

# hanatek



[www.hanatekinstruments.com](http://www.hanatekinstruments.com)

## CBT1 Crease & Board Stiffness Tester

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

Hanatek products are exclusively  
manufactured and distributed by

 **RHOPOINT**  
INSTRUMENTS

# 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

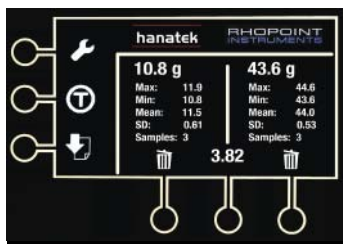
15 second measurement delay to eliminate operator variability (according to BS 6965).

### 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.



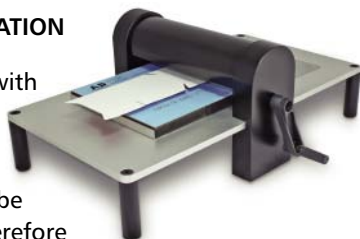
### DATA HANDLING

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

## 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

<b>STANDARDS</b>	BS 6965, BS 3748, ISO 2493, TAPPI T556, DIN 53121, SCAN P29
<b>RESOLUTION</b>	0.1g
<b>ACCURACY</b>	0.1g
<b>RANGE</b>	0-450 gF
<b>POWER</b>	110V/230V
<b>CERTIFICATE</b>	UKAS traceable calibration certificate
<b>SIZE</b>	(H) 230 x (W) 175 x (D) 250mm
<b>WEIGHT</b>	7.6kg
<b>PACKED WEIGHT</b>	10kg
<b>COMMODITY CODE</b>	9024 8091

## EXTRAS

### CALIBRATION CHECK WEIGHT

### FREE EXTENDED WARRANTY

Register for a two year comprehensive guarantee

### CALIBRATION AND SERVICE

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

## OPTIONAL ACCESSORIES

- Dedicated crease & board sample cutter
- Hanatek universal sample cutter
- Results printer



<b>hanatek</b> INSTRUMENTS	
www.hanatekinstruments.com	
<b>CBT1 C&amp;B Tester</b>	
Instrument No:	CBT1 31301004E
Last Certified:	Jan 02 2014
Test Date:	Jan 09 2014
Test Time:	Thur 16:53:12
<b>Board Stiffness</b>	
Samples:	3
Max:	11.9 gF
Min:	10.8 gF
Mean:	11.5 gF
SD:	0.61
<b>Crease Resistance</b>	
Samples:	3
Max:	44.6 gF
Min:	43.6 gF
Mean:	44.0 gF
SD:	0.53
<b>Average Crease:Board Ratio</b>	
3.82	



Certificate no: FM 29741  
ISO 9001:2008



LOCAL AGENT

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