

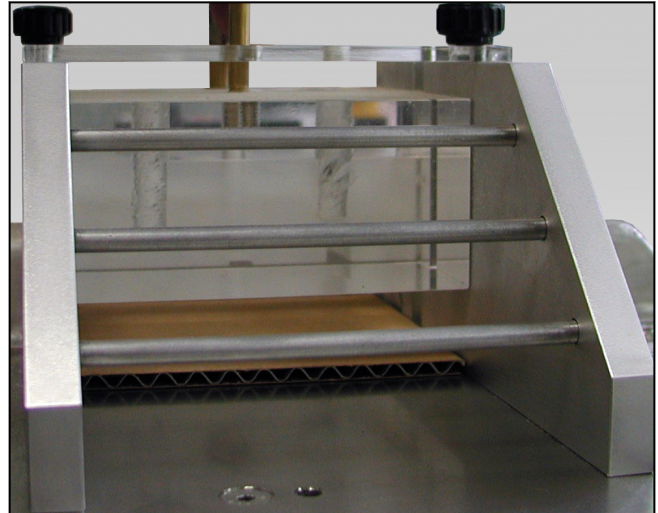
## Product Information

### Automatic edge crush test (ECT) - specimen saw

CTA: 46308 46309



ECT specimen saw



Corrugated board mounting via dead weight

#### Applications

The ECT specimen saw with automatic cutting guide is used to produce standard-compliant specimens for the edge crush test (ECT) on corrugated cardboard to EN ISO 3037.

#### Function description

Conditioning of board specimens must be performed in accordance with ISO 187.

A sharp blade is used to cut strips to the following dimensions: 100 mm perpendicular to the direction of rotation of the corrugator and 70 to 300 mm perpendicular to the corrugator rotation. The specimen sheets are then clamped in the saw.

A dead weight is used to ensure constant force distribution into the specimen material in the saw.

The specimen is sawed at a preset rotational speed. The automatic carriage advance enables exact reproducibility for a wide range of specimens, as all are sawed under the same conditions.

Following cutting the specimen is ejected and the next specimen can be sawed.

#### Advantages and features

- Specimens are manufactured with better than 0.05 mm parallelity.
- With optimum adjustment (rpm and carriage advance), ECT values 15–20% above the standard value can be obtained.
- Double saw blades with special tothing for optimum cutting performance and long service life
- Rotational speed steplessly adjustable in range from 5,000 to 24,000 rpm.
- Dead weight employed to ensure constant force application to specimen during sawing process
- Carriage advance operates automatically (manually adjustable), allowing specimens to be sawed under identical conditions
- Digital display with elapsed time counter and meter for monitoring wear on saw blades
- Connection for external extractor unit.

## Product Information

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#### Technical data

Type Item No.	Specimen saw 373482	
Rotational speed, steplessly adjustable	5000 ... 20,000	rpm-1
Specimen dimensions		
Height, maximal	25	mm
Width	25 ± 0.1	mm
Length	100 ± 0.5	mm
Dimensions		
Height	350	mm
Width	600	mm
Depth	600	mm
Weight, approx.	25	kg
Power input specifications		
Power supply	230	V
Power frequency	50	Hz