

## INDUSTRIAL APPLICATIONS



### LCT Carton Tester

#### PRODUCT DESCRIPTION

The consistent flow of cartons through form and fill machines is governed by two important parameters; crease quality and frictional forces between carton surfaces.

The Cerulean LCT solution provides a measure of both these parameters. The instrument measures the torque required to fold the carton crease, as well as the coefficient of friction, which is the degree of slippage between the surfaces of adjacent cartons when fed from the magazine of the cartoning machine. Additionally, the instrument records the spring back force, which indicates the materials' resilience after the crease is folded. This is important as it can effect the way the carton behaves during the forming process and can also cause glued flaps to spring open before the adhesive has had time to cure.

The newly released V1.71 CT software is very versatile and enables the user to devise a structured carton performance assessment. The integrated data analysis package has been further improved to simplify the task of comparing and reporting measurement data.

End users gain from an improved running efficiency on form and fill lines while converters gain from a reduction in rejected cartons.

#### FEATURES

- Four Instruments in one:  
*Fold - Form - Spring back - Friction*
- Measures torque as a function of folding angle
- For cartons with creases up to 590 mm wide
- For cartons up to 8 mm thick
- New V1.71 CT data capture and analytical software
- Simple data export to central database

#### APPLICATIONS

- Carton board and micro flute primary packaging for FMCG, fragrances, drinks, lighting, etc.
- Carton board and Corrugated secondary packaging
- Packaging Converters
- Packaging End Users

# LCT Carton Tester

## OPTIONS

Friction Tester for LCT

## TECHNICAL SPECIFICATIONS

Electrical Requirements	100 — 240 V 47 — 63 Hz
Power Consumption	250 VA
Weight	26.5 kg
Ambient Operating Temperature	10 - 40 <sup>0</sup> C
Humidity	30 to 90% RH non-condensing
Dimensions	1000 mm (W) X 270 mm (H) X 420 mm (D)
Maximum Carton Width	590 mm
Maximum Carton Thickness	Up to 8 mm
Test Range	0 – 115° (User selectable)
Torque Range	0 – 4.0 Nm displayed to 3 d.p. <i>Scalable to give Nm per metre of Crease length</i>
Fold Rate	12° per second
External Interfaces	USB (cable supplied)

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