



CALIBRATION CAPABILITY UNDER NABL ACCREDITATION SCOPE

Sr. No.	Description	Range / scale
HARDNESS TESTING MACHINES		
Rockwell Hardness Testing Machine – Indirect method (IS 1586 & ISO 6508-2, ASTM E - 18)		
1	Rockwell Hardness Testing Machine	HR - A, BW, RC, FW, LW, EW, D
	Rockwell cum Rockwell superficial Hardness Testing Machine	HR 15N, HR 30N, HR 45N, HR 15TW, HR 30TW, HR 45TW,
Brinell Hardness Testing Machine – Indirect Method (IS 1500 & ISO 6506, ASTM E 10)		
2	Brinell Hardness Testing Machine	1/30, 2.5/31.25, 2.5/62.5, 2.5/187.5, 2.5/15.625, 5/250, 5/750, 10/500, 10/1000, 10/3000
Vickers Hardness Testing Machine – Indirect Method (IS 1501 & ISO 6507, ASTM E 92)		
3	Vickers Hardness Testing Machine	HV - 1, 3, 5, 10, 20, 30 50, 100
Micro-vickers Hardness Testing Machine – Indirect Method (IS 1501 & ISO 6507, ASTM E384)		
4	Micro-vickers Hardness Testing Machine	HV - 0.1, 0.2, 0.3, 0.5
TEST FORCE VERIFICATION		
5	For all Hardness Testing Machine	2.942 N – 29421 N
TESTING CYCLE		
6	For Rockwell Hardness Testing Machine	Up to 180 Sec
DEPTH MEASURING SYSTEM		
7	For Rockwell Hardness Testing Machine	0 – 0.2 mm
MEASURING DEVICE		
8	For Brinell & Vickers Hardness Testing Machine	Up to 7 mm
LEEB HARDNESS TESTING MACHINE (ASTM A 956)		
9	Leeb Hardness Testing Machine	D Scale
DUROMETER (ASTM D 2240 & ISO 18898)		
10	Durometer (Shore A & Shore D)	Up to 100 Shore



Sr. No.	Description	Range / scale
UTM, TENSION CREEP & TORSION TESTING MACHINE		
Uniaxial Testing Machine (IS 1828-1, ISO 7500-1 , ASTM E4)		
14	Tension	4 N - 1000 kN
	Compression	4 N - 3000 kN
Uniaxial Testing Machine (ASTM E4)		
16	Compression (Reverse Direction)	Up to 3000 kN
CROSS HEAD OF UNIAXIAL TESTING MACHINE		
18	Force Displacement (ASTM E 2309)	Up to 500 mm
DIMENSION (PRECISION INSTRUMENTS)		
Profile Projector (JIS B 7184) by Comparison method		
1	Angular Scale, Magnification, XY travel	Up to 360°, Up to 200 X, 0 – 250 mm
Microscope (ASTM E - 1951)		
2	Microscope	Up to 1000 X
Extensometer (IS 12872 &ISO 9513, ASTM E 83)		
3	Clip on type, video & laser Extensometer	Up to 20 mm
IMPACT TESTING MACHINE		
Charpy Impact Testing Machine		
11	Charpy Impact Testing Machine (ASTM E23, IS 3766, ISO 148 (2))	Up to 750 J
	Izod Impact Testing Machine (BS 131 – 4, IS 3766)	Up to 750 J
	Charpy & Izod Plastic Impact Testing machine (ISO 13802, ASTM D 256, ASTM D 6110)	Up to 50 J
PRESSURE INDICATING DEVICE		
Pressure Hydraulic (DKD-R-6-1 & NABL 122-13)		
12	Pressure Hydraulic – Dial / Digital Pressure Gauge, Pressure Transducer	0 – 700 bar

Sr. No.	Description	Range / scale
WEIGHING SCALE & BALANCE		



MTMS ENGINEERS PVT. LTD.,

GROWING TO SERVE, SERVING QUALITY

NABL ACCREDITED SITE CALIBRATION LABORATORY



NABL CC-2293

Electronic Weighing Balance (OILM R 76-1 & NABL 122-03)			
13	Weighing Balance		1 mg - 200 g (L.C. 1 mg & above) 200 g - 3 kg (L.C. 0.1 g & above) 3 kg - 20 kg (L.C. 1 g & above)
ERICHSEN CUPPING			
14	Erichsen Cupping Testing Machine (IS 10175 – 1)		Up to 20 mm
SPEED			
15	Speed of Cross Head of Uniaxial testing machine (ASTM E 2658)		0 – 500 mm / min
PUSH PULL TESTER			
16	Push Pull Tester (VDI / VDE – 2624)		0 – 1000 N
DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE Etc.,)			
17	Caliper Checker	(L.C.: 0.01 mm)	Up to 600 mm
18	Height Gauge	(L.C.: 0.01 mm)	Up to 600 mm
19	Depth Gauge	(L.C.: 0.01 mm)	0 – 150 mm
20	Micrometer (External)	(L.C.: 0.001 mm)	0 – 150 mm
21	Dial Gauge (Plunger type)	(L.C.: 0.001 mm)	0 – 25 mm
22	Bore Gauge transmission	(L.C.: 0.01 mm)	0 – 1.2 mm Travel
23	Thickness Gauge	(L.C.: 0.001 mm)	0 – 10 mm
24	Micrometer setting rod		0 – 125 mm
25	Feeler Gauge		0 – 1 mm
26	Plain Plug Gauge		0 – 125 mm
27	Snap Gauge		0 – 150 mm
28	Depth Micrometer	(L.C.: 0.01 mm)	0 – 150 mm
29	Lever Type Dial Gauge	(L.C.: 0.01 mm)	0 – 1 mm
30	Electronic Probe		0 – 60 mm
31	Surface Plate (Granite & Cast Iron)		3000 (L) X 3000 (W)