

# Material Testing Machines Services

Ph. No.: +91(020) 65330794, 65334794, 32948178, Tele Fax : +91 20 27286718  
[www.mtmspune.com](http://www.mtmspune.com) NABL Accredited Site Calibration Laboratory (C0262)

## Analogue Universal Testing Machines



- Tests like Tension, Compression, Transverse, etc. are conducted.
- Autographic "Load Vs Elongation" recorder is fitted.
- A wide range of metallic materials can be tested.
- Optional Accessories such as – Mechanical Extensometer, Load-Stabilizer, Attachments for Brinell test, Tensile test for shouldered & threaded, Single & Double shear test, Bolts-Nuts & Washer test, Rope test, Flat Belt test, Bend-Rebend test, 180° Bend test, Pull-Out test, etc. are available.
- Capacities from 100 KN to 1000 KN.( i.e. 10T to 100T)
- Loading accuracy well within  $\pm 1\%$  conforms to IS: 1828 / BS: 1610.

### Technical Specification For Analogue Versions -

MODEL	TFUN-100	TFUN-200	TFUN-400	TFUN-600	TFUN-1000
Measuring Capacity (KN)	100	200	400	600	1000
1'st Range (KN)	0 - 100	0 - 200	0 - 400	0 - 600	0 - 1000
Least Count (KN)	0.2	0.4	0.8	1	2
2'nd Range (KN)	0 - 50	0 - 100	0 - 200	0 - 300	0 - 500
Least Count (KN)	0.1	0.2	0.4	0.5	1
3'rd Range (KN)	0 - 25	0 - 50	0 - 100	0 - 120	0 - 250
Least Count (KN)	0.05	0.1	0.2	0.2	0.5
4'th Range (KN)	0 - 10	0 - 20	0 - 40	0 - 60	0 - 100
Least Count (KN)	0.02	0.04	0.08	0.1	0.2
Overall dimensions approx. (mm)	1950 x 800 x1850	2000 x 800 x 1900	2100 x 800 x 2060	2200 x 800 x 2400	2350 x 800 x 2700
Weight approx (kg)	1200	1300	2100	3100	4100

### Common Specification For All Versions -

MODEL	TFUN- 100	TFUN-200	TFUN-400	TFUN-600	TFUN-1000
Measuring Capacity (KN)	100	200	400	600	1000
Max. Tensile Clearance at fully descended piston position (mm)	50 - 700	50 - 700	50 - 700	50 - 800	50 - 850
Max. Clearance for Compression Test (mm)	0 - 700	0 - 700	0 - 700	0 - 800	0 - 850
Distance between columns (mm)	450	500	500	600	750
Piston Stroke (mm)	150	200	200	250	250
Max. straining speed at no load (mm/min)	300	150	150	100	80
Power Supply	.				
Total H.P.	1.5	1.5	2.5	2.5	4.0

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### Standard Accessories For All Models -

MODEL	TFUN-100	TFUN-200	TFUN-400	TFUN-600	TFUN-1000
Pair for compression plate dia. (mm)	120	120	120	120	160
For Round Specimen dia. (mm)	10 - 20	10 - 20	10 - 25	10 - 25	10 - 30
For Round Specimen dia. (mm)	20 - 30	20 - 30	25 - 40	25 - 40	30 - 50
For Round Specimen dia. (mm)	-	-	-	40 - 55	50 - 70
For Flat Specimen Thickness (mm)	0 - 10	0 - 10	0 - 15	0 - 15	0 - 22
For Flat Specimen Thickness (mm)	10 - 20	10 - 20	15 - 30	15 - 30	22 - 44
For Flat Specimen Thickness (mm)	-	-	-	-	44 - 65
Max. width of Flat Specimen (mm)	50	50	65	70	70
Adjustable Roller Support of width (mm)	150	150	150	160	160
Diameter (mm)	30	30	30	50	50
With Max. adjustable clearance (mm)	450	500	500	600	800
Punch tops of radius (mm)	6	6	10	16	16
Punch tops of radius (mm)	12	12	16	22	22

We Reserves the rights of change in the specifications due to constant improvements in design.