

# Comprehensive, Integrated Color Measurement Solutions



## Color Control Systems for a Changing Textile Industry

Market forces in the textile industry are raising the bar for flexibility, responsiveness, productivity, and consistent quality through each phase of production and distribution. Today, textile producers must contend with multiple sourcing, dispersed production facilities, tighter deadlines, more shades, and shorter, more frequent runs. And, at the same time, they must control costs and meet stringent customer expectations for consistency and quality.

HunterLab delivers proven, cost-effective color control systems through continuous process control, to efficient QC and shade grouping. Solutions are available for materials as diverse as dyes, staple, fiber, yarn, fabric and apparel.

The demands of world markets today - faster turnaround times, lower costs, and ultimately, consistent quality - demand the versatility and leading-edge sophistication of HunterLab color control systems.

For consistency, flexibility, lower costs, and a competitive edge:

- ◆ Comprehensive instrument offering to measure virtually the entire scope of textile products
- ◆ State-of-the-art on-line, QC and shade grouping software
- ◆ Large viewing areas available to measure textured and non-uniform fabrics
- ◆ On-Line systems for real-time color control of yarn, rope and fabric on the dye range

# An integrated package of instruments, software and experience.

## Laboratory Benchtop

- **UltraScan® PRO** - Measures fabrics, fibers and dyes; quantifies the effect of optical brighteners. Also measures camouflage materials.
- **ColorQuest® XE** - Cost-effective system for QC.
- **LabScan® XE**- 0°/45° geometry best for QC and shade grouping. Perfectly suited to fabrics with high directionality and texture such as velours; measurement area can be optimized for each application.
- **ColorQuest® LAV** - Measures large (95mm) area of carpet and denim.
- **ColorFlex®** - A basic, yet flexible, fully self-contained benchtop instrument for QC, gray scale and whiteness testing, as well as 5-5-5 shade numbering.

## Portable

- **MiniScan® XE Plus** - Laboratory performance in a lightweight, take-anywhere design. For QC, gray scale and whiteness testing, as well as 5-5-5 shade numbering.

## Continuous On-Line

- **SpectraProbe® XE** - Real-time color measurement of yarn, rope or fabric without contact, as it is produced. Engineered for the dye range environment, the SpectraProbe XE provides laboratory performance for maximum lab-production correlation.

## Software

- **EasyMatch® QC** - Comprehensive QC software to collect, display and analyze color data. Includes all widely used color scales and indices, auto tolerancing, pass/fail, and 5-5-5 shade numbering.
- **EasyGroup** - Automatic color sequencing and clustering aids in shipment, allocation and cutting. Superior to 5-5-5 shade numbering, creating fewer clusters (only when a minimum number of samples have fallen together in color space).
- **EasyMatch® OL** - Real-time production information to verify quality on the dye range. Combined with our SpectraProbe XE, this system continuously monitors color quality of continuous dye applications. Provides shade analysis from side-center-side, to quality mapping of entire production lots.

		SAMPLE TYPE											APPLICATION		
		Dyestuff	Optical Brightness	Fluorescent Product	Staple/Fiber	Camouflage Product	Yarn/Rope	Fabric	Denim Fabric	Nap/Velour Fabric	Printed Fabric	Apparel	Carpet	Quality Control	Shade Sorting/Grouping
BENCHTOP	UltraScan® PRO	▼	▼	▼	▼	▼	▼			▼	▼		▼	▼	
	ColorQuest® XE	▼	▼		▼		▼	▼		▼	▼		▼	▼	
	LabScan® XE		▼		▼		▼	▼	▼	▼	▼	▼	▼	▼	
	ColorQuest® LAV						▼	▼	▼		▼	▼	▼	▼	
	ColorFlex®						▼				▼		▼	▼	
ON-LINE	SpectraProbe® XE		▼				▼	▼	▼			▼	▼		▼
PORTABLE	MiniScan® XE Plus						▼			▼	▼		▼	▼	
SOFTWARE	EasyMatch® QC	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
	EasyGroup						▼	▼	▼		▼	▼		▼	
	EasyMatch® OL		▼				▼	▼	▼	▼		▼	▼		▼

**HunterLab, Measure Color...Measure Quality** - providing color quality measurement systems worldwide.

Dedicated to worldwide support through local representation, HunterLab provides over 50 years of experience to meet the color measurement needs of customers in 70 countries. We offer the industry's most comprehensive set of end-to-end solutions an integrated package of resources, from the complete array of instrumentation, software, and support services to training, education and decades of know-how.

For more information, call HunterLab today at 1-703-471-6870. Or visit our web site at [www.hunterlab.com](http://www.hunterlab.com).

UltraScan, LabScan, ColorQuest, ColorFlex, SpectraProbe, MiniScan and EasyMatch are registered trademarks of Hunter Associates Laboratory, Inc. Specifications subject to change without notice.