



materials

services

machinery

drying

## Multispectral vision for seed quality

The Videometer is a vision-based laboratory equipment designed for fast and accurate determination of surface color and chemical composition. The unit is an easy-to-use system integrating illumination, camera, and computer technology with advanced digital image analysis and statistics. The technology is particularly useful for quantitative measurements of chemical and visual properties of samples or surfaces.

### Some measurements are:

- Germination Counts
- Root Length Measurements
- Disease Pressure
- Imbibition Time
- Chlorophyll & Maturity
- Single Seed Leakage
- Seed Quality Aspects
- Phytotoxicity Levels
- Cracks and Mechanical Damage
- Chemical Application
- A Complete Layout of the Optimal

Cleaning and Upgrading Route Through the Factory.

### Key features & advantages

- Integrating sphere providing indirect homogeneous diffuse light.
- Multispectral analysis in less than 6 seconds
- 20 different wavelengths available
- Near-infrared, ultraviolet and fluorescence information can be collected
- Improved color determination compared to traditional RGB technology
- Automatic change of dynamic range, depending on the application
- Long lifetime of the light sources. Up to 100.000 hours
- Increased stability due to LED source technology
- Combined front light and backlight using optional backlights

