

Digital Tensile Testing Machine



	2500 N (250Kg)	50KN (5Tons)
Capacity of Load frame	2500 N	50 KN
Load cell capacity	200 N to 2500 N	50 KN
Max. Crosshead Travel (excluding grip)	750 mm	1000 mm
Max. Working Width	-	400 mm
No. of Screws	1 no	2 nos
Load measurement	By Load Cell	By Load Cell
Speeds :		
A) Standard :	2 speeds	2 speeds
Speed Provided	50 / 500 mm / min	25 / 50 mm / min
B) Optional : DC Variable Speed Drive	50 to 500 mm / min	50 to 200 mm / min
Elongation Measurement Standard :		
1 mtr. Scale	1 mm Resolution	1 mm Resolution
Optional		
a) Digital Encoder	L.C. : 0.1mm	L.C. : 0.5mm
b) Digital Vernier	L.C. : 0.01mm	L.C. : 0.1mm
Load Accuracy	+Å 1% As per IS : 1828 or BS 1610	
Grip (Tensile Test)	Screw grip	Wedge action grip
Overall Dimension L X D X H (approx. in mm)	660 X 400 X 1700	660 X 450 X 2100
Approx. Weight	65 kg	150 kg
Supply Voltage		
a) STD machine	3 phase : 415V : 0.25HP	3 phase : 415V : 0.5HP
b) DC Variable speed drive machine	Single phase : 230 V	Single phase : 230 V
Limit Switch :		
Upper & Lower limits	✓	✓
Overload protection	✓	✓

For Materials like :

Rubber, Latex : Peel, Adhesion & Bond Test
 Wood, Plywood : Nail Withdrawal
 Paper : Tape, Cardboard, Adhesion & Peel Test
 Textiles : Fibre, Yarn, Thread & Fabric
 Plastic, Teflon, PVC & Rexins
 Composites, FRP & Ceramics.
 Steel
 Ferrous & Non-Ferrous Metals

Optional Attachment Available :

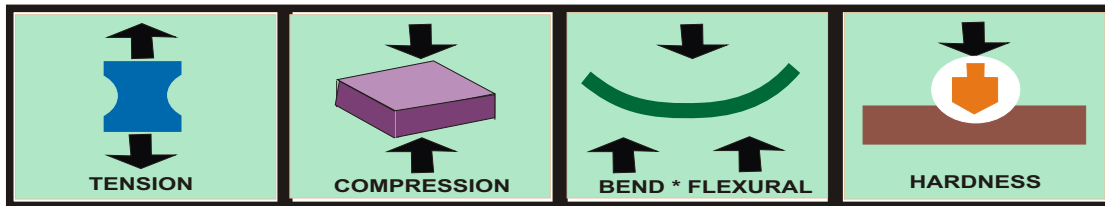
Hand Operated Press Various Sizes of Dies
 Compression Plate
 3 PT Bend Test
 Shear Test Attachment
 Hardness Test
 180° Bend Test
 Peel Test, Adhesion Test
 Nail Withdrawals Test
 Electronic Extensometer for 0.2%
 Computer Interface

FINE MARKETING

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UNIVERSAL TESTING MACHINE

Mechanical & Computer model



Universal Testing Machine of capacities 100,200,400,600 and 1000 KN

SALIENT FEATURES

Machines are available in mechanical & digital / computerized model.

This will enables you to see the Load vs Displacement curve, Maximum Load, Maximum Displacement, U.T.S.-% Elongation.

Accuracy conforming to IS 1828 Gr.1

Simplified design for ease of operation and maintenance

Safety provisions against over load/over travel

Number of extra accessories available for different tests.

Machine with auto load features

Calibration in kgs available on request

Middle beam has motorized up & down adjustments.

Easy adjustment of straining rate

Highly rigid loading frame