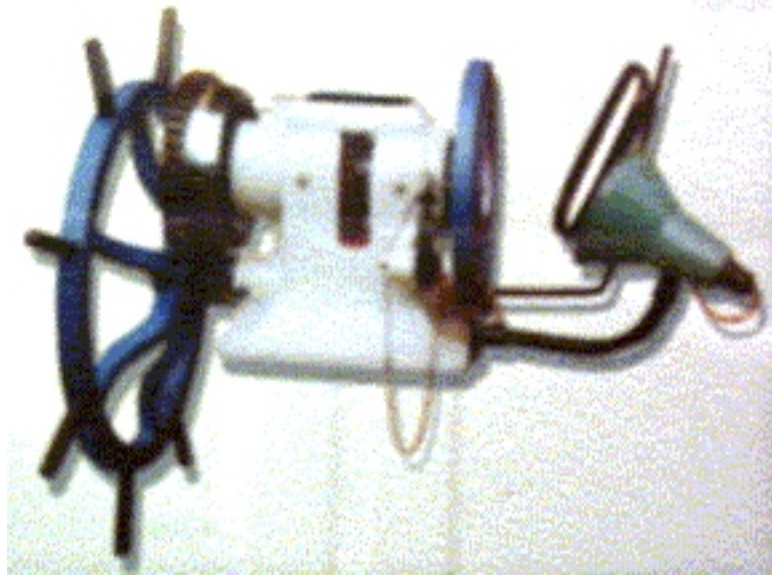


ERICHSEN CUPPING TESTING MACHINE



FEATURES :

This is designed to reveal the cupping qualities of metal sheets & stripes and also to test the adhesion, elasticity & porosity of coats of paints or varnish by way of comparison. The appearance of the material after fracture gives an indication of the grain structure of the material & also of its constitution to some extent.

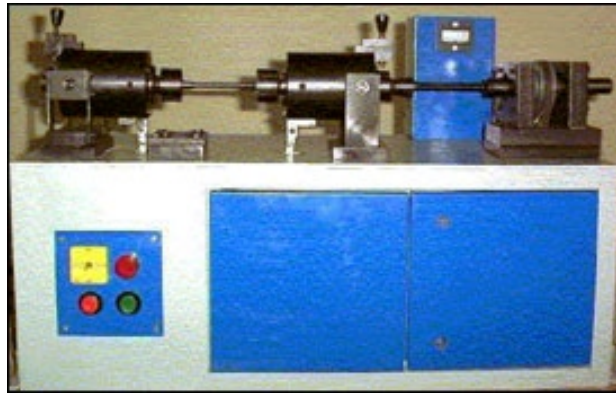
The machine conforms to IS – 1756 – 1974

TECHNICAL DATA :	
Sample Width	70 to 90 mm.
Sample Thickness	0.1 to 2 mm
L. C. Micrometric device	0.01 mm
One turn of hand wheel	1.25 mm advance of penetrator
Overall dimensions (Approx.)	450 x 500 x 500 mm
Weight (Approx.)	20 kgs.

FINE MARKETING

15-A, BHARAT INDUSTRIAL ESTATE, LAKE ROAD, BHANDUP (WEST), MUMBAI – 400 078
TEL (022) 6799 5481 , 6508 2530, 2596 5796 FAX: (022) 2596 4859
Email : siyer@bom5.vsnl.net.in Web:www.finemarketingindia.com

FATIGUE TESTING MACHINE



APPLICATION & OPERATION

This machine is used to test the fatigue strength of materials and to draw S-N diagram by research institutes, laboratories, material manufacturers and various industries. This is a rotating beam type machine in which load is applied in reversed bending fashion. The standard 8 mm dia specimen is held in special holders at its ends and loaded such that it experiences a uniform bending moment.

The specimen is rotated at 4200 rpm by a motor. A complete cycle of reversed stresses in all fibres of the specimen is produced during each revolution. The bending moment is applied with a lever system and can be easily changed by moving a weight over the lever. Total number of revolutions at which the specimen fails are recorded by a mechanical counter. An interlocking system puts off the motor at specimen failure. Machine meets requirements of IS 5075-1969

Features :

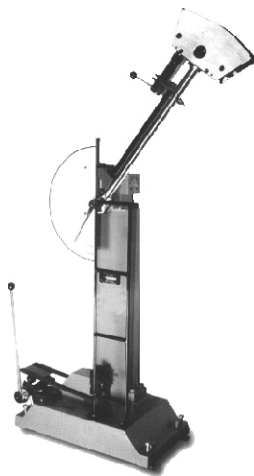
- Light weight, compact size, simple design
- Table model, no need of foundation
- Simple lever system for changing load
- Accurately calibrated as per IS 5075
- Calibration in Nm available on request

1) Maximum bending moment	Kg Cm	200
2) Bending moment adjustable	Kg Cm	30-200
3) Ranges	I-Kg Cm II-Kg Cm	30-100 100-200
4) Gripping dia of specimen	mm	12
5) Testing dia of specimen	mm	8
6) Rotating speed	rpm	4200
7) Accuracy of applied bending moment		± 1%
8) Digital Counter No. of digits		6
9) Power required	HP	0.5
10) Main supply	A.C. 3 ph.	440V, 50 Hz
11) Overall size (approx.)	mm	1000 L, X, 500W X 600 H
12) Weight (approx.)	Kg	120

FINE MARKETING

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IMPACT TESTING MACHINE



IMPACT TESTING MACHINE : TECHNICAL SPECIFICATION

DESCRIPTION	Model		
	IT-300		IT - 300-ASTM
	CHARPY	IZOD	CHARPY
Pendulum Drop Angle	140°	90°	140°
Pendulum Effective Weight (Kg)	21. 300	21. 300	22. 350
Striking Velocity of Pendulum (m/sec)	5. 308	3.994	5.18
Pendulum Impact Energy(Joules)	300	170	300
Min. Scale Graduation(Joules)	2	2	2
(only for FIT- 300 - D)	0.5	0.5	---
Distance between axis of Pendulum to centre of strike (Length of Pendulum in (mm)	813. 5	813. 5	775
Max. total friction & windage losses	0.5% (of Max. Impact Energy)	0.5% (of Max. Impact Energy)	0.75% (of Max Impact Energy)
Striking Edge :-	30°	75°	30°
a) Angle			
b) Radius of Curvature (mm)	2	0.7	8
c) Width at tip(mm)	18	---	4
d) Horizontal relief (Degree)	---	10°	---
e) Vertical relief (Degree)	---	5°	---
Specimen Anvils and supports :-	10 x10	10 x 10	10 x 10
a) Suitable for max. specimen cross section (mm)			
b) Distance between specimen Anvils (mm)	40	---	40
c) Included angle of Anvil tip(Degree)	79°	---	80°
d) Radius of Curvature (mm)	1	---	1
Overall size(mm)(approx)	760(L)x 440(W)x 1925(H)		935(L)x 430(W)x 2070(H)
Net Weight(kg)(approx)	For Model IT-300-N : 300 For Model IT-300-EN : 450 For Model IT-300-D : 450		

FINE MARKETING

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