

CRUSH TESTER



Marketed by:



**SAURASHTRA
SYSTOPACK PVT. LTD.**

Serviced by:



**SAURASHTRA MARKETING
CORPORATION**



Manufactured by: **UBIQUE, Pune**

CRUSH TESTER

The first of its kind in India, to fulfill the basic need of quality control and development for manufacturers and users of paper packaging. An electronic instrument to measure and directly indicates the Compression Strength of small cartons, Edge Crush, Flat Crush and Pin Adhesion of Corrugated Board and Ring Crush and Corrugating Medium Test (CMT) of Paper and Paperboard.

An useful equipment to determine the probable compression strength of corrugated and solid fibreboard boxes by testing the paper and paperboard used in making such boxes.

Available in Three Models

- I Digital Model
- II Micro Processor-based Digital Model
- III Fully Automatic Model with Integrated Computerised Touch Screen Panel

I Digital Model



Salient Features

- Direct Digital Read-out of Load
- Electro-mechanical Loading System
- Sophisticated Electronic Controls for precision and easy operation
- Peak-hold facility
- Supplied with attachments for testing Flat Crush, Edge Crush and Ring Crush. Other attachments at extra cost.

Technical Specifications

Load Cell Capacity	500 kgf
Load Cell Sensitivity	± 0.2% Full Scale
Load Indicator Resolution	0.1% F.S.
Load Indicator Accuracy	± 0.4% F.S.
Platen Size	100 mm dia
Admit between Platen	20-75 mm
Loading Speed	10±2.0 mm per minute
Power Requirement	0.5 kW Single Phase 220 Volts
Dimensions in mm (L x W x H)	550 x 620 x 840
Weight in kg	80 (approx.)

II Micro Processor-based Digital Model



Additional Features

- Printer Port facility to generate printed report (80 column Dot Matrix printer to be provided by the user).
- RS 232 Port, with necessary software, to transfer data to computer (computer to be provided by user).

UBIQUE CRUSH TESTER TEST REPORT					
USER : ABC LTD.					
Party : XYZ LTD.		: 4444444A		OPERATOR : 66666666	
REF A : 11111121		REF B : 2222225		REF C : 33A3333D	
GSM : 0190		PLY : 0001			
TEST TYPE : RING CRUSH					
LIMITS HI: 13.0 Kg LO: 1.0 Kg					
SAMPLE	DATE	TIME	TEST VALUE	REJECT	ACCEPT
01	16/09/98	04:15:01 PM	0.48 Kg	----	LO
02	16/09/98	04:16:29 PM	2.83 Kg		OK
03	16/09/98	04:17:20 PM	3.04 Kg		OK
04	16/09/98	04:17:51 PM	0.69 Kg	----	LO
05	16/09/98	04:18:26 PM	0.62 Kg	----	LO
06	16/09/98	04:19:23 PM	1.74 Kg		OK
07	16/09/98	04:19:40 PM	12.90 Kg		OK
08	16/09/98	04:20:41 PM	10.27 Kg		OK
TOTAL SAMPLES		: 08			
VALID SAMPLES		: 05 (62.5%)			
REJECT (HI) SAMPLES		: 00 (0.0%)			
REJECT (LO) SAMPLES		: 03 (37.5%)			
MIN VALUE OF VALID SAMPLES		: 1.75 Kg			
MAX VALUE OF VALID SAMPLES		: 12.90 Kg			
AVERAGE VALUE OF VALID SAMPLES		: 6.15 Kg			

Specimen of PRINTOUT generated by Micro Processor-based Model

III Fully Automatic Model with Integrated Computerised Touch Screen Control Panel

The "Touch Screen Range of Equipments" will enhance your testing practices and experience to a great level. Every feature will impact your operation in a big way.

Features that Enhance Applications

- **Easy to use Control Panel:**
Provide a MMI (Man - Machine Interface) on a touch panel.
- **Graphic User Interface:**
Helps you navigate through procedures and functions.
- **On-line Reporting:**
Comparative reports in reference to previously conducted test can be generated on the machine itself to help immediate comparison and spot analysis.
- **Networking:**
Easy network compatibility to help you remotely access, view and draw data over local network of your workplace.
- **Enhanced Storage:**
Data can be stored for long duration and selective maintenance of data can be done for ease of reference in the future.

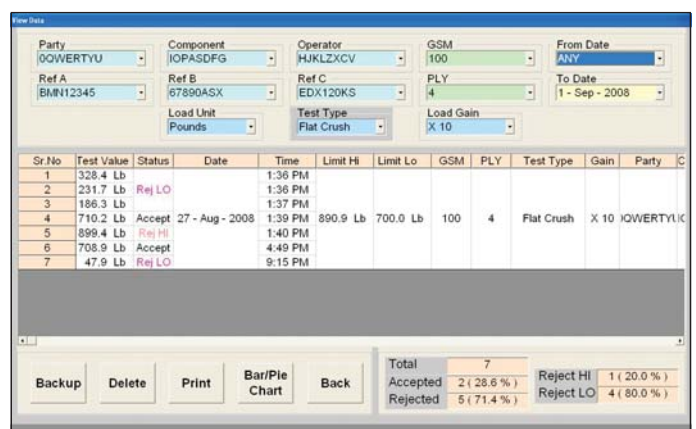
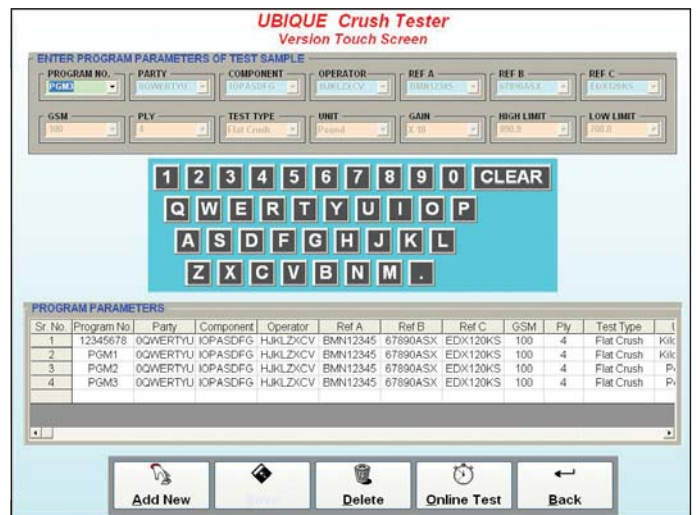
Advantages

- Flexibility to access different menu options with ease.
- Self-guided User Interface ensures maximum user-friendliness. All test parameters can be programmed referred, updated, edited and saved for future use.
- The on-line reporting facility allows to carry out comparative analysis of the different tests that have been conducted.
- Networking ability takes testing to the next level.
- Touch Screen range of equipments are able to communicate with each other through a centralized Lab Management Software.
- Enhanced storage facility allows building a vast data library of all tests carried out at various points.

Suitable to Test as per:

Flat Crush Test	
TAPPI	T 808 om-92
FEFCO	TM 6 1986
IS	4006 (Part II) 1976
Edge Crush Test	
TAPPI	T 811 om-88
FEFCO	TM 8 1997
IS	7063 (Part II) 1976
Ring Crush Test	
TAPPI	T 818 om-87
IS	12192 (2002)
FCBM	19:98
Pin Adhesion Test	
TAPPI	T 821 om-96
FEFCO	TM 11 1985
IS	4006 (Part I) 1966
Concora Medium Test (CMT)	
TAPPI	T 809 om-99
IS	7263 (1994)

Available in Two Models



THE WIDEST RANGE OF TESTING EQUIPMENTS FOR PAPER, PAPERBOARD AND PACKAGING

BURSTING STRENGTH TESTERS



Regular Single Pressure Gauge Model



Deluxe Single Pressure Gauge Model



Deluxe Dual Pressure Gauge Model



Digital Economy Model



Fully Automatic Digital Model



Fully Automatic Micro Processor-based Digital Model



Two-in-One Dual Pressure Gauge Model



Two-in-One Digital Economy Model



Two-in-One Fully Automatic Micro Processor-based Digital Model



Fully Automatic Model with Integrated Computerised Touch Screen Control Panel

BOX COMPRESSION STRENGTH TESTERS



Digital Model



Fully Automatic Model with Integrated Computerised Touch Screen Control Panel

CRUSH TESTERS



Digital Model



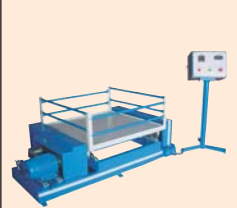
Fully Automatic Model with Integrated Computerised Touch Screen Control Panel

UNIVERSAL TESTING MACHINE



Digital Model

VIBRATION TESTER



TENSILE STRENGTH TESTER



Digital Model

PUNCTURE RESISTANCE TESTER



Mechanical Model

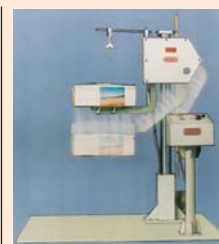


Digital Model

DROP TESTERS



Mechanical Model



Pneumatic Model

TEAR RESISTANCE TESTER



CALIPER THICKNESS GAUGE



Analog Model



Digital Model

SUBSTANCE INDICATOR



Mechanical Model



Digital Model

COBB TESTER



ALSO AVAILABLE

- Paper Tube and Cone Compression Strength Tester
- Moisture Tester
- Specimen Cutter for GSM, Ring Crush & Edge Crush Tests
- Specimen Maker (Flutter) for Concora Medium Test

All digital models are also available with Integrated Computerised Touch Screen Control Panel

Since we are continuously improving and upgrading the equipment, the design and specifications of all models featured here are subject to change without notice.

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