



materials

services

machinery

drying

# VIM Technology

**Speed of germination, uniformity and vigor assessment**

## Applications

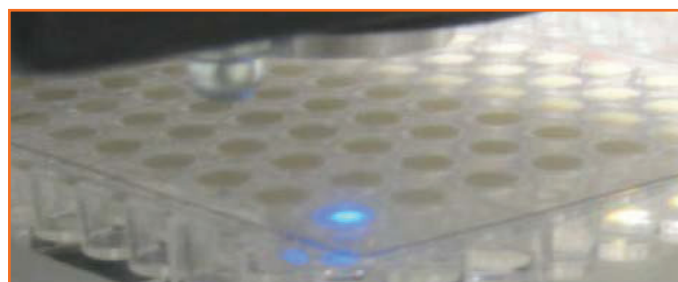
- In-depth view of any seed lot
- Speed of germination analysis
- Seed quality and vigor analysis
- Seed water stress germination analysis
- Seed temperature germination analysis
- Seed storage life analysis
- Seed treatment analysis

## Target

- Seed germination and vigor tests in general
- Seed quality control, warehouse management, breeding and research

## Features

- Single-seed respiration data
- Quick, reliable and automatic data collection
- Quantifiable vigor data
- Selective seed lot acceptance
- Improved seed lot uniformity
- Evaluation of seed treatments and performance under water, salt and temperature stress
- Seed quality shelf life forecast



## Benefits

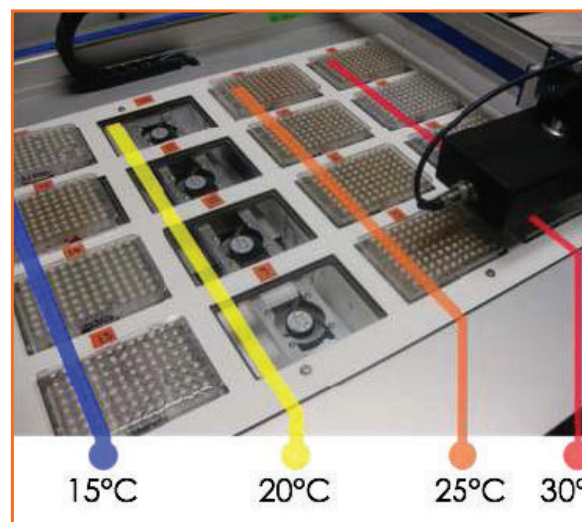
- New seed quality assessment data
- New marketing tool
- Efficient data collection for timely decisions
- Test replaces and reduces drastically time for labor-intensive germination rate tests
- Fact based seed vigor assessment
- Most sensitive seed vigor indicator
- Positioning fact based agronomics
- Inventory control and management
- Improved plant population for growers
- Stronger seed brand value
- High resolution seed performance screening on any conditions faced in the field
- Product performance predictability
- Improved ability to manage aging inventory
- Improved cost of goods



# VIM Technology

## Product Description

- VIM System – Single-seed oxygen consumption
- Scanner and optical sensor
- Desktop PC with included machine, database and analysis software
- **Sample size:** 16 plate positions, software for 96 wells, 48 wells or 24 well plates
- **Time of analysis:** based on seed species, usually 1 to 5 days
- **Dimensions:** 550 mm(h) x 850 mm(w) x 950 mm(d)
- **Weight:** 88 kg (Net), 90 kg (Gross)
- **Power supply:** 230VAC / 115VAC / 12VDC voltage



## Standard Equipment

- VIM instrument
- Startup kit for screw caps
- Windows PC, mouse and keyboard
- Machine, database and analytical Software
- Installation and User Manual

## Optional Equipment

- VIM thermo-gradient system
- VIM sealer
- Vacuum hand planter
- Multi-pipette & multi-channel