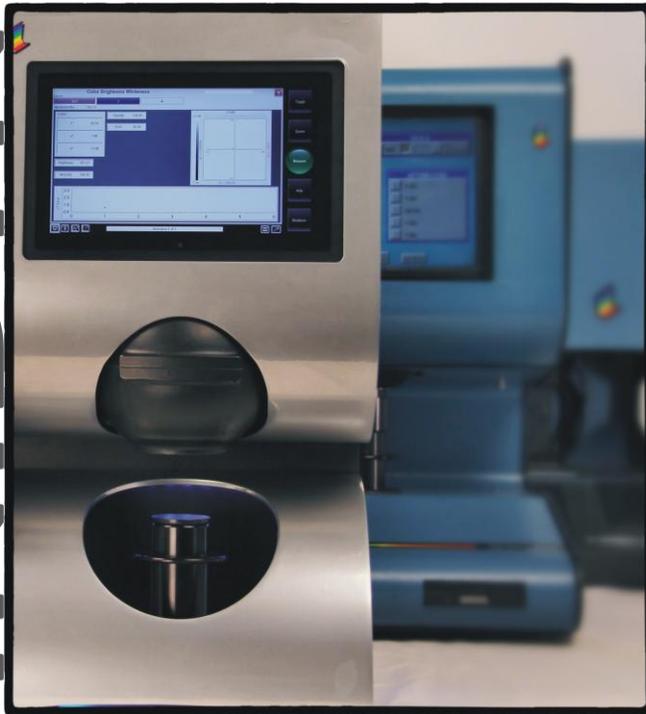


# INTRODUCING THE NEWEST MEMBER TO THE TECHNIDYNE ISO FAMILY

TECHNIDYNE



## NEW FEATURES INCLUDE:

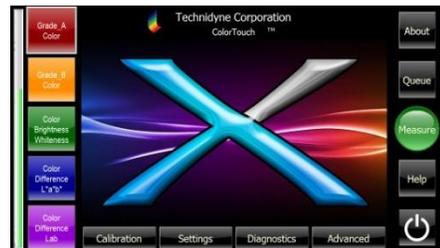
- EXPANDED WAVELENGTH RANGE
- NEW INTUITIVE OPERATOR INTERFACE
- DATA TRENDING
- SIMULTANEOUS GRADE TRACKING
- PASS / FAIL TOLERANCES

## COLORTOUCH

*Expanding Your Capabilities*

### Touchscreen Operation

Point & Touch and the ColorTouch™ does the rest  
 Preprogrammed test routines  
 Does not require an external PC  
 Automatic Calibration  
 Swing-in Calibration Standard



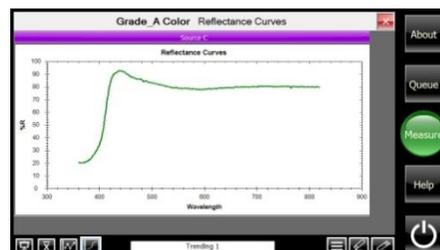
### Advanced Data Analysis

Trending Data allows for tracking grades over several samples  
 Compare multiple samples on color space plots  
 Establish optical tolerances on grades for PASS/FAIL analysis



### Spectral Data Capabilities

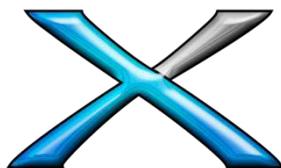
Spectrophotometric data for comprehensive understanding of dyes, fillers, and other colorants  
 Greater accuracy of colorimetric data



QUALITY – INNOVATION – TRADITION – PARTNERSHIP

### ColorTouch X Specifications

Light Source	Pulsed Xenon
Lamp Life (# flashes)	500,000+
Geometry	Dual Beam, d/0*
Specimen Area Measured	30mm*
Photometric Linearity	*0.1%
Repeatability (White tile avg 20 readings)	<0.01 CIELAB DE**
Reproducibility	<0.20 CIELAB DE***
Measurement Time	2 seconds
Measurement Range (Reflectance)	0-200%
Measured Wavelength	200-1080nm
Reported Wavelength	360-780nm
Detector	CCD 131,000 Pixels
Spectrometer	Dual Blaze Grating
Bandpass (HPH)	10 nm, 5 nm, 2 nm
Reflectance Data Intervals	1nm, 5nm, 10nm, 20nm
Sources	D65, C and UV-EX
Illuminants	A, B, C, D50, D55, D65, D75, F2, F7, F11
Observers	CIE 2 <sup>0</sup> , 10 <sup>0</sup>
Color Scales	X, Y, Z / R(x), R(y), R(z) / L, a, b / L*, a*, b* L*, C*, h
Whiteness	CIE, ASTM, Hunter
Tint	CIE, Hunter
Yellowness	Hunter
Warm Up Time	15 minutes
Display	10.1 Color TFT 1024 x 600 WSVGA, PCT Multi Touch Screen
Communications	USB, RS232, Ethernet
Hard Disk Drive	32 GB Sata SSD
Operating Temperature	(13-32° C)
Relative Humidity	25-90 RH non-condensing
Power Consumption	170 watts MAX / 80 watts Passive
Voltage/Frequency	100-130 VAC/49-61 Hz / 210-250 VAC/49-61 Hz
Net Weight	45 lbs / 20.4 kg
Warranty	1 year
	* Conforms to ISO 2469
	**Avg 1 S.D. for 25 readings on white tile
	***Avg 1 S.D. for BCRA tiles



Since 1980 Technidyne has been producing instruments that meet the ISO Optical Standards for the global pulp and paper industry. In 1994 Technidyne brought to market the ColorTouch™ which set a standard for functionality, precision and dependability. That next generation of the ColorTouch family is now ready to continue with the family tradition.

The ColorTouchX™ brings together a powerful set of tools to meet the demands of the brightness, color, fluorescence and ERIC950 markets. In addition to these traditional applications, the expanded wavelength range of the ColorTouchX™ provides a higher level of accuracy and capabilities. No other instrument in the market today can match the ColorTouchX™ for capabilities, functionality and quality.

**SIMPLE - ACCURATE - FLEXIBLE - POWERFUL**

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instruments

