



HANATEK
INSTRUMENTS



www.hanatekinstruments.com

HANATEK **CBT1**
CREASE & BOARD STIFFNESS
TESTER

- Board stiffness
- Crease recovery
- Crease to board stiffness ratio

Hanatek products are exclusively
manufactured and distributed by



CBT1 Crease & Board Stiffness Tester

PREDICT PACKAGING PERFORMANCE

The CBT1 gives board manufacturers, printers and packing companies the ability to predict the 'runability' of a sample board or finished carton before committing valuable materials or machine time.

Board Stiffness and Crease Recovery are key characteristics that affect the running performance of cartons on high speed packaging machines.



FEATURES

Independently operated jaws are rotated through pre-defined angles, 90° for crease recovery and 15° for board stiffness.

AUTOMATIC DWELL TIME

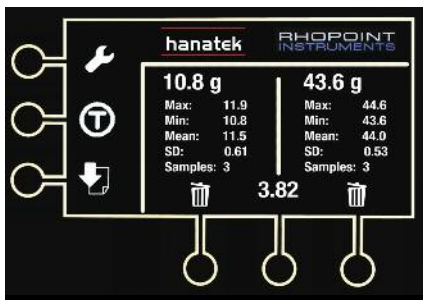
15 second measurement delay to eliminate operator variability (according to BS 6965).

AUTOMATICALLY CALCULATES STIFFNESS / CREASE RATIO

Results calculated and displayed instantly on screen. No additional software is required for data analysis. BS 6965 advises that optimum running cartons should have a ratio between 1.5 and 3 (machine direction) and 3 and 7 (cross direction).

AUTOMATIC CALCULATION OF STATISTICS

Full statistics are displayed for both crease recovery and board stiffness.



DATA HANDLING

Easy printing of results to Hanatek label printer; all results are date and time stamped.

TEST JAW OPTION

ROUNDED CORNER CREASES

Measure the crease resistance at 90° of rounded corner packaging.



SAMPLE PREPARATION OPTIONS

ONE STEP SAMPLE PREPARATION

Sample preparation is easy with the Hanatek universal sample cutter.



The crease to be tested can be cut with a single process therefore eliminating errors associated with traditional crease sample preparation (usually a 3 step process). Multiple test pieces can be cut from the same sample saving valuable test time. Hanatek offers custom cutting dies to suit most packaging applications, e.g. friction, tensile, grammage, rub / abrasion.

DEDICATED CREASE & BOARD SAMPLE CUTTER



APPLICATIONS



Printed carton board



Unprinted carton board

RELATED PRODUCTS

CARTON CREASE PROOFER

Produce product quality crease samples without committing valuable machine time.

The CCP comes complete with commercially produced rules and dies which are identical to those used on a full sized cut and crease machine.

Crease 18 crease channels.



CARTON FORCE ANALYSER

For more repeatable testing and the ability to test small samples (e.g. every crease on a tobacco carton) the Hanatek Carton Force Analyser should be used.



CBT1 Crease & Board Stiffness Tester

SPECIFICATIONS

STANDARDS	BS6965, BS 3748, BS ISO 2493-1:2010, TAPPI T556 (15° ONLY), SCAN P29, PMI 068
RESOLUTION	0.1g
ACCURACY	0.1g
RANGE	0-450g gF
POWER	110V/230V
CERTIFICATE	UKAS traceable calibration certificate
SIZE	(H) 230 x (W) 175 x (D) 250mm
WEIGHT	7.6kg
PACKED WEIGHT	13.4kg
PACKED DIMENSIONS	(H) 420 x (W) 490 x (D) 400mm
COMMODITY CODE	9024 8011

EXTRAS

CALIBRATION CHECK WEIGHT

FREE EXTENDED WARRANTY

Register for a two year comprehensive warranty

CALIBRATION AND SERVICE

Fast and economical service via our global network of accredited calibration and service centres

OPTIONAL ACCESSORIES

- Rounded corner jaw
- Dedicated crease & board sample cutter
- Hanatek universal sample cutter
- Results printer



hanatek INSTRUMENTS	
www.hanatekinstruments.com	
CBT1 C&B Tester	
Instrument SN:	CBT1 31301004E
Last Calibred:	JAN 09 2014
Test Date:	Jan 09 2014
Test Time:	Thur 16:53:12
Board Stiffness	
Samples:	3
Max:	11.9 gF
Min:	10.8 gF
Mean:	11.5 gF
SD:	0.61
Crease Resistance	
Samples:	3
Max:	44.6 gF
Min:	43.6 gF
Mean:	44.0 gF
SD:	0.53
Average Crease:Board Ratio	
3.82	



Certificate no: FM 29741
ISO 9001:2008

LOCAL AGENT



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