

Which X-Rite scan system works best for you?



eXact Auto-Scan



IntelliTrax2




Scan System			
Track Sizes	29" / 74cm 40" / 102cm	29" / 74cm 32" / 81cm 40" / 102cm	44" / 112cm 56" / 142cm 65" / 165cm
Max. Sheet Size	29" Track: 31.0" / 78.8cm 40" Track: 41.7" / 106.0cm	29" Track: 33.1" / 84.1cm 32" Track: 35.9" / 91.1cm 40" Track: 43.9" / 111.5cm	44" Track: 47.8" / 121.5cm 56" Track: 56.3" / 143.0cm 65" Track: 66.9" / 170.0cm
Min. Patch Size (Strip Height)	3.0mm (with 1.5mm aperture) 4.0mm (with 2mm aperture)	2.0mm (with small aperture) 3.0mm (with medium aperture) 3.0mm (with Polarizer head)	
Scan Speed	1.5 mm aperture on 4 mm patches: $\geq 160\text{mm}$ (6.3") / sec	170mm (6.7") / sec	
Scanning Area	Anywhere on the sheet	Color bar within 1.5" / 38mm from the sheet edge	
Contact to Image during Scan	Contact	No Contact	
Black Backing as specified in ISO 12647-2 and 3	Yes	Yes	
Alignment	Manual laser alignment	Automatic centering on color bar with look ahead sensor	
Paper Hold	Magnets or Vacuum Pump (optional)	Vacuum Pump	
Allows sheet storage against the Track	Yes	Yes	
Detachable head	Yes	No	
Foot Switch to start scan	Optional	Included	
Data Port	Head: Bluetooth, Track: USB	Ethernet	

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Measurement System			
Spectral analyzer	DRS spectral engine	✓	✓
Spectral range	400 nm - 700 nm with 10nm interval	✓	✓
Measurement geometry	45°/0° ring illumination optics, ISO 5-4:2009(E)	✓	✓
Light source	Gas filled tungsten (illuminant type A) and UV LED	✓	✓
Measurement Conditions	M0, M1 (method 1 and method 2), M2, M3* (all according to ISO 13655:2009) M0, M1(method 2), M3 (optional) (all according to ISO 13655:2009)	✓	✓
Single Pass Scan	2 measurement modes with one scan: M0/M1, M0/M3 or M1/M3	✓	✓
Calibration	Automatic on integrated and covered white reference	✓	✓
Repeatability - Density	On White: $\pm 0.01D$ max. Cyan, Magenta, and Black: $\pm 0.02D$ @ 1.8D Yellow: $\pm 0.02D$ @ 2.0D, with Polarizer (M3): $\pm 0.03D$ @ 1.8D	✓	✓
Inter-instrument agreement	Average: 0.3 ΔE_{ab} , Max: 0.45 ΔE_{ab} (for M3: 0.55 ΔE_{ab}) (Measurements using X-Rite manufacturing standards at a temperature of 23°C +/- 1°C, 40-60% RH for all measurement modes on 12 BCRA color tiles and a white ceramic reference (D50, 2°))	✓	✓
Short term repeatability - White	0.15 ΔE max	✓	✓
Short term repeatability - Density	+/-0.01 D for CMYK	✓	✓


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Accessories		
Vacuum Pump	Optional	✓
Foot Pedal	Optional	✓

✓: Included

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Example Color Bar Sizes		
2.0mm		with small aperture head
3.0mm		with 1.5mm aperture
4.0mm or larger		with 2mm aperture or with 1.5mm aperture

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Recommended Software and Color Standards		
Quality Control Software	eXact Auto-Scan and IntelliTrax2 work best with MeasureColor (MeasureColor Pro for presses with up to 6 ink units, and MeasureColor Pack with up to 8 inks)	
Closed-Loop Software	eXact Auto-Scan and IntelliTrax2 work best with Rutherford solutions	
Device Optimization	NetProfiler Device Performance Platform validates and improves eXact Auto-Scan and IntelliTrax2 performance	



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