Laboratory	**Aditya Engineering Co. Calibration Laboratory, 2 Locations, A/P: Khalad, Tal: Purandhar, Dist: Pune, Maharashtra**		
Accreditation Standard	**ISO/IEC 17025:2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**11.09.2015**
Certificate Number	**C-1266**	**Valid Until**	**10.09.2017**
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	Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (±)	Remarks
I.	**DIMENSION**			
1.	**GAUGE BLOCK STEEL[$]**	0.5 mm to 25 mm >25 mm to 50 mm > 50 mm to 100 mm	0.13 µm 0.23 µm 0.46 µm	Using Gauge Block Calibration & Gauge Block Set Grade 'K' by Comparison Method
2.	**SINGLE AXIS MEASURING MACHINE[$] L.C. 0.1 µm LENGTH MEASURING ERROR**	0 to 100 mm	1.0 µm	Using Gauge Block Set Grade '0' by Comparison Method
3.	**ELECTRONIC HEIGHT GAUGE[$]**	0 to 600 mm	6.1 µm	Using Gauge Block Long Gauge Block & Surface Plate by Comparison Method
4.	**RISER BLOCK[$]**	Upto 300 mm	3.7 µm	Using Block Set Grade '0' Electronic Probe & Surface Plate by Comparison Method
5.	**FLOATING CARRIAGE DIAMETER MEASURING MACHINE[$]**			
	MICROMETER HEAD	0 to 100 mm	2.6 µm	Using Block Set Grade '0' Electronic Micro Indictor with Lever Type Probe & Surface plate by Comparison Method
	ALIGNMENT OF CENTRE TO BASE		3.8 µm	Using Electronic Micro Indicator with Lever Type Probe & plain Cylindrical Standards by Comparison Method

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6.	**DIAL CALIBRATION TESTER DRUM ACCURACY[$]**	0 to 25 mm	2.4 µm	Using Electronic Probe Display Unit by Comparison Method
7.	**CYLINDRICAL SETTING MASTER[$]**			
	DIAMETER VARIATION	0 to 100 mm	1.3 µm	Using Gauge Block Set Grade '0' Electronic Probe & Surface Plate by Comparison Method
	CONCENTRICITY/RUN OUT	0 to 100 mm	2.1 µm	Using FCDM Machine, Electronic Probe Analog Display Unit & Surface Plate by Comparison Method
8.	**CYLINDRICAL MEASURING PINS DIAMETER[$]**	0.5 mm to 20 mm	1.8 µm	Using Gauge Block Set Grade '0', Electronic Probe & Comparator Stand by Comparison Method
9	**THREAD MEASUING WIRES[$]**	0.17 mm to 6.35 mm	0.8 µm	Using Gauge Block Set Grade '0', Electronic Probe & Comparator Stand by Comparison Method
10.	**THREAD MEASURING PRISM[$]**	(ABCD)	0.8 µm	Using Gauge Block Set Grade '0', Electronic Probe & Comparator Stand by Comparison Method

	Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (±)	Remarks
11.	**DIAL SNAP GAUGE FLATNESS[$]**	0 to 300 mm	4.0 µm	Using Electronic Probe, Display Unit & Gauge Blocks Grade '0' by Comparison Method
12.	**ADJUSTABLE SNAP GAUGE[$]**	0 to 300 mm	3.8 µm	Using Grade '0' Granite Surface Plate, Parallel Block Electronic Probe & Display Unit by Comparison Method
13.	**ROUNDNESS TESTING MACHINES[$]**			
	SPINDLE ROTATIONAL RADIAL ACCURACY (Roundness)	Ø 300 mm	0.1 µm	Using Hemisphere by Comparison Method
	SPINDLE ROTATIONAL RADIAL AXIAL ACCURACY (Roundness)		0.1 µm	
14.	**ELECTRONIC HEIGHT MASTER[$]**			
	MICROMETER HEAD SCREW ERROR	5 mm to 310 mm	3.1 µm	Using Gauge Block Set Grade '0' Electronic Probe & Surface Plate by Comparison Method
	PITCH BLOCK ACCURACY ERROR		3.8 µm	

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	Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (±)	Remarks
15.	**CALIPER CHECKER PITCH BLOCK ACCURACY ERROR[$]**	0 to 600 mm	7.0 µm	Using Electronic Height Gauge & Surface Plate by Comparison Method
16.	**CHECK MASTER[$]**	0 to 600 mm	8.6 µm	Using Check Master Electronic Probe & Surface Plate By Comparison Method
17.	**INTERNAL MICRO CHECKER[$]**	0 to 600 mm	7.0 µm	Using Electronic Probe & Surface Plate By Comparison Method
18.	**DEPTH MICRO CHECKER[$]**	0 to 600 mm	5.2 µm	Using Gauge Block Set Grade '0' Electronic Probe & Surface Plate By Comparison Method

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory

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