



# NABL

## SCOPE OF ACCREDITATION

Laboratory	Truththread Gauges & Tools Pvt. Ltd., T- 83, MIDC, Bhosari, Pune, Maharashtra	Issue Date	21.10.2016
Accreditation Standard	ISO/IEC 17025:2005	Valid Until	20.10.2018
Discipline	Mechanical Calibration	Page	1 of 4
Certificate Number	C-0675		
Last Amended on			

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. DIMENSION (Basic Measuring Instrument, Gauge etc.)</b>			
1. CALIPERS <sup>s</sup> (Digital, Dial, Vernier) L.C.: 10 $\mu\text{m}$ <sup>Φ</sup>	Upto 600 mm	17.4 $\mu\text{m}$	Using Caliper Checker by Comparison Method
2. HEIGHT GAUGES <sup>s</sup> (Digital, Dial, Vernier) L.C.: 10 $\mu\text{m}$ <sup>Φ</sup>	Upto 600 mm	17.0 $\mu\text{m}$	Using Caliper Checker & Surface Plate by Comparison Method
3. VERNIER DEPTH CALIPER <sup>s</sup> L.C.: 20 $\mu\text{m}$	Upto 150 mm	15.3 $\mu\text{m}$	Using Gauge Block Sets by Comparison Method
4. EXTERNAL MICROMETER <sup>s</sup> (Digital, Dial, Vernier) L.C.: 1 $\mu\text{m}$ L.C. : 10 $\mu\text{m}$	0 to 100 mm 0 to 200 mm	1.5 $\mu\text{m}$ 3.5 $\mu\text{m}$	Using Gauge Blocks by Comparison Method
5. DEPTH MICROMETER <sup>s</sup> L.C.: 10 $\mu\text{m}$	0 to 50 mm	6.0 $\mu\text{m}$	Using Gauge Blocks by Comparison Method
6. PLUNGER TYPE DIAL GAUGES <sup>s</sup> L.C.: 1 $\mu\text{m}$ <sup>Φ</sup>	Upto 25 mm	1 $\mu\text{m}$	Using ULM & Dial Calibration Tester by Comparison Method

Sangeeta Kunwar  
Convenor

Avijit Das  
Program Manager



# NABL

## SCOPE OF ACCREDITATION

Laboratory	Truththread Gauges & Tools Pvt. Ltd., T- 83, MIDC, Bhosari, Pune, Maharashtra	Issue Date	21.10.2016
Accreditation Standard	ISO/IEC 17025:2005	Valid Until	20.10.2018
Discipline	Mechanical Calibration	Page	2 of 4
Certificate Number	C-0675		
Last Amended on			

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
7. LEVER TYPE DIAL GAUGES <sup>S</sup> L.C.: 10 $\mu$ m	Upto 10 mm	4.1 $\mu$ m	Using Dial Calibration Tester by Comparison Method
8. LENGTH BARS <sup>S</sup>	Upto 100 mm 100 mm to 200 mm 200 mm to 350 mm	2.0 $\mu$ m 2.4 $\mu$ m 3.3 $\mu$ m	Using Electronic Comparator, Master Length Bars or Gauge Blocks by Comparison Method
10. THREAD MEASURING PRISMS <sup>S</sup> (Parallelism)	A, B,C & D Type	1.5 $\mu$ m	Using ULM by Comparison Method
11. PLAIN PLUG GAUGES/ CYLINDRICAL SETTING MASTER <sup>S</sup>	Upto $\varnothing$ 100 mm $\varnothing$ 100 mm to $\varnothing$ 200 mm $\varnothing$ 200 mm to $\varnothing$ 350 mm	1.7 $\mu$ m 2.5 $\mu$ m 2.8 $\mu$ m	Using Electronic Comparator by Comparison Method
12. PLAIN RING GAUGE <sup>S</sup> (Internal Diameter)	$\varnothing$ 2.5 mm to $\varnothing$ 100 mm > $\varnothing$ 100 mm to $\varnothing$ 300 mm	1.6 $\mu$ m 2.0 $\mu$ m	Using ULM SIP by Comparison Method
13. PLAIN SNAP GAUGE <sup>S</sup>	1 mm to 200 mm >200 mm to 300 mm	2.1 $\mu$ m 3.0 $\mu$ m	Using Gauge Block. by Comparison Method
14. TAPER PLAIN PLUG GAUGE <sup>S</sup> (Diameter at Small End \ Large end Taper Angle)	1 mm to 200 mm Upto 30°	3.7 $\mu$ m 254" arc sec	Using ULM
15. TAPER PLAIN RING GAUGE <sup>S</sup> (Internal Taper Diameter)	> $\varnothing$ 5 mm to $\varnothing$ 100 mm	1.7 $\mu$ m	Using UMM
Taper Angle		59 " arc sec	

Sangeeta Kunwar  
Convenor

Avijit Das  
Program Manager



# NABL

## SCOPE OF ACCREDITATION

Laboratory	Truththread Gauges & Tools Pvt. Ltd., T- 83, MIDC, Bhosari, Pune, Maharashtra	Issue Date	21.10.2016
Accreditation Standard	ISO/IEC 17025:2005	Valid Until	20.10.2018
Discipline	Mechanical Calibration	Page	3 of 4
Certificate Number	C-0675		
Last Amended on			

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
16. THREAD PLUG GAUGE <sup>s</sup> Major/ Effective Diameter Minor Diameter	$\varnothing$ 1 mm to $\varnothing$ 100 mm	1.7 $\mu$ m 3.4 $\mu$ m	Using FCDM, Cylindrical setting Master & Thread Pin Gauge
Major/ Effective Diameter Minor Diameter	$>\varnothing$ 100 mm to $\varnothing$ 300 mm	2.6 $\mu$ m 3.0 $\mu$ m	Using ULM by Comparison Method
17. THREAD RING GAUGE <sup>s</sup> (Effective & Minor Diameter) EFFECTIVE DIAMETER	$\varnothing$ 3 mm to $\varnothing$ 100 mm	1.8 $\mu$ m	Using ULM
	$\varnothing$ 100 mm to $\varnothing$ 300 mm	26 $\mu$ m	Using ULM by Comparison Method
18. TAPER THREAD PLUG GAUGE <sup>s</sup> (Major & Effective Diameter Minor Diameter)	$\varnothing$ 5 mm to $\varnothing$ 100 mm	2.0 $\mu$ m 3.1 $\mu$ m	Using FCDM, Cylindrical setting Master & Thread Pin Gauge
(Major & Effective Diameter Minor Diameter)	$\varnothing$ 100 mm to $\varnothing$ 300 mm	3.6 $\mu$ m	Using ULM by Comparison Method
19. TAPER THREAD RING GAUGE <sup>s</sup> (Effective Diameter)	$\varnothing$ 5 mm to $\varnothing$ 100 mm	2.0 $\mu$ m	Using UMM by Comparison Method.
20. BORE GAUGE <sup>s</sup> (Transmission)	Upto 2 mm	2.6 $\mu$ m	Using Dial Calibration Tester by Comparison Method



Sangeeta Kunwar  
Convenor



Avijit Das  
Program Manager



# NABL

## SCOPE OF ACCREDITATION

Laboratory Truththread Gauges & Tools Pvt. Ltd., T- 83, MIDC, Bhosari, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Discipline Mechanical Calibration Issue Date 21.10.2016

Certificate Number C-0675 Valid Until 20.10.2018

Last Amended on Page 4 of 4

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
21. FEELER GAUGE/ THICKNESS GAUGE <sup>S</sup>	0.02 mm to 2 mm	1.3 $\mu$ m	Using Electronic Comparator by Comparison Method
22. RADIUS GAUGE <sup>S</sup>	R 0.6 mm to R 25 mm	35.9 $\mu$ m	Using Profile Projector by Comparison Method
23. THREAD PITCH GAUGE <sup>S</sup> ANGLE PITCH	55° & 60° 0.4 mm to 6 mm pitch	17' arc 13 $\mu$ m	Using Profile Projector by Comparison Method
24. FLOATING CARRIAGE DIAMETER <sup>S</sup> Linear X-axis Measurement Measuring faces parallelism	0 to 25 mm	1.7 $\mu$ m 1.2 $\mu$ m	Using Gauge Blocks Using Thread Measuring Wire

\* Measurement Capability is expressed as an uncertainty ( $\pm$ ) at a confidence probability of 95%

<sup>S</sup> Only in Permanent Laboratory

<sup>Ø</sup> Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.

Sangeeta Kunwar  
Convenor

Avijit Das  
Program Manager