Color Sentinel Systems
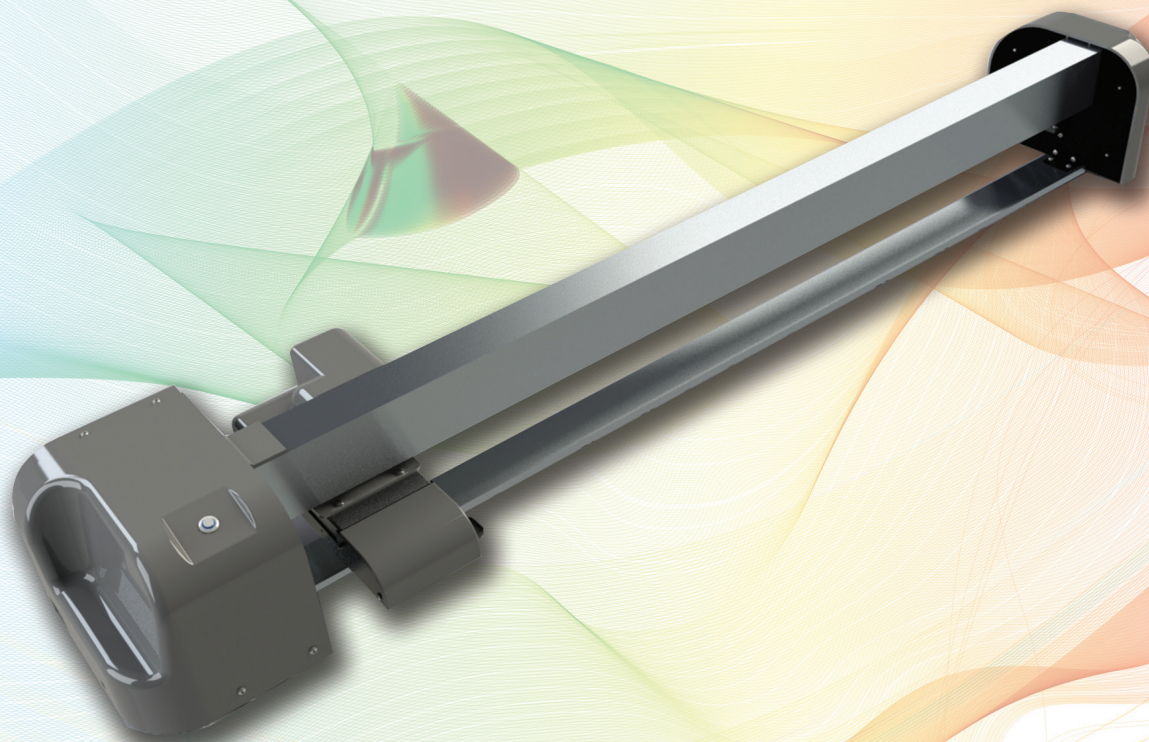
Powerscan™
High-Speed X-Scanning Spectrophotometer

- Designed for pressroom and high volume ICC profiling applications
- 28" and 40" versions
- SDK for third-party software integration

Specifications

Illuminant Source	Wave Stable™ Light sources unique wavelengths with individual intensity control
Measurement Sampling Time	3ms. typical, can be customized for particular requirements
Measurement Method	Multiband reflectance converted to 31/33 point spectra with proprietary algorithm
Data Interface	ILMS - RS-422 standard (TIA/EIA-422-B), USB 1.1 (2.0 compliant), 10/100 Ethernet
Data Format Options	31/33 point spectral, L* a* b*, - M0, M1 and M2 Modes are supported.
Spectral Range	380 – 700 nM, 10 nM increments
Measurement Geometry	0° illumination / 45° observer
Standard Observer	2°
Standard Illuminant	D50/D65
Environmental	Operating temperature 10° - 50° C
Measurement Aperture	4mm standard; 8mm, 2mm optional
Power Requirement	Single voltage input from 20 VDC – 52.8 VDC, 1.5W maximum, limited power source
Target Synchronization	ILMS measurements may be triggered by printed synchronization marks via integrated reflective sensor internal timer, or external electrical signal (optional),
Calibration	External calibration reference surface supplied
Accuracy	1.0 dE2000 - 95th percentile over evaluation set* typical
Repeatability	.3 dE2000 - peak-to-peak over 10 complete evaluation set measurements*
Inter-instrument Agreement	.6 dE2000 - 95th percentile comparing average of 10 evaluation set measurements
Displacement Insensitivity	+/- 2 mm
Max Scan Length:	Powerscan 28: 740mm; Powerscan 40: 1050mm

Evaluation set contains 495 color patches, printed with specific printer of interest. Temperature: 21°C ± 2°C

Specifications subject to change

For further information contact

Color Sentinel Systems

97 Ridgeland Rd, Suite #2, Rochester NY 14623
Phone: +1 855-671-9829
www.colorsentinel.com
info@colorsentinel.com

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