The world's true measure of color

HunterLab

# SpectraTrend® HT



measure color the way your eye sees it






# A dynamic approach to Color Process Monitoring and Analysis

SpectraTrend® HT takes non-contact Color and Height measurement to their highest levels, combining versatility, simplicity and performance in one easy to use compact design. SpectraTrend® HT supports implementation of today's Total Quality Management programs such as LQM, PAT, Six Sigma, DMAIC, and others that share a common goal of producing consistent product quality and reducing waste.

SpectraTrend® HT utilization can:

- Facilitate continuous monitoring of product Height to enhance Good Manufacturing Practices (GMPs) within their enterprise
- Reduce risk of color quality variation and associated costs through real-time process color monitoring
- Enhance consistency and predictability of their quality assurance approach

## DESIGNED FOR

Potato Chips

extruded plastic pieces

patties

PELLETS

cereal

DECKING MATERIALS

BUNS

paper

cookies

Baked Goods

Fabric

metals

meat

rolls

snack foods

plastic parts

BREAD

NUTS

VINYL

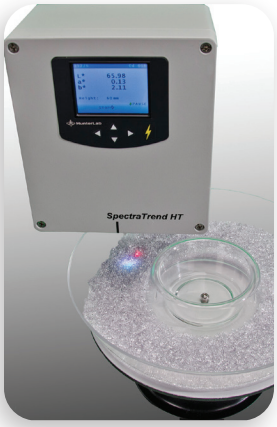
CRACKERS

Frozen Goods

# PRODUCT FEATURES

## Versatility, Speed, Durability

- The only color spectrophotometer to provide two critical sensors, Color and Height, in one compact and easy to use design
- The only color spectrophotometer to combine high speed color measurement with an integrated sample detector for accurate color and height measurements of individual piece-parts
- The only non-contact color spectrophotometer with 'Rapidfire' illumination, measuring as many as five times per second, to provide consistent and accurate color and height measurements in high speed applications and on structured and non-homogeneous samples
- Provides Lab-to-Line correlation, minimizing confusion and ensuring that operators will see the same colorimetric values consistent with Laboratory instruments
- Large, easy to read, easy to operate integrated display
- Rugged, industrially hardened NEMA 4 / IP56 design








# PRODUCT PERFORMANCE



## Lab grade performance in a non-contact color measurement device

- Non-contact color measurement
- Full spectrum LED illumination
- 10 nm color resolution
- Up to 4 in. measurement distance
- On-screen height measurement with auto compensation for variation in sample distance
- Tight inter-instrument agreement and repeatability

# CONNECTIVITY

## Simplicity and Flexibility

- Ethernet communication simplifies installation, enabling multiple sensor connectivity to any PC on the network
- No COM ports to configure or cable distance limitations
- Option to connect via plant PLC
- Easy PC connection using HunterLab's EasyMatch® software




# USER INTERFACE

## EasyMatch® Software

- Display of color and product height for each measurement, with Pass/Fail indication
- Multiple Configurable data views show as little or as much information as desired (Color Data Tables, Trend Screens, Spectral Data, Spectral Plots and Statistics)
- Customized Printed Job Reports in either summary form or full details of the color measurements
- Creation of customized templates for color data storage and display
- Ability to add notes to individual color measurements for later reference
- Automatic tolerancing based on color standard
- Definable access privileges permit creation of user groups with defined function capability, from full access manager to limited access operator levels
- Customizable Auto Export of job data to Microsoft Excel format






# Intelligent Integrated Height Sensor

- Provides accurate height value of the sample
- Restricts measurements to when the product is present
- Restricts measurements to products that are within their ideal height
- Discriminates the sample from the background, such as a conveyer belt or sample dish, measuring only the sample
- Color measurements are compensated for  variation in sample height







# The HunterLab Advantage

The SpectraTrend® HT is backed by over 60 years of quality innovation and experience from HunterLab, the world's most trusted color quality experts.
With an unmatched reputation for delivering the right solution for any challenge, HunterLab tailors products and technologies for every color measurement need and budget offering the broadest range of color measurement solutions in the industry.

For more information go to www.hunterlab.com
or contact your local HunterLab representative.

- **Optional Accessories available**

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