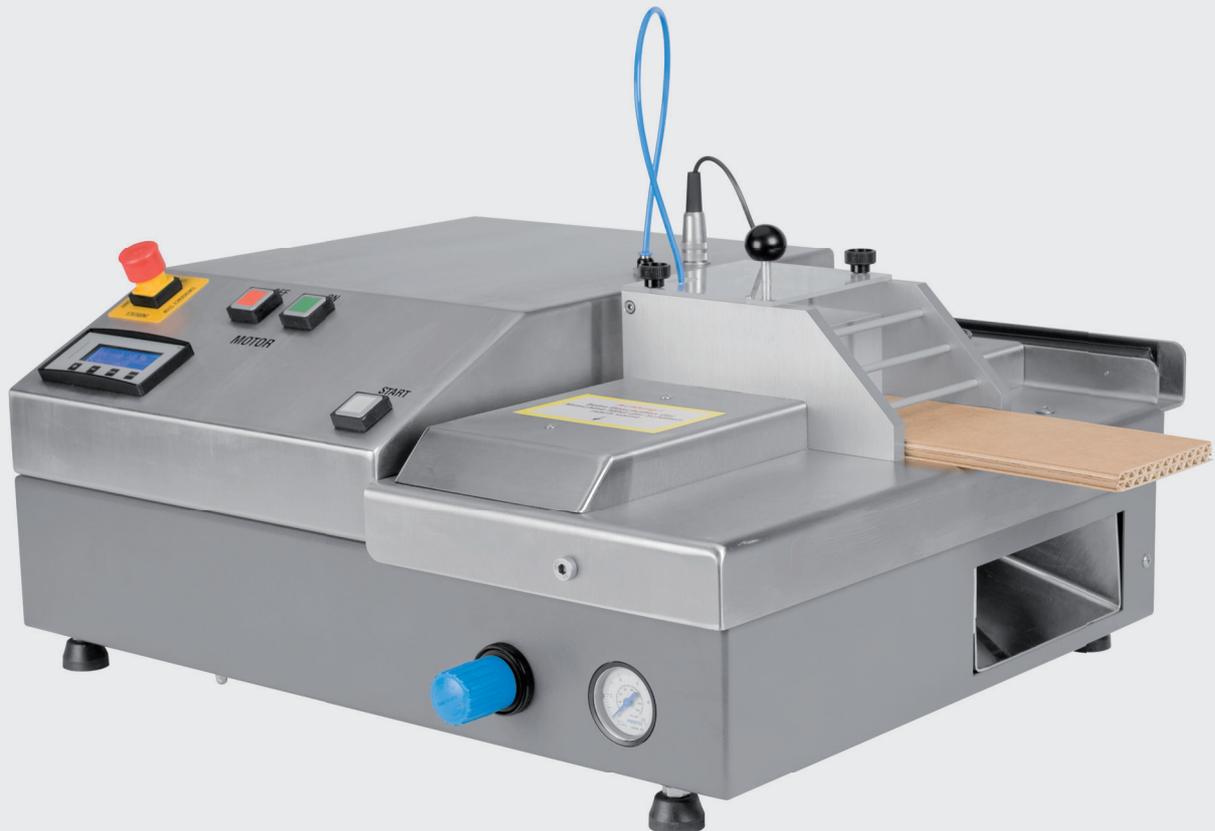




ECT – SAMPLE SAW

For the preparation of plane parallel samples for the ECT-test.



MOST IMPORTANT BENEFITS

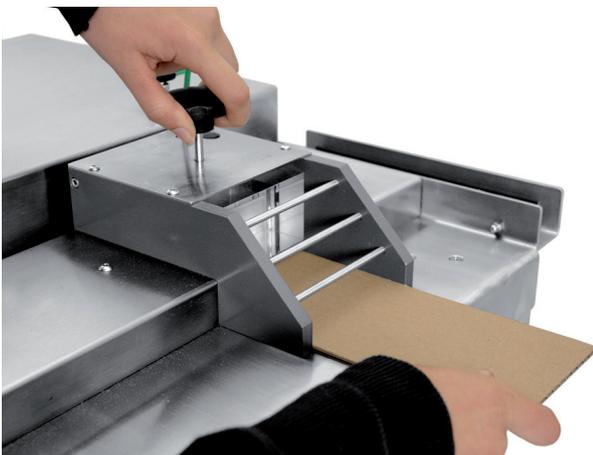
- ✓ Accurate and plane parallel cutting due to the circular saw blades
- ✓ Highspeed-motor with up to 12.000 rpm adjustable
- ✓ Automatic cleaning and dust avoidance
- ✓ Pneumatic cutting slide
- ✓ Automatic sample ejection

PRODUCT DESCRIPTION

The ECT sample saw is different to the regular system “Billerud” because it cuts using circular saw blades, rather than a parallel blade movement. This allows a precise cut (for a direct comparison between the two systems, see pages 134 – 135). The compact and robust stainless steel case contains all the components necessary for the process, which consist of sample slide with sample feed, and integrated circular saws below, the control unit with integrated motor and controls. The sample slide travels backward and forward pneumatically, and the cut samples are ejected by compressed air. To prevent dust there is a suction cleaner connection on the back of the unit, to which the included suction cleaner is attached.

TEST DESCRIPTION

Corrugated board, cut to 100 mm in width, is inserted into the sample feed, and automatically held in place by the binder. Motor and suction cleaner are started by simply touching a button. Then the start button is pressed, to start the cutting process. The sample slide travels slowly backwards over the circular saw blades and the sample is parallel cut to exactly 25 mm. This is then ejected via compressed air and the sample slide returns to the start position. The corrugated board can then be fed further in and more samples can be cut. On completion of the cutting operation, motor and suction cleaner are switched off simply by touching a button.



Samples automatically held in place by the binder

TECHNICAL DATA

DEVICE/INSTRUMENT

ECT sample saw

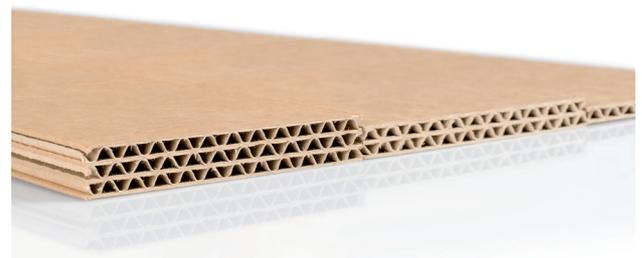
- Sample cutting up to a thickness of 20 mm
- Accurate and plane parallel cutting due to the circular saw blades
- Highspeed-motor: up zu 12.000 rpm adjustable
- Automatic cutting and sample ejection
- Automatic cleaning and dust avoidance due to the suction cleaner
- Cut counter
- Optional:
Suction cleaner
Substitute blades

INSTALLATION REQUIREMENTS

Electrical connection	200 – 240 V / 50 – 60 Hz / B 10 A
Water connection	No
Compressed air	4 – 6 bar

APPLICABLE STANDARDS

- DIN EN ISO 3037_2013
- ISO 13821_2002
- TAPPI T811, T823, T838, T839
- FEFCO No. 8



The ECT sample saw cuts samples up to 20 mm thickness