



Easy opening checked?
Easy Shear Check



Ce9 – Easy Shear Check.



Expensive panel tests.

Consumers want to remove their products cleanly and easily and want packaging that is easy to open.

This is a fundamental task for the packaging industry during product development in terms of seam geometry, pull tab geometry and sealable coatings. The goal is to produce the optimal seam: “easy opening” but still sealed perfectly. For this reason packaging, also for sensory panel tests, are tested with regards to their consumer friendliness for opening.

To be able to objectively evaluate and produce packages, a repeatable, real-world testing method is needed as well as information regarding which opening forces can be produced by a human hand.

Easy opening checked?

The only solution for testing whether the package really deserves to be called “easy opening” is an automated testing procedure – directly integrated in the production of the packaging manufacturer.

The device measures the force that is required to rip open a package (plastic, paper, fabric). The result is a characteristic curve of force and displacement.

The relevant quantities, such as tearing force, tear speed, tearing angle, etc. and the number of measurements can be specified freely. This makes it possible to display and store the values.

Results, curve progressions and tables are stored in a quality database. With the data interface to the production unit, it is possible for “Easy Shear Check” to quickly correct the production parameters. The device is mobile, allowing it to be set up anywhere in your production site.

“Easy opening checked?”

Benefits.

The Ce9 testing device has been developed for use in the production of packaging.

- Elimination of expensive panel tests
- Repeatable results
- Easy handling and operation
- Space-saving construction
- Can be used anywhere as tabletop or below-table device
- Height adjustable X stand
- Portable, rollable device
- Suitable for industrial settings
- Data interface to production/quality assurance
- Short reactions to production parameters possible
- At any time, freely selectable quantity with adjustable testing parameters
- Automatic archiving of production data as master data, results, values, tables, curves, statistics

Technical data

Packaging (bag) of plastic, composite materials, paper, cloth

Dimensions LxWxH	1000x330x250 mm
Weight	12 kg
Specimen dimensions	Example 270x460
Specimen thickness	Max. 8 mm
Resolution of the force measurement	± 0.001 N
Resolution of the path measurement	± 0.002 mm
Repeat accuracy	0.002 mm
Programming	Freely programmable using input mask
Evaluation	Result, data, curve
Result display	As traffic light and display
Interfaces	Ethernet fieldbus, wireless over router
Price in €	Starting at 24,800.-





What can we do for you?

The CMB team of experts is happy to realise your individual automation solution.

Talk to us about it!

Options

- ▶ Transport system with automatic provision
- ▶ Feed and separating technology
- ▶ Handling by Ci9 linear device – number of axes can be selected freely
- ▶ Dispensing operations by Cd9 dispensing device – medium and dispensing process can be selected freely
- ▶ Ci9 data management system – for order, master, recipe and quality data, traceability and operation and machine data
- ▶ Remote maintenance

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