Product name:	Product code:
Crease Bending Force Tester for Folding Cartons	CMI-IND-0104

Description

Measures the force needed to fold a creased board specimen through a set angle, indicating crease quality and fold-back tendency. Used by folding carton and mono carton converters when setting up creasing rules and matrices.

Technical specification

Standard Accessories

- Specimen cutter
- Calibration weight 5 N equivalent

Creased test strips are clamped so the crease line sits on the bending axis, and a load cell records the resisting force as the arm folds the specimen. Comparing machine and cross direction values shows whether the creasing depth and matrix width are right. Data helps reduce cracking on the fold and poor box erection on automated lines.

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Features

- Load cell measurement with peak and average force
- Programmable bending angle 0-90 deg
- Motorised bend arm with constant angular speed
- Specimen clamp with crease line alignment guide
- Result storage and mean calculation for sample sets

Technical Specifications

Force Range	0 - 10 N
Resolution	0.001 N
Accuracy	+/- 0.5 % of reading
Bend Angle	0 - 90 deg, resolution 0.1 deg
Bending Speed	5 deg/s adjustable
Specimen Size	38 mm x 50 mm
Reference Methods	ISO 5628, TAPPI T566 (principle), ISO 2493 related
Display	Colour touch screen
Power Supply	230 V AC, 50 Hz