Laboratory	Precise Testing and Calibration Centre, MIG 1366, 10 th Phase, New Rayakottai Hudco, Hosur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	CC-2129	Page	1 of 4
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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks		
	MECHANICAL CALIBRATION					
1.	DIMENSION (BASIC N	IEASURING INSTRUMEN	Γ, GAUGE ETC.)			
1.	Caliper ^{\$} (Dial/Digital/Vernier) L.C.: 0.01 mm	0 to 300 mm 0 to 600 mm	8.1 μm 17.60 μm	Using Caliper Checker '0' Grade Slip Gauges Gauge Block Accessories by Comparison Method IS 3651 Part 1,2, 3:1998		
2.	Depth Micrometer⁵ (Dial/Digital/Vernier) L.C.: 0.01 mm	0 to 150 mm	6.00 μm	Using Caliper Checker '0' Grade Slip Gauges Gauge Block Accessories by Comparison Method BS :6468		
3.	External / Flange/ Ball/Blade/point Micrometer ^{\$} (Analog/Digital) L.C.: 0.001 mm	0 to 150 mm	1.80 µm	Using '0' Grade Slip Gauges Block Accessories by Comparison Method IS :2967:1983		
4.	Internal Micrometer/ Stick Micrometer ^{\$} L.C.: 0.01 mm	0 to 600 mm	9.10 µm	Using '0' Grade Slip Gauges Block Accessories Caliper Checker by Comparison Method IS :2966:1964		
5.	Plunger Type (Dial/ Digital) Indicator ^{\$} L.C.: 0.001 mm	0 to 25 mm	3.30 µm	Using Dial Calibration Tester by Direct Method IS :2092:1983		

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
6.	Lever Type (Dial/ Digital) Indicators ^{\$} L.C.: 0.001 mm	0 to 2 mm	2.30 µm	Using Dial Calibration Tester by Direct Method IS:11498:1985
7.	Plain Plug Gauge ^{\$}	Up to 100 mm	4.90 μm	Using Gauge Block, Dial Gauge by Comparison Method IS: 3455:1985
8.	Width Gauge [®]	Up to 100 mm	3.20 μm	Using Gauge Block, Dial Gauge By Comparison Method IS: 3455:1985
9.	Measuring Pin ^{\$}	0 to 20 mm	2.70 μm	Using Gauge Block, Dial Gauge by Comparison Method IS: 11103
10.	Flush Pin Gauge ^{\$}	0 to 100 mm	3.40 μm	Using Gauge Block, Dial Gauge, Micrometer by Comparison Method PTACC/H/CAL/WI-20
11.	Snap Gauge / Dial Snap Gauge (Fixed/Adjustable) ^{\$}	0 to 100 mm 0 to 200 mm	2.30 μm 2.80 μm	Using Slip Gauges Grade '0' by Comparison Method IS:7876, IS:3477
12.	Dial Depth Gauge ^{\$} L.C.: 0.01 mm	0 to 10 mm	5.80 µm	Using Slip Gauge Grade '0' by Comparison Method IS:2092:1983
13.	Feeler Gauge ^{\$}	0.05 mm to 1.0 mm	2.30 µm	Using Digital Micrometer by Direct Method IS:3179:1990

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
14.	Bore Gauge ^{\$} (Digital/Dial) (Only Transmission)	0 to 2.0 mm	4.20 μm	Using Dial Calibration Tester by Direct Method JIS 7515
15.	Thickness Gauge ^{\$} (Dial/Digital) L.C.: 0.001 mm	0 to 50 mm	2.60 µm	Using Slip Gauges Grade '0' by Comparison Method IS:2092:1983
16.	Height Gauges ^{\$} (Digital / Dial) L.C.: 0.01 mm	0 to 600 mm	12.50 µm	Using Caliper Checker by Comparison Method IS:2921:1988
17.	Pistol Caliper ^s L.C.: 0.1 mm	0 to 100 mm	60.0 µm	Using '0' Grade Slip Gauges by Comparison Method IS:2092:1983
18.	Depth Vernier ^{\$} (Analog/Digital) L.C.: 0.01 mm	0 to 300 mm	9.10 µm	Using Slip Gauges Grade '0', Gauge Block Accessories & Caliper Checker by Comparison Method IS:4213:1991
19.	Dial Caliper Gauge / Groove Dial /Inside Caliper Gauge ^{\$} L.C.: 0.01 mm	10 mm to 150 mm	6.00 μm	Using 0' Grade Slip Gauges & Gauge Block Accessories '0' Grade Slip by Comparison Method IS:2092:1983
20.	Setting Rod ^{\$}	25 mm to 150 mm	4.50 μm	Using Gauges & Gauge Block Accessories by Comparison Method
21.	V-Block ^{\$} (Flatness Parallelism	250 mm X 200 mm X 180 mm	4.20 μm 3.40 μm 10 min	Using Plunger Dial, 0 Grade Slip Gauge, Bevel Protractor by

4.20 µm

Perpendicularity

Symmetry)

Comparison Method

IS:2949

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
22.	Height Measuring System (Electronic) * L.C.: 0.001 mm	0 to 600 mm	10.6 µm	Using Caliper Checker by Comparison Method IS: 2921:1998
II.	PRESSURE INDICATI	NG DEVICES		
1.	Pressure (Pneumatic) Gauge / Switch / Transducers with Indicators [*]	0 to 30 bar	0.07% rdg	Using Pressure & Vacuum Calibrator by Comparison Method as per DKD-R6-1-2014
2.	Pressure (Hydraulic) Gauge / Switch / Transducers with Indicators [*]	0 to 700 bar	0.07 % rdg	Using Pressure & Vacuum Calibrator by Comparison Method as per DKD-R6-1-2014
3.	Vacuum Gauge / Switch / Transducer with Indicators*	(-) 0.1 bar to (-) 0.9 bar	0.93% of rdg	Using Pressure & Vacuum Calibrator by Comparison Method as per ISO 3567-2015 DKD-R6-1-2014

* Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95% ^{\$}Only in Permanent Laboratory *Only for Site Calibration