



GIRNALE ENGINEERING

W-43, MIDC Waluj Chh. Sambhajinagar-431136

Email : girnaleengineering@gmail.com

Mob. No. 8007183808 Office No.: 0240-2991457

Mfg. Die Press Tools, Jig's & Fixture, Moulds, relation Gauges, Hot Forging Die & VMC Job Work, All Type of Tool Work

Plant And Equipment							
							Date- 12-09-24
Sr. No.	Instrument	Condition	Calibration	Valid Till	Next Date	Checked By	Sign
1	Micrometer	Good	19-09-24	15-12-24	03 month	C.T. Girnale	(Girnale)
2	Vernier	Good	19-09-24	15-12-24	3 month	C.T. Girnale	(Girnale)
3	Bore Gauge	Good	19-09-24	15-12-24	03 month	C.T. Girnale	(Girnale)

Girnale Engineering

Mr. Chandrashekhar Girnale





MEASUREWEL

TRUSTED QUALITY PARTNER



Measurewel Technovision Pvt. Ltd. : Metrology Park, Plot No. 40, Gut -23, Sai Udyog Nagri, Waluj MIDC, Aurangabad - 431136. (MS)
Tel.: 7030894888, 9595781234 E-mail : info@measurewel.com Web : www.measurewel.com

CALIBRATION CERTIFICATE

MT/FT/24-01 Rev 00 Page 1 of 1

Calibration Certificate of MICROMETER	Instrument Id No. S/N72254922	Certificate / (ULR) No. CC369924000001124F
Calibration Date 19-09-2024	Date of Issue 19-09-2024	Next Suggested Due Date (Agreed by Customer) 19-09-2025

Customer Name & Address	GIRNALE ENGINEERING W-43 , MIDC WALUJ , , CHH. SAMBAJINAGAR		
Description of item (UUC)	Instrument - External Micrometer		
	Sr.No. : N/A	Range : 0-25mm	L.C. : 0.01 mm Make : MITUTOYO
Date of Receipt & W.O. No.	19-09-2024	Work Order No. M2425-135/2	Condition of Item : - Ok
Party D.C. No. & Date	043	Date 19-09-2024	
Calibration Purpose	To measure the actual error of External Micrometer		
Environmental Condition	Temp. 20°C ± 1°C	Humidity : - 40 - 60% RH	
Method Used	MT/WI/01	As per IS -2967 : 1983	
Major Equipment Used	Mikronix Make Slip Gauge Set, M-10 Sr.No. 9106 vide their Calibration Certificate No. SG/23/2284 dated 05-08-2023 valid up to 05-08-2025 traceable to Mikronix Calibration Centre (Lab Code No.CC-2421)		

Uncertainty of measurement (At 95.45 % confidence level with covarge factor k = 2) ±2.96 µm

Discipline : - Mechanical

Group : - Dimension (Basic Measuring Instruments, Gauges, Etc.)

CALIBRATION RESULTS -

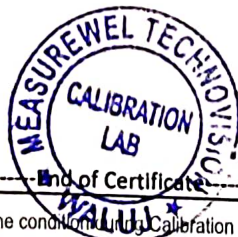
Serial No.	Master Slip Gauge in mm	Actual Observed Reading in mm	Error in mm
1	0.000	0.000	0.000
2	2.500	2.500	0.000
3	5.100	5.101	0.001
4	7.700	7.700	0.000
5	10.300	10.301	0.001
6	12.900	12.900	0.000
7	15.000	15.000	0.000
8	17.600	17.600	0.000
9	20.200	20.201	0.001
10	22.800	22.800	0.000
11	25.000	25.001	0.001

Parallelism of measuring faces : - 0.001 mm

Flatness of Anvil : 0.32 µm

Calibrated By

Ms.S.B.Rathod (TA)



Authorised Signatory

Mr.S. G. Yeola (TM)

Note : The Certificate is issued at the time of Calibration & valid for the condition of Calibration . This Certificate relates only to item Calibrated. The report should not be reproduced except in full without our permission in writing.



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CALIBRATION CERTIFICATE

MT/FT/24-5 Rev 00 Page 1 of 1

Calibration Certificate of DIGITAL CALIPER	Instrument ID No. GE/DVC/02	Certificate/ (ULR) No. CC369924000001123F
Calibration Date 19-09-2024	Date of Issue : - 19-09-2024	Next Suggested Due Date (Agreed by Customer) 19-09-2025

Customer Name & Address
GIRNALE ENGINEERING
W-43 , MIDC WALUJ , , CHH. SAMBHAJINAGAR

Description of item (UUC)
Instrument - DIGITAL CALIPER
Sr.No. : N/A Range : 0-300mm L.C. : 0.01 mm Make : BAKER

Date of Receipt & W.O. No.
19-09-2024 Work Order No. M2425-135/1 Condition of Item : - Ok

Party D.C. No. & Date
043 Date 19-09-2024

Calibration Purpose
To measure the actual error of Digital Caliper

Environmental Condition
Temp. 20°C ± 1°C Humidity : - 40 - 60% RH

Method Used
MT/WI/05 As per IS -16491 (Part I) : 2016

Major Equipment Used
Mikronix Make Caliper Checker 600mm, ID No. 207 vide their Calibration Certificate No. CC/22/4023 Dated 08-10-2022 and valid upto 08-10-2024 traceable to Mikronix Calibration Centre Lab Code No.CC-2421

Uncertainty of measurement (At 95.45 % confidence level with covarge factor k = 2) ±11.33 µm

Discipline : - Mechanical

Group : - Dimension (Basic Measuring Instruments, Gauges, Etc.)

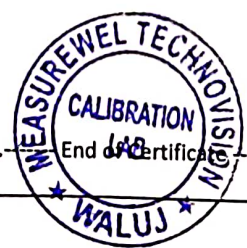
CALIBRATION RESULTS -

Sr. No.	External Readings in mm	Actual Observed Readings in mm	Error in mm
1	0.00	0.00	0.00
2	20.00	20.00	0.00
3	50.00	50.01	0.01
4	100.00	100.01	0.01
5	150.00	150.00	0.00
6	200.00	200.01	0.01
7	250.00	250.00	0.00
8	300.00	300.01	0.01

Parallelism at External Jaw : 0.01 mm	Internal Jaw Error : - 0.02 mm	Depth Bar Error : 0.01 mm
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Calibrated By

Ms.S.B.Rathod (TA)



Authorised Signatory

Mr.S. G. Yeola (TM)

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CALIBRATION CERTIFICATE

MT/FT/24-11 Rev 00 Page 1 of 1

Calibration Certificate Of BORE GAUGE		Instrument Id No.	20705390	Certificate / (ULR) No.	CC369924000001125F
Calibration Date	19-09-2024	Date of Issue	19-09-2024	Next Suggested Due Date (Agreed by Customer)	19-09-2025

Customer Name & Address
GIRNALE ENGINEERING
W-43 , MIDC WALUJ , , CHH. SAMBHAJINAGAR

Description of item (UUC)
Instrument - Bore Gauge
Sr.No. : N/A Range : 18-35 mm L.C. : 0.001 mm Make : MITUTOYO

Date of Receipt & W.O. No.
19-09-2024 Work Order No. M2425-135/3 Condition of Item : - Ok

Party D.C. No. & Date
043 Date 19-09-2024

Calibration Purpose
To measure the actual error of Bore Gauge

Environmental Condition
Temp. 20°C ± 1°C Humidity : - 40 - 60% RH

Method Used
MT/WI/11

- Major Equipement Used
- A) DCT Aditya Make , ID. NO. 120 vide their Calibration Certificate No. DCT/123/1127 dated 03-06-2023 and valid up to 03-06-2025 traceble to Mikronix Cal. Centre Lab code No.CC-2421)
 - B) Mitutoyo Make Plunger Dial, ID.No .MT/PD/02 vide their Calibration Certificate No. PDG/24/5692 Dated 04-02-2024 and valid up to 04-02-2025 traceable to Mikronix Calibration Centre Lab Code No.CC-2421

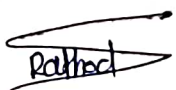
Uncertainty of measurement (At 95.45 % confidence level with covarge factor k = 2) ± 3.10 μm


Discipline : - Mechanical

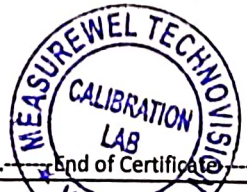
Group : - Dimension (Basic Measuring Instruments, Gauges, Etc.)

CALIBRATION RESULTS -

Serial No.	Dial Reading in mm	DCT Reading in mm	Error in mm
1	0.000	0.000	0.000
2	0.100	0.100	0.000
3	0.200	0.201	-0.001
4	0.300	0.301	-0.001
5	0.400	0.402	-0.002
6	0.500	0.501	-0.001
7	0.600	0.602	-0.002
8	0.700	0.702	-0.002
9	0.800	0.803	-0.003
10	0.900	0.902	-0.002
11	1.000	1.002	-0.002

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