

OPTO-AGRI Super Micro



Counting and TSW measuring of very small seeds by image treatment



The OPTO-AGRI Super Micro, a version of the tried and tested OPTO-AGRI, is the specific model for very small seeds with a diameter below 1 mm and a low TSW of less than 1,5 g like some vegetable, forage or ornamental seeds such as petunia.

Characteristics

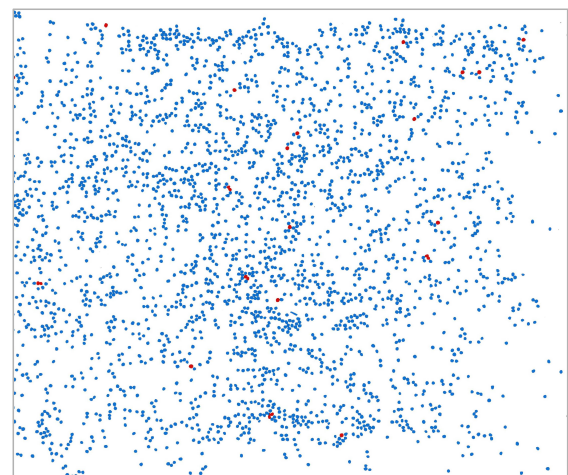
The fast, precise and objective measures are the result of the perfect combination of three finely coordinated elements:

- a very high resolution camera chosen according to the seeds size,
- an external ultra-high precision balance by Mettler Toledo with a precision of 0,0001 g
- an algorithm for image processing developed by OPTOMachines.

Predefined configurations for more than 20 species guarantee perfect measuring results. Personalized configurations can be programmed on demand.

Functioning

- dedicated optics for very small seeds on a special tray & image proceeding for counting of seeds, checkweighing on integrated balance
- weighing on external balance for highest precision
- TSW calculation based on processed image and precise weight



Petunia – processed image

The French company OPTOMachines is a renowned specialist for optical measuring and analysing equipment to the agronomy, ceramic and metal industry.

The portfolio for agronomics contains standard devices for weighing, counting, classifying applications but also complete custom-made lines for phenotyping, packaging and treatment. OPTOMachines supplies the seed industry leaders, prestigious research institutes and independent laboratories.



OPTOMachines
8, rue Richard Wagner
F-63200 Riom

Tel: +33 (0)4 73 64 10 06
www.optomachines.fr
optomachines@optomachines.fr