National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

DYNAMATIC METROLOGY LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

DYNAMATIC MANUFACTURING LIMITED, V-77 & V-78, PEENYA INDUSTRIAL ESTATE, PEENYA 2ND STAGE, NELAKADARANAHALLI, BENGALURU, KARNATAKA, INDIA

in the field of

CALIBRATION

Certificate Number: NABLC0626KA04784 (In lieu of CC-3853)

Issue Date: 19/06/2026 **Valid Until:** 18/06/2030

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: DYNAMATIC MANUFACTURING LIMITED

Signed for and on behalf of NABL

Anita Rani
Director

Dr. Ramanand N. Shukla
Chief Executive Officer

SCOPE OF ACCREDITATION

Laboratory Name : DYNAMATIC METROLOGY LABORATORY, DYNAMATIC MANUFACTURING LIMITED, V-77 & V-78, PEENYA INDUSTRIAL ESTATE, PEENYA 2ND STAGE, NELAKADARANAHALLI, BENGALURU, KARNATAKA, INDIA

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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-ACCELERATION AND SPEED	Rotating Transducer	Using Digital Tachometer by Comparison Method	100 RPM to 1000 RPM	4.48 RPM
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor L.C.: 5 min	Using Profile Projector by comparison method	0° to 360°	4.8 arc min
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (Transmission Error) L.C.: 0.001 mm	Using Electronic Dial Calibration Tester by comparison method.	0 to 1 mm	4.12 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Pins	Using Electronic probe with comparator & Gauge Blocks by comparison method.	0.5 mm to 20 mm	2.76 µm
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digital Dial Gauge and comparator stand by comparison method	0.02 mm to 1 mm	2 µm

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6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Leg Caliper Gauge - Analog / Digital (Internal / External) L.C.: 0.01 mm	Using Gauge Block Set by Comparison Method	0 to 30 mm	5 µm
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Leg Caliper Gauge - Analog / Digital (Internal/External) L.C.: 0.05 mm	Using Gauge Block Set by Comparison Method.	0 to 50 mm	25 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Leg Caliper Gauge - Dial / Digital (Internal / external) L.C.: 0.005 mm	Using Gauge Block Set by Comparison Method.	0 to 20 mm	2.5 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Gauge L.C.: 0.001 mm	Using Electronic Dial Calibration Tester by comparison method.	0 to 0.14 mm	2 µm
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Gauge L.C.: 0.002 mm	Using Electronic Dial Calibration Tester by comparison method.	0 to 0.2 mm	2 µm

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11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Gauge L.C.: 0.01 mm	Using Electronic Dial Calibration Tester by comparison method.	0 to 1 mm	5.9 µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer (Analog) L.C.: 0.01 mm	Using Gauge Block Set & Optical Flat by comparison method	0 to 175 mm	6 µm
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer (Digital) L.C.: 0.001 mm	Using Gauge Block Set & Optical Flat by comparison method	0 to 125 mm	2.93 µm
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rods	Using Electronic Comparator with LVDT Probe & Gauge Blocks Set by Comparison Method.	25 mm to 150 mm	6.4 µm
15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Electronic Comparator with LVDT Probe & Gauge Blocks Set by Comparison Method	1 mm to 50 mm	2.6 µm

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16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Electronic Comparator with LVDT Probe & Gauge Blocks Set by Comparison Method	50 mm to 100 mm	3.94 µm
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge (Analog / Digital) L.C.: 0.001 mm	Using Electronic Dial Calibration Tester by comparison method.	0 to 25 mm	2 µm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector by comparison method	1 mm to 25 mm	8 µm
19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Analog / Digital / Dial) L.C.: 0.01 mm	Using Caliper Checker & Gauge Block Set by comparison method.	0 to 300 mm	9.86 µm
20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Analog / Digital / Dial) L.C.: 0.01 mm	Using Caliper Checker & Gauge Block Set by comparison method	0 to 600 mm	14.42 µm

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21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Depth Gauge (Analog / Digital) L.C.: 0.01 mm	Using Gauge Blocks Set by comparison method	0 to 200 mm	9.23 µm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Height Gauge (Digital) L.C.: 0.01 mm	Using Caliper Checker, Gauge Block Set and Lever Dial Gauge by comparison method	0 to 600 mm	10.2 µm
23	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Gauge (Analog / Digital)	Using Pressure Calibrator with pneumatic handpump based on DKD–R6-1.	0 to 20 bar	0.15 bar
24	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauges / Hydraulic Pressure gauge (Digital / Analog)	Using Digital Pressure calibrator with Hydraulic hand pump based on DKD–R6-1	0 to 700 bar	0.38 bar
25	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool / Nut Runner (Pneumatic, Electrical, Battery operated, Hydraulic)	Using Rotary Torque tool testing system and Torque Sensor by Comparison Method as per ISO 5393:2017	1 Nm to 10 Nm	3.2 %

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26	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool / Nut Runner (Pneumatic, Electrical, Battery operated, Hydraulic)	Using Rotary Torque tool testing system and impact Torque Sensor by Comparison Method as per ISO 5393:2017	10 Nm to 20 Nm	1.1 %
27	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool / Nut Runner (Pneumatic, Electrical, Battery operated, Hydraulic)	Using Rotary Torque tool testing system and impact Torque Sensor by Comparison Method as per ISO 5393:2017	20 Nm to 100 Nm	1.11 %
28	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches (Analog / Digital) Type I Class A, B, C, D, E & Torque setting Type II, Class A, B, C, D, E, F, G	Using Torque Wrench Calibration System with Torque Sensor and Digital Torque Indicator by Direct Method as per ISO 6789-1:2017 and ISO 6789-2:2017	100 Nm to 500 Nm	0.9 %

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29	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches / Screw Drivers, Electrical Screw Drivers (Analog / Digital) Type I Class A, B, C, D, E & Torque setting Type II, Class A, B, C, D, E, F, G	Using Torque Wrench Calibration System with Torque Sensor and Digital Torque Indicator by Direct Method as per ISO 6789-1:2017 and ISO 6789-2:2017	10 Nm to 100 Nm	0.9 %
30	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches / Screw Drivers, Electrical Screw Drivers (Analog / Digital) Type I Class A, B, C, D, E & Torque setting Type II, Class A, B, C, D, E, F, G	Using Torque Wrench Calibration System with Torque Sensor and Digital Torque Indicator by Direct Method as per ISO 6789-1:2017 and ISO 6789-2:2017	0.1 Nm to 1 Nm	1.9 %
31	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches / Screw Drivers, Electrical Screw Drivers (Analog / Digital) Type I Class A, B, C, D, E & Torque Setting Type II, Class A, B, C, D, E, F, G	Using Torque Wrench Calibration System with Torque Sensor and Digital Torque Indicator by Direct Method as per ISO 6789-1:2017 and ISO 6789-2:2017	1 Nm to 10 Nm	0.9 %

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Site Facility					
1	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ISO 6508-2:2023.	20 HRBW to 100 HRBW	0.65 HRBW
2	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18 : 2025	20 HRBW to 100 HRBW	0.65 HRBW
3	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ISO 6508-2 : 2023	20 HRC to 70 HRC	0.68 HRC
4	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18 : 2025	20 HRC to 70 HRC	0.68 HRC
5	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ISO 6508-2:2023.	30 HRA to 88 HRA	0.52 HRA

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6	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18 : 2025	30 HRA to 88 HRA	0.52 HRA
7	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ISO 6508-2:2023.	70 HR15TW to 93 HR15TW	0.47 HR15TW
8	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18 : 2025	70 HR15TW to 93 HR15TW	0.47 HR15TW
9	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ISO 6508-2:2023.	70 HREW to 100 HREW	0.5 HREW
10	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18 : 2025	70 HREW to 100 HREW	0.5 HREW
11	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Gauge (Analog / Digital)	Using Pressure Calibrator with Pneumatic Handpump based on DKD–R6-1.	0 to 20 bar	0.15 bar

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12	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge / Hydraulic Pressure gauge (Analog / Digital)	Using Digital Pressure calibrator with Hydraulic hand pump based on DKD–R6-1.	0 to 700 bar	0.38 bar

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