TENSILE TESTERS

Coupled with experience and expertise gained by manufacturing testing machines since 1966, the new "JUSTY" testers offers a unique standard of accuracy, easy operations, reliability and consistency.

TENSILE TESTING MACHINE for determining the tensile strength and elongation of materials like wires, cables conductors, plywood, ferrous & non-ferrous material.

SALIENT FEATURES

- High accuracy of ± 1% as per IS 1828.
- Three measuring ranges for accurate testing.
- Simple in construction and control for easy operation and maintenance.
- Load and Elongation Recorders are provided where ever necessary.
- A number of straining speeds are available for selection.
- Attachments for conducting compression, bending shear tests.
- **DIGITAL DISPLAY** of load and elongation can be provided with Data recording printer.
- Wide range of grips to suit variety of materials and shapes.
- Provision of adequate safety devices.

IMPACT TESTERS

IMPACT TESTER Model JIT - 30 is designed for conducting CHARPY, IZOD and IMPACT TENSION Tests. The test methods confirm to IS 1757-1961, IS : 1499-1959 and BS : 131 : Part 2 & 3, IS : 1598-1960, BS : 131part I and ASTM E 32-47T.

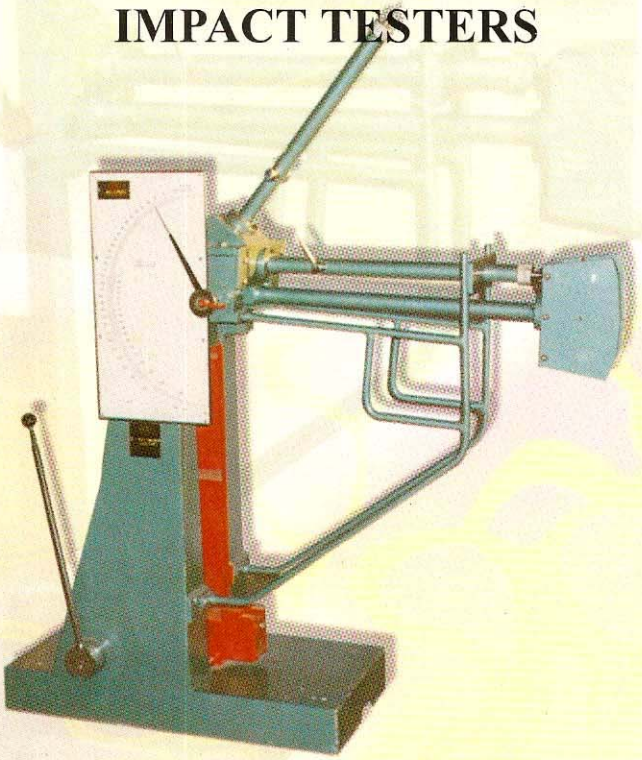
The impact energy absorbed by the specimen during rupture is measured as the difference between the height of drop before rupture and the height of rise after rupture of the test specimen and is read on the dial scale.

SALIENT FEATURES

Release of Pendulum by 'Two Hand Operation'

Safety Guards for Protection

Breaking Arrangement is provided for stopping the pendulum



Model JIT - 30

TECHNICAL DATA

TENSILE TESTERS

Model		JTM-20	JTM-50	JTM-100	JTM-250	JTM-500	JTM-1000	JTM-2500	JTM-5000	JTM-10000
Capacity Kgf.		20	50	100	250	500	1000	2500	5000	10000
Measuring Range Kgf.	I	0-5	0-10	0-20	0-50	0-100	0-200	0-500	0-1000	0-2500
	II	0-10	0-25	0-50	0-100	0-250	0-500	0-1000	0-2500	0-5000
	III	0-20	0-50	0-100	0-250	0-500	0-1000	0-2500	0-5000	0-100000
Least Count Range Kgf.	I	0.01	0.02	0.05	0.1	0.2	0.5	1.0	2.0	5.0
	II	0.02	0.05	0.1	0.2	0.5	1.0	2.0	5.0	10.0
	III	0.05	0.1	0.2	0.5	1.0	2.0	5.0	10.0	20.0
Elongation Scale Least Count		1 MM				1 MM		1 MM		
Grip separation Minimum		25 MM				25 MM		25 MM		
Maximum		1000 MM				750 MM		600 MM		
Traverse Speeds Standard Speeds		10 Speeds, 50, 100, 150, 200, 225 250, 300, 400, 450 & 500 MM/MIN				100 MM/Min.		25 MM/Min		
Optional Variable Speed drive stepless variation		50 to 500 MM/Min.				10 to 100 MM/ Min.		2.5 to 25 MM/Min		
Power Supply		3 Phase, 400/440 Volts, 50 C/S A.C.								

IMPACT TESTERS

	Charpy and Impact Tension Test	Izod Test
Pendulum drop angle	140°	85°21'
Pendulum effective weight	20.59 kgs.	21.79 kgs.
Pendulum speed	5.3465m/sec.	3.857m/sec.
Pendulum impact energy	30kg-m	16.52 kg-m
Min. graduation	0.2kg-m	0.14 kg-m
Distance of axis of hammer rotation and centre of test piece/point of test piece hit by hammer.	825 mm	825 mm
Max. permissible loss by friction & windage, etc.	0.5% of max. impact energy	

Charpy Test	Izod Test	Impact Tension Test
A) Striking Edge: Angle : 30°±1 Radius of curvature : 2.25 mm Width : 18 mm	A) Striking edge : Angle : 75° Radius of curvature : 0.75 mm Horizontal : 10° Vertical relief : 5°	A) Striking fork Distance between forks : 36 mm Radius of curvature : 1 mm
B) Support : Distance between arms : 40 mm Sloping angle : 0° Relief angle : 10° Radius of curvature : 1.25 mm	B) Support : For gripping specimen with dimension of 10 x 10 mm	B) Support : For clamping specimen with dimensions as following Diameter : 6.4 mm Length (Total) : 68 mm Length (Measuring) : 25.4 mm Thread of supporting : M10 x 1.5

Machine Dimension 935 (L) X 430 (W) X 2070 (H) mm (approx.)

Weight 550kg. (approx.)

Due to continuous R&D activities manufacturers reserve the right to amend design without notice.

Manufacturers :

JUST MACHINE TOOLS

8/34, Kirti Nagar Industrial Area, New Delhi - 110 015 (India) Phone : 5939435, 5430024 Fax : 5100732

Web Site : www.justytest.com, E-mail : justy@del3.vsnl.net.in