Color and appearance play a huge role in the way consumers select ice cream. That's why the Algida ice cream factory selected the VS450 non-contact spectrophotometer from X-Rite to ensure consistent color quality in its ice cream products.

▲ PICTURED: This non-contact spectrophotometer is ideal for measuring all types of samples, wet and dry, in the plastics, paint and textiles industries.

VS450
Benchtop Spectrophotometers

Overview

In many laboratory and manufacturing processes, it is beneficial to measure wet samples to make a wet-to-wet comparison as a proxy for a final dry-to-dry comparison. This can save as much as 24 hours of wait time while samples dry, enabling operators to make changes in production quickly, reducing scrap and making production more efficient while delivering better color accuracy. The VS450 is a unique, non-contact color measurement instrument for measuring color accuracy of a variety of wet and dry samples including cosmetics, paints, plastics, powders and food.

Key Benefits

The X-Rite VS450 is unique in the market as the only benchtop sphere spectrophotometer that operates in a non-contact mode. In addition, it can measure a sample from a distance without being affected by ambient light. The VS450 is ideal for measuring wet samples including liquids or pastes, large or bulky items, or substances such as food that would require a protective barrier for conventional measurement. It eliminates surface distortion caused by contact-based measurements.

- Better control day-to-day color production with a defined, standard procedure that saves time, cost and effort.
- Establish a "wet tolerance" that wet samples need to meet to produce a good result in a final dry-to-dry comparison, saving as much as 24 hours waiting for samples to dry in the lab and in production.
- In combination with Color iMatch, measure samples and use the adjust feature to compensate for the difference in appearance between wet and dry standards for more accuracy and significant time savings.
- Use this non-contact measurement solution for samples that change appearance when pressed behind glass or other presentation devices; they can now be measured in their natural, unaltered state, just as the human eye would see them. A mounting stand is available for easy, accurate height adjustment.
- Benefit from minimal maintenance requirements since the optical system never comes in contact with samples and thus remains uncontaminated.

For more information regarding this product, visit **www.xrite.com/vs450**

1. Color measurement for a variety of industries.

2. Accurate measurement of odd shapes.

3. Easily measure processed foods, textiles & more.

Recommended

SpectraLight QC light booth

Consistent quality control in color-critical product categories is finally possible thanks to the SpectraLight QC light booth. This holistic visual color assessment system features seven state-of-the-art light sources, including natural filtered daylight, making it easy to meet practically any specification. A data-driven back-end ensures inter-instrument agreement across the supply chain, allowing unprecedented reporting and traceability on unit settings, lamp performance, operator certifications, and more.

Color iMatch

Use X-Rite Color iMatch, a job-oriented color quality control and formulation solution for paint, plastics and textiles, to enable accurate color analysis and formulation for a variety of applications. Available in a variety of configurations to meet most, if not all, industrial color quality control and formulation needs.

Service Support & Warranty

Drawing on our extensive color expertise, X-Rite offers the right level of services on-site, online or on the phone, to support and nurture your business. For additional protection beyond the one-year warranty, take advantage of our extended warranty program. With global full service contracts, you can ensure your devices are well maintained through X-Rite's Annual Five Point Checkup, uniquely developed to keep devices performing to original specifications. With 12 global service centers, we make it easy to reach us. For more information about extended support options, visit **www.xrite.com/extended-warranties-services.**

Specifications

	VS450
Short Term Repeatability - White	0.025 max DEab at 12 mm 0.035 max DEab at 6 mm
Measurement Geometry	45/0
Inter-Instrument Agreement	0.15 DEab avg on BCRA tiles
Image Contact During Measurements	Non-Contact
Lamp Life	20 million flashes
Light Source	Full spectrum LED
Measurement Cycle Time	1 second
Measurement Spot	12 mm and 6 mm
Measurement Time	750 ms
Measurement Working Distance	1.5 inches

Full list of specifications available at **www.xrite.com/vs450**

www.xrite.com

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