



# 1-CUBE s. r. o.

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## GERMINATION VIABILITY TESTER Easi-Twin

For use in MALTINGS and SEED TESTING laboratories for:

- Germination Viability - instrument using a solution of tetrazolium salts for embryo staining to obtain germination viability
- Pre-Germination Testing using copper sulphate solution
- Acrospire Profile Testing of Malt

The twin pots are individually Programmable for TIME, TEMPERATURE and VACUUM

### **Description:**

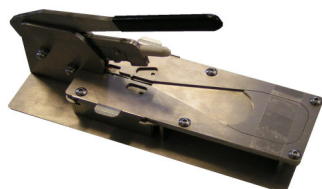
The Easi-Twin Germination Viability Tester is a completely self contained two cell unit to test the germinative capacity of grain, for use in SEED TESTING laboratories and MALTING laboratories.

The instrument is designed to enable the user to perform the following tests using a single piece of apparatus:

1. GERMINATION (Viability) testing
2. PRE - GERMINATION
3. ACROSPIRE PROFILE
4. ACCELERATED GROWTH



**The Easi-Twin**



**The Grain Cutter**

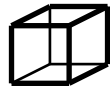
- Sample cells and seed holders are manufactured from food Acetal Homopolymer and stainless steel
- Sample cells and seed holders are removable for filling and cleaning
- Sample cells and seed holders are interchangeable
- Each cell position can be individually programmed for time and temperature
- System protected by in-line filter
- Microprocessor control allows testing to be carried out under reproducible and standardised conditions

### **Technical Specifications:**

- Temperature: 30°C to 69 °C
- Vacuum: 18,5 mm Hg
- Time: 0 to 99.99 minutes
- Accuracy: + - 1 %
- Reproducibility: 0,5%
- Power requirements: 230V/50Hz, 150W
- Dimensions: 200x160x200 mm (height x width x depth)

### **Miscellaneous:**

Grain cutter



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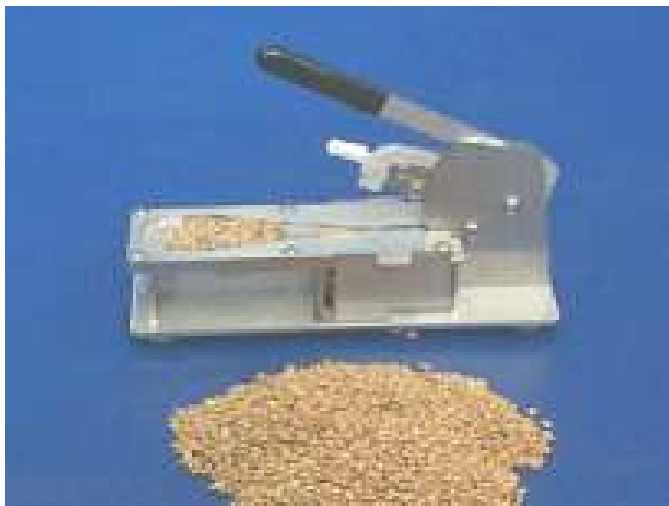
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## Grain Splitter

The Grain Splitter has been designed to reliably and accurately split barley or wheat grains with the intention of exposing the germ in readiness for viability stain testing.

Constructed from stainless steel for visual durability and ease of cleaning, the simple design was conceived for use by unskilled operatives in either laboratory or field environments. The split grains are separated and then collected in small trays that lock into the machine to ensure minimal spillage.

A few simple design elements have been combined here to produce a reliable functional machine that is both intuitive to use and maintain. Demand, rather than advertising, has resulted in a significant field population. The product has been well proven in many parts of the world.



- ✪ Easy to use, experience not necessary
- ✪ Faster than other methods
- ✪ A clean cut every time
- ✪ Stainless steel construction for easy cleaning.
- ✪ Large field population attests the product's durability and reliability
- ✪ Minimal maintenance
- ✪ A must for the busy laboratory.