drying

machinery

services

materials

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SEED IMPROVEMENT TECHNOLOGIES

VideoMeter Seed Analyzer

Multispectral Vision System

Advanced digital image and computer technology visual statistics analysis.

Applications

• Seed health
• Seed treatment and coating
• Seed physical phenotype
• Seed vigor and germination measurement
• Seed sorting analysis
• Microbiology

Target

• Wide range of innovative tools for any seed variety

Features

• Videometer combines measurements at up to 20 different wavelengths into a
• Single high-resolution spectral image
• Seed lot health and infection levels
• Seed lot damage assessment
• Quantifiable data for seed phenotyping for size, color, shape, purity, texture
• Seed treatment and coating application
  - Data assessment for treatment coverage uniformity
• Seed vigor and germination application
• Powerful software for R&D and recipe building tool for routine analysis applications

Benefits

• VideometerLab instrument – Multispectral Vision System
• Camera: Standard configuration-5 Mpixel (2056 x 2056 active image pixels) ~45 µm/pixel
• Light sources: 19 high power LED sources with a range from 375 nm to 970 nm
• Sample size: Height max. 90 mm, diameter of inspection opening 110 mm
• Time of analysis: 6 seconds (movement, 20 wavelengths capture and data processing)
• Dimensions: 490-585 mm(h) x 420 mm (w) x 590 mm(d) / Weight: 14.1kg (Net), 26.6kg (Gross)
• Power supply: 100 – 240 VAC, 50/60 Hz.

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PO Box 444, Walnut Grove, CA 95690
t: 1-209-367-4109   e: info@aginnovationusa.com
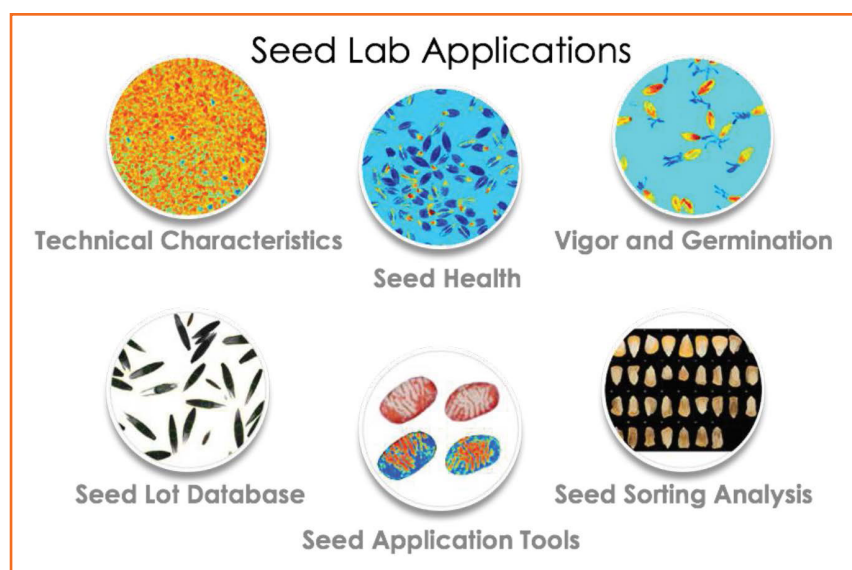www.aginnovationusa.com

VideoMeter Seed Analyzer

Standard Equipment

- Videometer Seed Analyzer instrument
- Three calibration discs (Dark / Bright / Geometric)
- Firewire IEEE 1394a cable / RS-232 cable
- **Software options**: Image processing toolbox (IPT)
- Spectral imaging toolbox (MSI) Blobs toolbox
- Installation and User Manual

Optional Equipment

- Darkfield/brightfield backlight – Additional wavelengths
- Standardized backgrounds
- Flight case, 570 mm (h) x 500 mm (w) x 710 mm (d)
- Automatic sample handling

The information given is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made.