

# OPTO-AGRI for Vegetables & Flowers

Seed analysis by image processing :

Counting, TSW & biometry measurements in less than 10 seconds



The **OPTO-Agri** is dedicated to :

- 1) seed counting,
- 2) thousand seed weight measurement (TSW) &
- 3) seed biometry (width, length, area, etc...).

The product range covers all possible seed sizes.

3 models of OPTO-Agri are available: Standard, Micro and Super Micro.

The **OPTO-AGRI Micro** is adapted to small seeds, diameter below 2mm, like **vegetables**, fodder crops and some **flower** seeds.

The **OPTO-AGRI Super Micro** 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 **vegetables**, fodder or **flower** seeds.

The Super Micro model includes also the Micro version programs & species.

**Fast** ⇒ Results in less than 10 seconds, as it is a one-step calculation: weighing & counting at the same time.

**Easy** ⇒ Ready to use, no mechanical adjustments between 2 species, user-friendly interface, easy maintenance.

**Accurate** ⇒ Accuracy & repeatability tested, pre-programmed settings & species

Full results **traceability** and **reliable remote customer support**

## Available vegetable & fodder species

Alfalfa	Hot pepper
Basil	Lavander
Beet	Lamb's lettuce
Bentgrass	Leek
Cabbage	Lettuce
Carrot	Onion
Celery	Oregano
Chervill	Parsley
Chicory	Pepper
Chives	Poa
Clover	Ryegrass
Colza	Rocket
Cress	Senecio
Dactylis	Spinach
Dill	Spring onion
Eggplant	Timothy-grass
Endive	Thyme
Fennel	Tomato
Fescue	Turnip
Flax	Watercress

## Available flower species

### On the Micro version :

Catharanthus roseus  
Dianthus chinensis  
Gazania rigens  
Gerbera jamesonii  
Impatiens walleriana  
Pelargonium  
Primula acaulis  
Tagetes erecta  
Verbena hybrida  
Viola x wittrockiana

### On the Super micro :

Antirrhinum majus  
Begonia Pendula  
Begonia semperflorens  
Begonia tuberhybrida  
Lobelia erinus  
Penstemon hartwegii  
Pentas lanceolata  
Petunia multiflora  
Petunia pendula  
Viola cornuta



Super-micro model:  
An external ultra-high precision balance with a precision of 0,001g or 0,0001g is connected for more accurate TSW.

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

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