



TUBULAR IMPACT TESTER

CODE : 10027-XX

As per BS3900-E13/ISO 6272, ASTM D 2794

Surface coatings are regularly subjected to damage by impact. This instrument provides proper evaluation of the coating resistance to impact by falling weight method.

The instrument consists of a graduated (in both Cm and Inches) vertical seamless light weight aluminum tube, mounted on a heavy solid base. This tube acts as a guide for a pre-determined weight with indenter & handle, and an adjustable weight holding ring.

The height of fall, means the force of impact can be altered by adjusting the ring guide from variable heights up to 1 meter onto the sample panel firmly placed on the base plate. The force of impact can be increased or decreased by replacing the falling weights.

All clamping arrangements are so designed to hold the guide tube firmly, without scratching the guide tube.

The basic instrument has been designed as per ASTM D 2794 with Ball indenter size of 16mm, falling ball weight 2lbs.

BS 3900-E13 /ISO 6272 with Ball indenter size of 20mm, falling ball weight 1 kg.

Conformity to other standards can also be provided on request.

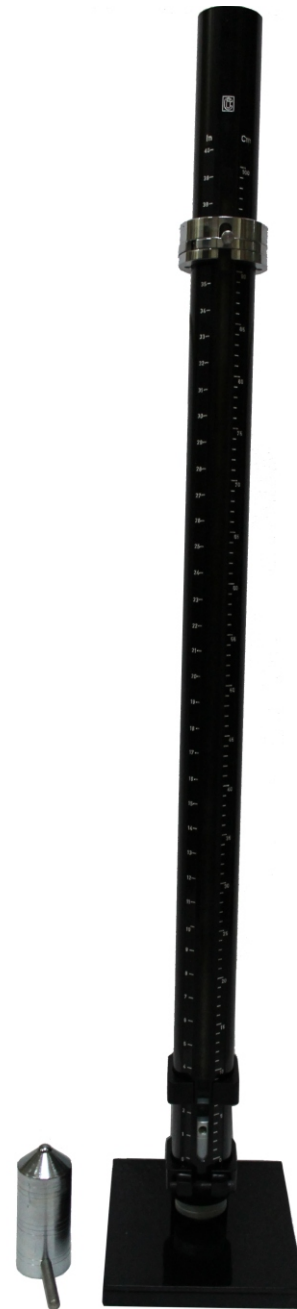
APPLICATIONS

It is used in various fields like:

Paints,
Varnishes,
composites
etc.

Plating,
Plastic coatings,
Coil coatings

Plastics,
Resins
Laminations





STANDARD MODEL : 40" tube length and 2lbs 1Kg. weight (approx.)
WEIGHT : 14.5Kgs. (approx.)
DIMENSIONS : 250 x 225 x 1200 (approx.)

ACCESSORIES

10027-01 : 2lb/1Kg. weight
10027-02 : 4lb/2Kg. weight
10027-03 : 6lb/3Kg. Weight
10027-04: With die sets and weights for use as DUPONT impact tester

VARIABLE IMPACT TESTER CODE: 10027-10

STANDARDS

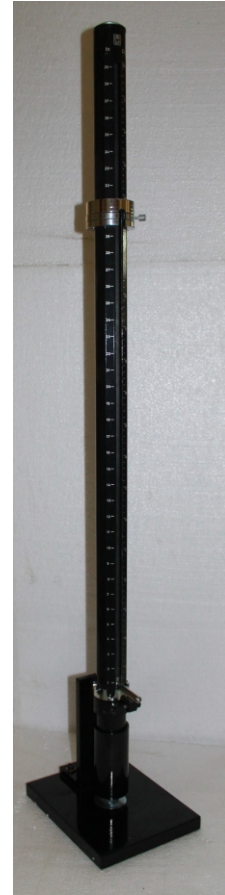
The instrument is supplied with various accessories, so that the user can convert the system to test as per many different national and international standards like ISO:6272-1,2, ASTM D 2794,, ASTM G14, JIS-K5600, EN:12206, 13523, AAMA 2605,QUALICOAT 2006, 2008 and other similar standards.

STANDARD	WEIGHT	BALL DIA	DIE
ISO6272, DIN55669 ECCA T5	1 + 1Kg	20mm	27mm
ASTMD2794	2lbs	15.9mm(5/8")	16.3mm(0.64")
ECCAT5, T6, ASTMD 3029	2 + 2lbs	15.9mm(5/8)"	16.3mm(0.64")
NFT 30-017,	1 Kg	23mm	22mm
SNV 27109	2lbs	12.7mm(1/2")	12.7mm(1/2")



CONSISTS OF

- a. A dual graduated guide tube with both inches and Cm graduation.
- b. A sturdy base with inbuilt spirit level.
- c. A set of 6 dies of sizes 13.9,16.3,17,20,21.2,27 inner dia(s)
- d. Falling weight of 1 kg
- e. 1 Kg add-on weight
- g. Falling weight of 2lbs
- h. 2 lbs add-on weight
- l. A set of 4 indentors of ball dia 12.7, 15.9, 20, 23
- j. Easy sample clamp which also acts as a protection.
- k. Distance Ring to control indentation depth from 1mm to 9mm
- l. Reverse Impact Head
- j. Holding Ring



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