National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3402	**Page No**	1 of 11
Validity	16/06/2024 to 15/06/2026	**Last Amended on**	-

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-DENSITY AND VISCOSITY	Density Hydrometer (L.C.: 0.001 g/ml and Coarser)	Using Standard Hydrometer & Liquids of Known Densities as per IS : 3104 (Part - 2) by Comparison Method	0.6 g/ml to 1 g/ml	0.0046 g/ml
2	MECHANICAL-DENSITY AND VISCOSITY	Density Hydrometer (L.C.: 0.01 g/ml and Coarser)	Using Standard Hydrometer & Liquids of Known Densities as per IS : 3104 (Part - 2) by Comparison Method	1 g/ml to 2 g/ml	0.0046 g/ml
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge	Using Dial Calibration Tester By Comparison Method	0 to 2 mm	2.9 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 1 µm)	Using Thickness Foil By Comparison Method	0.011 mm to 1.39 mm	2.98 µm

SCOPE OF ACCREDITATION

Laboratory Name :	PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3402
Page No	2 of 11
Validity	16/06/2024 to 15/06/2026
Last Amended on	-

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)(±)
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator Stand (Flatness)	Using Slip Gauge Set, Lever Type Dial Gauge by Comparison Method	Up to 400 mm X 400 mm	6.97 µm
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cube Mould	Using Digital Vernier Caliper By Comparison method	Up to 150 mm	58.5 µm
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.:-0.001 mm & Coarser)	Using Gauge Blocks, V- Block & Surface Plate by Comparison Method	0 to 150 mm	6.4 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Caliper (L.C.:0.01 mm)	Using Gauge Blocks Set By Comparison method	10 mm to 150 mm	9.5 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type (L.C.: 10 µm)	Using Dial Calibration Tester by Comparison Method	Up to 0.8 mm	3.2 µm

SCOPE OF ACCREDITATION

Laboratory Name : PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3402 **Page No** 3 of 11

Validity 16/06/2024 to 15/06/2026 **Last Amended on** -

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)(±)
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (Analog / Digital) (L.C.: 0.01 mm & Coarser)	Using Gauge Block Set by Comparison Method	0 to 20 mm	7.2 µm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge	Using Digital Vernier Caliper by Comparison Method	6.3 mm to 50 mm	19.7 µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog / Digital) (L.C.: 0.001 mm)	Using Gauge Blocks Set, Micrometer Checker, Optical Flat Parallels By Comparison Method	0 to 25 mm	1.8 µm
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog / Digital) (L.C.: 0.01 mm)	Using Gauge Blocks Set, Micrometer Checker, Optical Flat By Comparison Method	0 to 100 mm	7.2 µm
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog / Digital) (L.C.: 0.01 mm)	Using Gauge Blocks Set, Micrometer Checker, Optical Flat By Comparison Method	100 mm to 300 mm	9.8 µm

SCOPE OF ACCREDITATION

Laboratory Name : PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3402 **Page No** 4 of 11

Validity 16/06/2024 to 15/06/2026 **Last Amended on** -

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)(±)
15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Gauge Blocks set, Micrometer Checker, Optical Flat By Comparison Method	300 mm to 1000 mm	21.2 µm
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digital Micrometer By Comparison method	0.03 mm to 2 mm	3.3 µm
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Flakiness Gauge	Using Digital Vernier Caliper by Comparison Method	6.3 mm to 63 mm	23.3 µm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Granite / CI Surface Plate	Using Electronic Level Meter By Compression Method	Up to 3000x1000 mm	26.8 *SQRT {(L+W)/125}µm, L & W in mm
19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier / Dial / Digital) (L.C.: 0.01 mm & Coarser)	Using Caliper Checker & Surface Plate by Comparison Method	0 to 1000 mm	19.6 µm

SCOPE OF ACCREDITATION

Laboratory Name : PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3402 **Page No** 5 of 11

Validity 16/06/2024 to 15/06/2026 **Last Amended on** -

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)(±)
20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier / Dial / Digital) (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks & Surface Plate by Comparison Method	0 to 300 mm	9.6 µm
21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer / Stick Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Set, Slip Gauge Accessories by Comparison Method	5 mm to 50 mm	6.8 µm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Magnetic / Parallel V - Block (Flatness)	Using Surface Plate & Dial Indicator by Comparison Method	Up to 200 mm	4.6 µm
23	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Magnetic / Parallel V - Block (Parallelism)	Using Surface Plate & Dial Indicator by Comparison Method	Up to 200 mm	4.6 µm
24	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Magnetic / Parallel V - Block (Symmetricity)	Using Surface Plate, Test Mandrels & Dial Indicator by Comparison Method	Up to 200 mm	10 µm

SCOPE OF ACCREDITATION

Laboratory Name : PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3402 **Page No** 6 of 11

Validity 16/06/2024 to 15/06/2026 **Last Amended on** -

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.)	Measuring Scale / Steel Scale (L.C.: 1 mm)	Using Profile Projector By Comparison Method	0 to 200 mm	577.4 µm
26	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pie Tape	Using Profile Projector by Comparison Method	0 to 200 mm	577.4 SQRT L µm (where L in meter)
27	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (Analog / Digital) (L.C.: 0.001 mm & Coarser)	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	1.5 µm
28	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (Analog / Digital) (L.C.: 0.001 mm & Coarser)	Using Dial Calibration Tester by Comparison Method	0 to 10 mm	1.8 µm
29	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (Analog / Digital)(L.C.: 0.001 mm & Coarser)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	2.1 µm

SCOPE OF ACCREDITATION

Laboratory Name :	PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3402	**Page No**	7 of 11
Validity	16/06/2024 to 15/06/2026	**Last Amended on**	-

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)(±)
30	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector by Comparison Method	0.6 mm to 25	10.4
31	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector By Comparison Method	25 mm to 40 mm	14.6 µm
32	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Gauge Blocks Set By Comparison Method	3 mm to 200 mm	3.6 µm
33	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Profile Projector by Comparison Method	32 µm to 4 mm	7.8 µm
34	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Digital Vernier Caliper By Comparison Method	4 mm to 125 mm	12.7 µm

SCOPE OF ACCREDITATION

Laboratory Name : PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3402 **Page No** 8 of 11

Validity 16/06/2024 to 15/06/2026 **Last Amended on** -

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)(±)
35	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge - Flank Angle	Using Profile Projector by Comparison Method	60 °	13" of arc
36	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge - Pitch	Using Profile Projector by Comparison Method	0.2 mm to 6 mm	5.9 µm
37	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.1 mm)	Using Gauge Block and Long Gauge Block by Comparison Method	0.5 mm to 100 mm	54.9 µm
38	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Dial / Digital) (L.C.: 0.01 mm and Coarser)	Using Gauge Blocks & Slip Gauge Accessories by Direct Method	0 to 150 mm	9.1 µm
39	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Dial / Digital) (L.C.: 0.02 mm and Coarser)	Using Caliper Checker by Comparison Method	0 to 1000 mm	23.5 µm

SCOPE OF ACCREDITATION

Laboratory Name : PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3402 **Page No** 9 of 11

Validity 16/06/2024 to 15/06/2026 **Last Amended on** -

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)(±)
40	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Dial / Digital) (L.C.:0.01 mm & Coarser)	Using Gauge Blocks & Gauge block Accessories by Direct Method method	0 to 300 mm	11 µm
41	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper - (Dial / Digital) (L.C.: 0.02 mm & Coarser)	Using Caliper Checker & Slip Gauge Accessories by Comparison Method	0 to 600 mm	14.4 µm
42	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Depth Gauge (Dial / Digital) (L.C.: 0.02 mm & Coarser)	Using Gauge Blocks, V Block & Dial Indicator by Comparison Method	0 to 300 mm	18.4 µm

SCOPE OF ACCREDITATION

Laboratory Name :	PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3402	**Page No**	10 of 11
Validity	16/06/2024 to 15/06/2026	**Last Amended on**	-

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.)	Bench Centre - Coaxially	Using Test Mandrel, Lever Type Dial Gauge By Comparison Method:	Up to 200 mm	8 µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre - Parallelism	Using Test Mandrel, Lever Type Dial Gauge By Comparison Method	Up to 200 mm	8 µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Granite / CI Surface Plate	Using Electronic Level Meter By Compression Method	Up to 3000x1000 mm	26.8 *SQRT {(L+W)/125}µm, L & W in mm
4	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic / Industrial Pressure Gauge / Pressure Transducers with Indicator	Using Digital Pressure Gauge, Pressure Comparator By Comparison Method as per DKD-R 6-1	0 to 686 bar	0.87 bar

SCOPE OF ACCREDITATION

Laboratory Name :	PINPOINT PRECSION CALIBRATION LAB PRIVATE LIMITED, SHOP NO.-7 & 8, SOOD COMPLEX, DUGRI DHANDRA ROAD, DUGRI, LUDHIANA, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3402	**Page No**	11 of 11
Validity	16/06/2024 to 15/06/2026	**Last Amended on**	-

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)(±)
5	MECHANICAL-PRESSURE INDICATING DEVICES	Industrial / Pneumatic Pressure Gauge / Pressure Transducer with Indicator	Using Digital Pressure Gauge, Pressure Comparator By Comparison Method as per DKD-R 6-1	0 to 10 bar	0.02 bar
6	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge	Using Digital Pressure Gauge, Vacuum Pump By Comparison Method as per DKD-R 6-1	(-) 0.9 to 0 bar	0.008 bar
7	THERMAL-TEMPERATURE	Oven & Furnace (Multiposition Calibration)	Using N Type Thermocouple (Minimum 9 Sensors) with Data Logger By Comparison Method	250 °C to 920 °C	7.6 °C

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