker By Comparison Method	5 mm to 95 mm	8.0 µm
66	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer L.C 0.001 mm	Using Caliper Checker , Gauge Blocks & Optical Flat. (By Comparison Method)	5 mm to 50 mm	0.8 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 12 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer L.C 0.001 mm	Using Gauge Blocks,Optical Flat,Lever Type Dial Gauge. (By Comparison Method)	50 mm to 600 mm	1.8 µm
68	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Standard - (i) Setting Rods	Using Gauge Block, Electronic Probe & Length Bar. (By Comparison Method)	500 mm to 1000 mm	3.9 µm
69	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Standard - Micrometer Setting Rods	Using Gauge Blocks & Electronic Probe. (By Comparison Method)	0 to 300 mm	0.45 µm
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Standard - Setting Masters	Using Gauge Blocks & Electronic Probe. (By Comparison Method)	0 to 300 mm	0.45 µm
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Standard - Micrometer Setting Rods.	Using Gauge Blocks & Electronic Probe. (By Comparison Method)	0 to 1000 mm	1.3 µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Standard - Setting Masters	Using Gauge Blocks & Electronic Probe. (By Comparison Method)	0 to 1000 mm	1.3 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 13 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Level Calibrator (Length Standard)	Using CMM By Comparison Method	0 to 500 mm	2.38 µm
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge L.C 0.001 mm	Using Laser Measuring System (By Comparison Method)	0 to 1 mm	0.22 µm
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale L.C.: 0.5 mm	Using Scale Tape & Calibrator By Comparison Method	Upto 1000 mm	35 µm
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape/PI Tape/ Count Meter L.C: 0.1 mm	Using Scale & Tape Calibrator by Comparison Method	0 to 50 m	35 x(L/1000) µm, Where L is in mm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Notch (Check Angle)	Using Vision Measuring Machine (By Comparison Method)	Upto 300 mm	5.8 s
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Notch (Length, Height, Width)	Using CMM By Comparison Method	Upto 500 mm	(2.5+L/250) µm , where (L is in mm)

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 14 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Notch (Radius)	Using Vision Measuring Machine By Comparison Method	Up to 300 mm	2.31 µm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge-Flank Angle	Using Vision Measuring Machine (By Comparison Method)	Upto 60 °	5.81 s
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge-Pitch	Using VMM Machine (By Comparison Method)	0 to 7 mm	1.77 µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical , Pin Gauge (Diameter)	Using Gauge Blocks & Electronic Probe by Comparison Method	0.01 mm to 25 mm	0.22 µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical Setting Masters (Diameter, Variation in diameter, Runout)	Using Gauge Block & Electronic Probe by Comparison Method	0.1 mm to 100 mm	0.25 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical Setting Masters (Parallelism)	Using Gauge Block & Electronic Probe By Comparison Method	0.1 to 100 mm	0.25 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 15 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical, Plug Gauge (Diameter)	Using Gauge Blocks & Electronic Probe, LMM by Comparison Method	Upto 100 mm	0.25 µm
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Measuring Prism (Error between angles of adjacent faces , Cumulative Error between Faces)	Using Gauge Blocks & Electronic Probe (By Comparison Method)	Upto 100 mm	0.7 µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical- Pin Gauge/ wires (Diameter)	Using Gauge Blocks & Electronic Probe / LMM (By Comparison Method)	0.01 mm to 25 mm	0.25 µm
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge (Diameter)	Using Gauge Blocks & Electronic Probe. (By Comparison Method)	Upto 500 mm	1.3 µm
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge /Setting Masters.	Using CMM By Comparison Method	100 mm to 400 mm	(1.5+L/350) µm (where L is in mm)

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 16 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge/ Cylindrical Pins / Measuring Prism / Wires /Setting Masters. (Diameter, Variation in diameter, Runout)	Using Laser Measuring System (By Comparison Method)	0.10 mm to 100 mm	0.22 µm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge/ Cylindrical Pins / Measuring Prism / Wires /Setting Masters. (Diameter, Variation in diameter, Runout)	Using CMM By Comparison Method	0.1 mm to 100 mm	(1.5+L/350) µm, (where L is in mm)
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge/ Cylindrical Pins / Measuring Prism / Wires /Setting Masters. (Parallelism)	Using CMM By Comparison Method	0.1 mm to 100 mm	(1.5+L/350) µm, Where L is in mm.
93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge/ Setting Masters (Diameter, Variation in diameter, Runout/parallelism)	Using Gauge Blocks & Electronic Probe By Comparison Method	100 mm to 500 mm	1.3 µm
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Cylindrical-Plug Gauge/Setting Masters.	Using Laser Measuring System with LMM By Comparison Method	100 mm to 400 mm	0.22 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 17 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge (Diameter at four positions ,Roundness)	Using Gauge Block & Electronic Probe, LMM by Comparison Method	2 mm to 100 mm	0.32 µm
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge (Diameter at four positions ,Roundness)	Using CMM By Comparison Method	2 mm to 500 mm	4.0 µm
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge (Diameter at four positions, Roundness)	Using Gauge Block & Electronic Probe ,LMM by Comparison Method	100 mm to 400 mm	1.68 µm
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge (Diameter at four positions, Roundness)	Using Laser Measuring System with LMM By Comparison Method	2 mm to 400 mm	0.22 µm/m
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Snap Gauge (Gap Size, Parallelism)	Using Gauge Blocks, LMM by Comparison Method	200 mm to 400 mm	1.26 µm
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Snap Gauge (Gap Size, Parallelism)	Using Gauge Blocks, LMM by Comparison Method	Upto 200 mm	1.26 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 18 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Snap Gauge (Gap Size, Parallelism)	Using CMM by Comparison Method	Upto 500 mm	4.0 µm
102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Plug Gauge (Angle)	Using Sine Bar, Gauge Blocks, Standard Pins & Micrometer by Comparison Method	0 ° to 180 °	1.5 s
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Plug Gauge (Angle)	Using CMM by Comparison Method	0 ° to 180 °	1.76 s
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Ring Gauge (Angle)	Using CMM by Comparison Method	0 ° to 180 °	1.65 s
105	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Cone Angle)	Using Gauge Blocks ,Sine Centre & Dial Indicator. by Comparison Method	0 ° to 45°	1.1 s
106	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Cone Angle)	Using CMM by Comparison Method	Upto 500 mm	1.71 s

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 19 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
107	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Length)	Using CMM by Comparison Method	0 to 500 mm	(1.5+L/500) µm, where (L is in mm)
108	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Straightness)	Using CMM by Comparison Method	0 to 500 mm	(1.5+L/500) µm, where (L is in mm)
109	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Total Run out)	Using CMM by Comparison Method	0 to 500 mm	(1.5+L/500) µm, where (L is in mm)
110	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Variation Of Diameter)	Using CMM by Comparison Method	Upto 500 mm	(1.5 + L/500) µm, where L is in mm
111	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain/Taper Mandrel (Variation of Diameter, Total Run out, Straightness, Length)	Using Gauge Blocks, Sine Centre & Electronic Probe by Comparison Method	Upto 500 mm	1.21 µm
112	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauges / Radius Chart (concave and convex profiles) (Radius)	Using Profile Projector, Vision Measuring Machine by Comparison Method	0.05 mm to 300 mm	1.4 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 20 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
113	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauges / Radius Chart (concave and convex profiles), (Radius)	Using CMM by Comparison Method	Upto 400 mm	(1.5+L/500) µm, where (L is in mm)
114	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius gauges, Radius chart, Welding Fillet Gauge, Angle, Profile Templates, Vickers/Knoop/ Rockwell Diamond Cone Indenter, Part Drafting / Weld/ Hi-Lo gauge, bridge cam gauge /Traverse of cupping mechanical	Using Vision Measuring Machine by Comparison Method	Upto 300 mm	0.3 µm
115	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Raiser Block (Mean height of raiser blocks)	Using Gauge Block & Electronic Probe by Comparison Method	Upto 300 mm	0.8 µm
116	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Receiver Gauge/ C.D Gauge/ Jig Fixtures/ Width Gauge/Limit Gauge/Nozzle/Hegmann gauge/Weld Fillet Gauge/ Straightness / Roundness/Reference Discs/ Concentricity Gauge/ Components 3D. Vickers/Knoop	Using CMM by Comparison Method	Upto 500 mm	2.97 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 21 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
117	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Angle)	Using Gauge Blocks & Electronic Probe by Comparison Method	Upto 90 °	0.3 s
118	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Angle)	Using CMM by Comparison Method	Upto 90 °	1.76 s
119	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Center Distance)	Using CMM by Comparison Method	Upto 500 mm	3.06 µm
120	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Center Distance)	Using Gauge Blocks & Electronic Probe By Comparison Method	Upto 500 mm to	0.76 µm
121	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Flatness)	Using CMM by Comparison Method	Upto 500 mm	3.06 µm
122	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Flatness)	Using Gauge Block & Electronic Probe by Comparison Method	Upto 500 mm to	0.76 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 22 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
123	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Parallelism)	Using Gauge Block & Electronic Probe by Comparison Method	Upto 500 to	0.76 µm
124	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Bar (Parallelism)	Using CMM by Comparison Method	Upto 500 mm	3.06 µm
125	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Center (Center distance)	Using Gauge Blocks & Electronic Probe by Comparison Method	Upto 500 mm	0.76 µm
126	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Center (Center Distance)	Using CMM by Comparison Method	Upto 500 mm	2.44 µm
127	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Center (Flatness)	Using Gauge Block & Electronic Probe.by Comparison Method	Upto 500 mm	0.76 µm
128	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Center (Flatness)	Using CMM by Comparison Method	Upto 500 mm	2.44 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 23 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
129	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Center (Parallelism)	Using Gauge Block & Electronic Probe by Comparison Method)	Upto 500 mm	0.76 µm
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Center (Parallelism)	Using CMM by Comparison Method	Upto 500 mm	2.44 µm
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Centre (Angle)	Using Gauge Block & Electronic Probe By Comparison Method	Upto 90 °	0.3 s
132	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sine Centre (Angle)	Using CMM by Comparison Method	Upto 90 °	1.67 s
133	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Slip Gauge Accessories (Flatness, Parallelism)	Using Gauge Block, Electronic Probe & Optical Flat by Comparison Method	Upto 300 mm	1.4 µm
134	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Plug Gauge (Diameter over Pins)	Using Standard Pin ,Floating Carriage by Comparison Method	2 mm to 100 mm	0.9 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 24 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
135	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Plug Gauge (Diameter Over Pins)	Using standard Pins, LMM & Gauge Blocks by Comparison Method	5 mm to 300 mm	1.0 µm
136	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Plug Gauge (Diameter Over Pins)	Using CMM by Comparison Method	Upto 400 mm	(1.5+L/500) µm, where (L is in mm)
137	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Ring Gauge (Diameter over Pins)	Using Standard Pins & Gauge Blocks (By Comparison Method)	5 to 100 mm	0.41 µm
138	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Ring Gauge (Diameter Between Pins)	Using standard Pins, LMM & Gauge Blocks. (By Comparison Method)	5 mm to 300 mm	1.0 µm
139	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Ring Gauge (Diameter Between pins)	Using CMM, Standard Pins. (By Comparison Method)	Upto 400 mm	(1.5+L/500) µm, where (L is in mm)
140	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Standard Foil Set (Thickness)	Using Gauge Blocks & Electronic Probe by Comparison Method	0.01 mm to 10 mm	0.5 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 25 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
141	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Parallelism)	Using Level & Dial Gauge by Comparison Method	Upto 2000 mm	(2.2SQRT(L/100)) µm, (where L is in mm)
142	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Parallelism)	Using CMM by Comparison Method	Upto 600 mm	3.06 µm
143	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Straightness)	Using Level & Dial Gauge by Comparison Method	Upto 2000 mm	(2.2SQRT(L/100)) µm ,(where L is in mm)
144	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Straightness)	Using CMM by Comparison Method	Upto 600 mm	3.06 µm
145	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (Flatness)	Using Precision Level (0.001 mm/m) by Comparison Method	6000 mm x 2000 mm	(1.3 SQRT(L+W/100)) µm, (where L & W is in mm)
146	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve (Aperture size)	Using Profile projector/ Vision Measuring Machine By Comparison Method	0.02 mm to 4 mm	3.12 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 26 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
147	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve (Aperture size)	Using Digital Caliper by Comparison Method	4 mm to 100 mm	7.6 µm
148	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Micrometer (Error in micrometer screw) L.C.: 0.001 mm	Using Standard Wear Check Plug by Comparison Method	0.7 mm to 2.5 mm	1.97 µm
149	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/ WCP (Pitch Diameter)	Using FCDMM & Standard Wires by Comparison Method	1 mm to 100 mm	0.91 µm
150	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/ WCP (Plain / Taper type) (Major Diameter)	Using FCDMM, Cylinder Setting Master by Comparison Method	1 mm to 100 mm	1.0 µm
151	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/ WCP (Plain / Taper type) (Minor Diameter)	Using FCDMM & Prisms by Comparison Method	1 mm to 100 mm	0.9 µm
152	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/ WCP (Plain/Taper) (Effective Dia.)	Using LMM, Cylinder Setting Master/Standard Wires by Comparison Method	100 mm to 400 mm	1.3 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 27 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
153	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/ WCP(Plain/Taper) (Effective Dia.)	Using LMM, Cylinder Setting Master/Standard Wires by Comparison Method	1 mm to 100 mm	0.51 µm
154	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge / Taper Thread Ring Gauge (Minor Diameter, Effective Diameter)	Using LMM Machine, Master Setting Ring by Comparison Method	2 mm to 100 mm	0.51 µm
155	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker / Universal Measuring Microscope (Linear) L.C: 0.001 mm	Using Glass Scale by Comparison Method	Upto 100 mm	0.8 µm
156	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker / Universal Measuring Microscope (Linear) L.C: 0.001 mm	Using Laser Measuring System by Comparison Method	Upto 1000 mm	(0.21xL/1000) µm; Where L is in mm
157	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker / Universal Measuring Microscope (Magnification)	Using Glass Scale by Comparison Method	Upto 180X	0.06 %
158	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Parallelism)	Using Gauge Blocks & Cylindrical Square by Comparison Method	0 to 450 mm	6.0 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 28 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
159	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Parallelism)	Using CMM by Comparison Method	0 to 500 mm	3.6 µm/m
160	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Squareness)	Using Gauge Blocks & Cylindrical Square by Comparison Method	0 to 450 mm	6.0 µm/m
161	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Squareness)	Using CMM by Comparison Method	0 to 500 mm	3.6 µm/m
162	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Straightness)	Using CMM by Comparison Method	0 to 500 mm	3.6 µm/m
163	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square, (Straightness)	Using Gauge Blocks & Cylindrical Square by Comparison Method	0 to 450 mm	6.0 µm/m
164	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Angle "V")	Using CMM by Comparison Method	Upto 90 °	2 s

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 29 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
165	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Angle of "V")	Using Angle Gauges & Electronic Probe by Comparison Method	Upto 90 °	1.5 s
166	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Flatness)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	0 to 150 mm	1.82 µm
167	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	Upto 150 mm	1.82 µm
168	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism)	Using CMM by Comparison Method	Upto 200 mm	1.82 µm
169	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Squareness)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	0 to 150 mm	1.82 µm
170	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Symmetry)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	0 to 150 mm	1.82 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 30 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
171	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Block (Flatness)	Using CMM By Comparison Method	Upto 200 mm	1.81 µm
172	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Block (Squareness)	Using CMM By Comparison Method	Upto 200 mm	1.81 µm
173	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Block (Symmetry)	Using CMM By Comparison Method	Upto 200 mm	1.81 µm
174	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper L.C 0.01 mm (Error-External Jaws, Error-Internal Jaws, Error-Depth, Parallelism of Ext Jaws, Parallelism of Int. Jaws)	Using Caliper Checker by Comparison Method	Upto 300 mm	5.1 µm
175	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper L.C: 0.01 mm (Error-External Jaws, Error-Internal Jaws, Error-Depth, Parallelism of Ext Jaws, Parallelism of Int. Jaws)	Using Length Bar & Gauge Blocks By Comparison Method	Upto 1000 mm	6.0 µm
176	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper L.C: 0.01 mm	Gauge Blocks & Length Bars by Comparison Method	0 to 2000 mm	13.0 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 31 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
177	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	3D Co - ordinate Measuring Machine (Length Measuring Error) L.C.: 0.0001 mm	Using Laser Measuring system & Step gauge By Comparison Method	Up to 2000 mm	(0.9381 + sqrt(L)/2000) µm, where L is in mm
178	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	3D Co-ordinate Measuring Machine L.C.-0.0001mm (Probing Error, Length Measuring Error)	Using Step gauge, Gauge Blocks, Test Sphere (By Comparison Method)	Upto 1 m x 1 m x 1 m	6 x L µm, (where L is in m)
179	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Angular Graticule (Angle) L.C.: 1 sec	Using Profile Projector/Vision Measuring Machine By Comparison Method	0 ° to 360 °	5.8 arc of sec
180	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Ball Bar System -Ball Bar Calibrator. (Center Distance)	Using CMM By Comparison Method	Upto 300 mm	(1.5+ L/300) µm, where (L is in mm)
181	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Ball Bar System, Ball Bar Transducer. (Linear displacement)	Using LMM & ULM By Comparison Method	Travel ± 1.0 mm (Range u	0.98 µm
182	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Caliper Checker (Length)	Using 2D Height Gauge with Laser Measuring System By Comparison Method	0 to 1000 mm	0.63 µm/m
183	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Caliper Checker (Length)	Using Length Bar & Electronic Probe By Comparison Method	0 to 1000 mm	2.9 µm
184	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Caliper Checker (Length)	Using CMM by Comparison Method	Up to 600 mm	3.0 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 32 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
185	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Caliper Checker (Length)	Using Gauge Block & Electronic Probe By Comparison Method	Upto 600 mm	1.8 µm
186	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Dial Gauge / Plunger/ Lever Type (L.C: 0.0005 mm) (Error in Band)	Using LMM by Comparison Method	Up to ± 0.025 mm	0.09 µm
187	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Digital / Dial Calibration Tester (L.C: 0.0002mm) (Drum Error)	Using Laser Measuring System/Optical Flat (By Comparison Method)	0 to 25 mm	0.08 µm
188	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Digital / Dial Calibrator Tester L.C.-0.0001 mm (Drum Error)	Using Gauge Blocks. (By Comparison Method)	Upto 25 mm	0.17 µm
189	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Level/Precision Level/Spirit Level (Sensitivity: 0.001/0.01 mm/m) (Error, Bubble Measuring Error, Flatness of Base)	Using Level Calibrator By Comparison Method	Up to 5 mm/m	1.2 µm/m
190	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe L.C 0.01 µm / 0.1 µm (Error in Length Measurement)	Using Gauge Block. (By Comparison Method)	Upto 25 mm	0.12 µm
191	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe L.C 0.01 µm / 0.1 µm (Error in Length Measurement)	Using Laser Measuring System (By Comparison Method)	Upto 25 mm	0.22 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 33 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
192	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Floating Carriage DMM L.C 0.1 µm Straightness/ Concentricity / Micrometer Travel / Flatness of Measuring Faces. (Micrometer Head Error, Alignment of centres to base, Parallelism of micrometer face)	Using Gauge Blocks / Electronic Probe / Cylindrical Setting Master By Comparison Method	0 to 175 mm	0.8 µm
193	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Steel) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator (By Comparison Method)	10 mm to 25 mm	0.11 µm
194	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Carbide) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator by Comparison Method	0.5 mm to 10 mm	0.08 µm
195	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Carbide) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator by Comparison Method	10 mm to 25 mm	0.083 µm
196	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Carbide) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator by Comparison Method	25 mm to 50 mm	0.095 µm
197	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Carbide) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator by Comparison Method	50 mm to 100 mm	0.2 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 34 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
198	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Steel) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator (By Comparison Method)	0.5 mm to 10 mm	0.09 µm
199	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Steel) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator (By Comparison Method)	25 mm to 50 mm	0.15 µm
200	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Gauge Blocks (Steel) Grade-K/ 0/1/ 2 (Gauge Length, Variation in Length, Flatness)	Using Gauge Blocks & Gauge Block Comparator (By Comparison Method)	50 mm to 100 mm	0.20 µm
201	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Glass Scales / Glass Grid (Error between graduation lines over entire length)	Using Laser Measuring System with UMM by comparison method	0 to 400 mm	0.35 µm/m
202	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Height Gauge (Digital Electronic Comparator L.C 0.0001 mm) (Measuring Error along working length)	Using Gauge Block & Electronic Probe/Caliper Checker. (By Comparison Method)	Upto 600 mm	2.0 µm
203	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Height Gauge / 2 D Height Gauge L.C : 0.0001 mm (Linear Error/ Squareness)	Using Laser Measuring System (By Comparison Method)	Up to 600 mm	0.22 µm/m
204	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Height Micrometer / Check Master Depth/Inside Micro-Checker L.C. 0.001 mm (Length)	Using Gauge Blocks & Electronic Probe. (By Comparison Method)	Upto 600 mm	1.67 µm

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 35 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
205	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length / Universal Measuring Machine (Length Measuring error over entire range) L.C.: 0.01 µm	Using Laser Measuring System by Comparison Method	Upto 5000 mm	(0.09+(L/10) µm; where L is in m
206	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length / Universal Measuring Machine (Length Measuring error over entire range) L.C.: 0.01µm	Using Gauge Blocks by Comparison Method	Upto 100 mm	0.12 µm
207	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length / Universal Measuring Machine (Length Measuring error over entire range) L.C.: 0.01µm	Using Gauge Blocks by Comparison Method	Upto 500 mm	0.12 +(L/10) µm; where L is in m
208	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Standard - Length Bar (Long Gauge Blocks)	Using Gauge Blocks & Electronic Probe (By Comparison Method)	Upto 1000 mm	1.3 µm
209	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Standard - Length Bar (Long Gauge Blocks)	Using 2D Height Gauge with Laser Measuring System by comparison method	Upto 1000 mm	0.22 µm/m
210	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Standard - Length Bar (Long Gauge Blocks)	Using Gauge Blocks & Electronic Probe By Comparison Method	Upto 300 mm	0.45 µm
211	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Standard-Setting Masters	Using 2D Height Gauge with Laser Measuring System(By Comparison Method)	0 to 1000 mm	0.22 µm/m
212	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Level Calibrator (Length)	Using 2D Height Gauge & Gauge Blocks By Comparison Method	Upto 500 mm	0.91 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 36 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
213	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Micrometer Head (Linear Error, Flatness of Anvils) L.C.: 0.0001 mm & coarser	Using Laser Measuring System/Optical Flat By Comparison Method	0 to 25 mm	0.12 µm
214	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Optical Flat Type A (Flatness)	Using Monochromatic Light,Master Optical Flat. (By Comparison Method)	Upto 100 mm	0.084 µm
215	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Optical Parallel / Optics Flats Type B (Flatness of Both Faces)	Using Monochromatic light, Master Optical Flat (By Comparison Method)	Upto 45 mm	0.084 µm
216	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Magnification	Using Glass Scale / Gauge Blocks / Angle Gauges (By Comparison Method)	Upto 180x	0.06 %
217	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Vision Measuring Machine Angular Scale L.C: 1 arc sec	Using Angle Gauges by Comparison Method	Upto 360 °	3.55 arc sec
218	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Vision Measuring Machine X,Y Axis (Linear Scale: L.C. 0.001 mm)	Using Glass Scale By Comparison Method	Up to 400 mm	1.05 µm
219	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Vision Measuring Machine(VMM) X,Y Axis (Linear Scale-L.C. 0.001 mm) (Linear Error)	Using Laser Measuring System By Comparison Method	Upto 1000 mm	0.62 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 37 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
220	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Scale Tape Calibrator (L.C.: 0.001 mm)	Using Gauge Blocks & Length Bar By comparison Method	Up to 1000 mm	11 µm/m
221	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Scale Tape Calibrator (L.C.: 0.001 mm)	Using Laser Measuring System By comparison Method	Upto 1000 mm	0.22 µm/m
222	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Step Checking Gauge	Using 3D Co-ordinate Measuring Machine By comparison Method	Upto 600 mm	4.0 µm
223	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Step Gauge	Using Length Bar & Electronic Probe.(By Comparison Method)	Upto 1000	3 µm
224	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Step Gauge	Using 2D Height Gauge with Laser Measuring System By Comparison Method	Upto 1000 mm	0.22 µm/m
225	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Step Gauge	Using Gauge Block & Electronic Probe.(By Comparison Method)	Upto 600 mm	1.5 µm
226	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Surface Roughness Tester (Portable) (L.C: 0.01 µm)	Using Surface Roughness master/ Optical Flat / Step Gauge using comparison method	Ra: 2 µm, Rmax: 15 µm	6.4 µm
227	MECHANICAL-DUROMETER	Rubber Hardness Calibrator	Using Weights by comparison method	0 to 100 Shore A	0.39 Shore A
228	MECHANICAL-DUROMETER	Rubber Hardness Calibrator	Using Weights by comparison method	0 to 100 Shore D	0.17 Shore D

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 38 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
229	MECHANICAL-DUROMETER	Rubber Hardness Tester	Using Rubber Hardness Calibrator (By Comparison Method)	0 to 100 Shore D	0.52 Shore D
230	MECHANICAL-DUROMETER	Rubber Hardness Tester (Shore A)	Using Rubber Hardness Calibrator (By Comparison Method)	0 to 100 Shore A	0.93 Shore A

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 39 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit L.C: 0.0005 mm / 0.001 mm	Using Plain Plug/ Ring Gauge (Type A,B,C) By Comparison Method	+/- 0.04 mm	0.25 µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit (Digital) L.C: 0.0001 mm	Using Plain Plug / Ring Gauge (Type A,B,C) By Comparison Method	± 0.1 mm	0.96 µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit (Digital/Dial) L.C: 0.002 mm	Using Plain Plug / Ring Gauge (Type A,B,C) By Comparison Method	± 0.08 mm	1.41 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate (Squareness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6.0 µm
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Flatness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6.0 µm
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Parallelism)	Using Gauge Blocks & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6.0 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 40 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre (Co-axiality)	Using Standard Mandrels & Lever Type Dial Gauge By Comparison Method	Upto 1000 mm	4.4 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre (Parallelism)	Using Standard Mandrels & Lever Type Dial Gauge By Comparison Method	0 to 1000 mm	4.4 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Flatness)	Using Gauge Blocks & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6.0 µm
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Parallelism)	Using Gauge Blocks & Cylindrical Square(By Comparison Method)	Upto 450 mm	6.0 µm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box Plate (Squareness)	Using Gauge Blocks & Cylindrical Square(By Comparison Method)	Upto 450 mm	6.0 µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	CNC Machine Tools	Using Laser Measuring System By Comparison Method	0 to 10 m	(0.5+L/1000) µm, where (L is in mm)

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 41 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/Master Cylinder (Straightness)	Using Gauge Blocks, Lever Dial & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6 µm/m
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/Master Cylinder (Flatness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6 µm/m
15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Square/Master Cylinder (Squareness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6 µm/m
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer’s Square (Straightness)	Using Gauge Blocks & Cylindrical Square. (By Comparison Method)	Upto 450 mm	6.0 µm/m
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer’s Square (Parallelism)	Using Gauge Blocks & Cylindrical Square(By Comparison Method)	Upto 450 mm	6.0 µm/m
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer’s Square (Squareness)	Using Gauge Blocks & Cylindrical Square By Comparison Method	Upto 450 mm	6.0 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 42 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer L.C. 0.001mm	Using Gauge Block & Electronic Probe. (By Comparison Method)	Upto 150 mm	0.4 µm
20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (Flatness)	Using Precision Level (0.001 mm/m) by Comparison Method	6000 mm x 2000 mm	(1.3 SQRT(L+W/100)) µm, (where L & W is in mm)
21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker / Universal Measuring Microscope (Linear) L.C: 0.001 mm	Using Glass Scale by Comparison Method	Upto 100 mm	0.8 µm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker / Universal Measuring Microscope (Linear) L.C: 0.001 mm	Using Laser Measuring System by Comparison Method	Upto 1000 mm	(0.21xL/1000) µm; Where L is in mm
23	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker / Universal Measuring Microscope (Magnification)	Using Glass Scale by Comparison Method	Upto 180X	0.06 %
24	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Parallelism)	Using Gauge Blocks & Cylindrical Square by Comparison Method	0 to 450 mm	6.0 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 43 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square (Squareness)	Using Gauge Blocks & Cylindrical Square by Comparison Method	0 to 450 mm	6.0 µm/m
26	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square, (Straightness)	Using Gauge Blocks & Cylindrical Square by Comparison Method	0 to 450 mm	6.0 µm/m
27	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Angle of "V")	Using Angle Gauges & Electronic Probe by Comparison Method	Upto 90 °	1.5 s
28	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Flatness)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	0 to 150 mm	1.82 µm
29	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	Upto 150 mm	1.82 µm
30	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Squareness)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	0 to 150 mm	1.82 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 44 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
31	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Symmetry)	Using Gauge Block, Cylindrical Square, Mandrel & Electronic Probe By Comparison Method	0 to 150 mm	1.82 µm
32	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	3D Co - ordinate Measuring Machine (Length Measuring Error) L.C.: 0.0001 mm	Using Laser Measuring system & Step gauge By Comparison Method	Up to 2000 mm	(0.9381 + sqrt(L)/2000) µm, where L is in mm
33	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	3D Co-ordinate Measuring Machine L.C.-0.0001mm (Probing Error, Length Measuring Error)	Using Step gauge, Gauge Blocks, Test Sphere (By Comparison Method)	Upto 1 m x 1 m x 1 m	6 x L µm, (where L is in m)
34	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Digital / Dial Calibration Tester (L.C: 0.0002mm) (Drum Error)	Using Laser Measuring System/Optical Flat (By Comparison Method)	0 to 25 mm	0.08 µm
35	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Digital / Dial Calibrator Tester L.C.-0.0001 mm (Drum Error)	Using Gauge Blocks. (By Comparison Method)	Upto 25 mm	0.17 µm
36	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Floating Carriage DMM L.C 0.1 µm Straightness/ Concentricity / Micrometer Travel / Flatness of Measuring Faces. (Micrometer Head Error, Alignment of centres to base, Parallelism of micrometer face)	Using Gauge Blocks / Electronic Probe / Cylindrical Setting Master By Comparison Method	0 to 175 mm	0.8 µm

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 45 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
37	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length / Universal Measuring Machine (Length Measuring error over entire range) L.C.: 0.01 µm	Using Laser Measuring System by Comparison Method	Upto 5000 mm	(0.09+(L/10) µm; where L is in m
38	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length / Universal Measuring Machine (Length Measuring error over entire range) L.C.: 0.01µm	Using Gauge Blocks by Comparison Method	Upto 100 mm	0.12 µm
39	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length / Universal Measuring Machine (Length Measuring error over entire range) L.C.: 0.01µm	Using Gauge Blocks by Comparison Method	Upto 500 mm	0.12 +(L/10) µm; where L is in m
40	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Magnification	Using Glass Scale / Gauge Blocks / Angle Gauges (By Comparison Method)	Upto 180x	0.06 %
41	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Vision Measuring Machine Angular Scale L.C: 1 arc sec	Using Angle Gauges by Comparison Method	Upto 360 °	3.55 arc sec
42	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Vision Measuring Machine X,Y Axis (Linear Scale: L.C. 0.001 mm)	Using Glass Scale By Comparison Method	Up to 400 mm	1.05 µm
43	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Vision Measuring Machine(VMM) X,Y Axis (Linear Scale-L.C. 0.001 mm) (Linear Error)	Using Laser Measuring System By Comparison Method	Upto 1000 mm	0.62 µm/m

SCOPE OF ACCREDITATION

Laboratory Name : S.V. NANOMETROLOGY PVT. LTD., PLOT NO. E-3, SANJAY COLONY, SEC-23, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2472 **Page No** 46 of 46

Validity 11/02/2025 to 10/02/2029 **Last Amended on** 13/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
44	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Roundness Tester / Radial / Axial /Straightness. (Roundness)	Using Gauge Blocks /Master Cylinder /Test sphere by Comparison Method)	300 mm x 350 mm	4.0 µm
45	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Scale Tape Calibrator (L.C.: 0.001 mm)	Using Gauge Blocks & Length Bar By comparison Method	Up to 1000 mm	11 µm/m
46	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Scale Tape Calibrator (L.C.: 0.001 mm)	Using Laser Measuring System By comparison Method	Upto 1000 mm	0.22 µm/m
47	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Surface Roughness Tester (Portable) (L.C: 0.01 µm)	Using Surface Roughness master/ Optical Flat / Step Gauge using comparison method	Ra: 2 µm, Rmax: 15 µm	6.4 µm

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**