Image Color Spectrophotometer CS-828

——Itokin Technology.co.,ltd

CS-828

CS-828-V

Rock Paint

Buttons & Zipper
Heads & Accessories

Zipper & Footwear

Complex Textured Samples

Artificial Stone Paint

Jewelry & Tooth

Wood Pattern Paper

Ceramic Tiles

Specially Designed for Samples with Complex Texture and Small Size

Feature 1

Auto Calibration

Image spectrophotometer adopts advanced auto sensing technology to realized auto calibration for easier operation and better user experience.

Feature 2

Its test result is consistency to other Spectrophotometer made by CHN Spec

- ✓ Adopt principle of spectroscopy for high accuracy test result

- ✓ It can measure surface with 24 kinds of illumination and more than 30 kinds of color parameters for choice.

- ✓ It can provide SCI/SCE test result, the test result is not affected by the surface texture or material of the sample
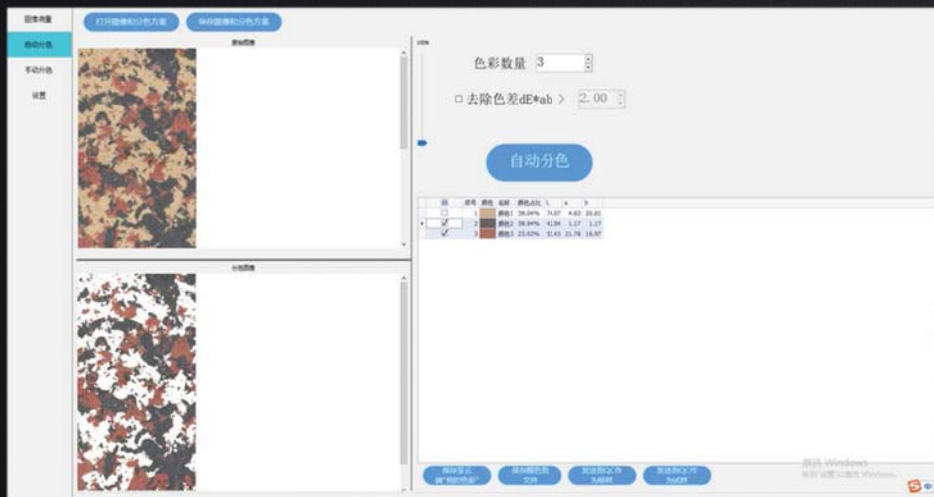
Ultra Small Measurement Area

Max. measurement area can reach 0.09 ㎜^{2} (0.3x0.3mm)
Any point on sample can be chosen to check color
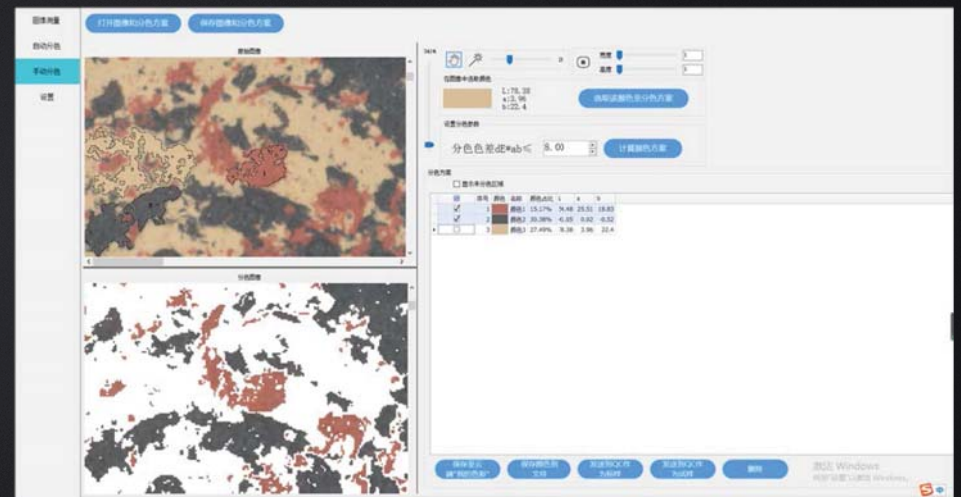

L:89.9
a:0.42
b:5.28

Feature 4

Sample color can be separated by manual or by software automatically

Separate Color by Software

Separate Color by Manual

Feature 5

CS-828 can work with color matching software to get recipe

Sample → Measure the sample → Get the reflectance of the sample

Get the Recipe / Formula ← Color Correction ← Find the Closest Color from Database

Parameter Comparison with Competition Model-1

Type	CHNSpec CS-828	Dataclor Spectra Vision
Illumination/ Viewing System	Reflectance: d/8(Diffused illumination, 8 degree viewing)	Diffuse illumination, 8º viewing
Illumination Source	Pulsed xenon, filtered to provide D65 illumination including UV component	Full Wavelength LED
Sensor	Silicon Photodiode Array	
Sphere Diameter	Diameter 152 mm / 6.0 inches	Diameter 152 mm / 6.0 inches
Wavelength Range	400nm-700nm	400nm-700nm
Wavelength Pitch	10nm	10nm
Reflectance Range	0 to 200%	0 to 200%
Light Source	Full Wavelength LED (UV component can be custom made)	Pulsed xenon, filtered to provide D65 illumination including UV component
Measurement Aperture	30*30mm or 100*100mm or custom made	Square. 25 mm illuminated/ 22.7 mm viewed
Image resolution	600x600 (for 30x30mm Aperture)	821 x 821
Repeatability	XLAV Chromaticity value: Standard deviation within ΔE*ab0.03， Max. within ΔE*ab 0.1（0.09mm2 test area, when a white tile is measured 30 x at 10-second intervals after white calibration）	0.03 dE (max) 20 Read on White Tile Using Two Flashes (CIELAB)
Inter-Instrument Agreement	XLAV ΔE*ab 0.4 (BCRA Series II, Average measurement of 12 tiles, at 23℃)	0.25 (max)* 0.15 (avg)*

Parameter Comparison with Competition Model-2

Type	Image Color Spectrophotometer CS-828	Dataclor Spectra Vision
Automated, adjustable UV Calibration	No	Yes
UV Cutoff Filters	without	400 nm; 420 nm; 460 nm
Sample Viewing Camera	No	Yes
Output	QTX,CHNIMG	QTX2, Reflectance Hypercube, QTX
Operating Software	Color Expert	Tools SV
Operating Environment	5-40℃(40-104F), relative humidity 80% (at 35℃) no condensation	Temperature: 10°C to 35°C Maximum Relative Humidity: 20%-85% non-condensing Recommended Relative Humidity: 50% +/-15% non-condensing

Image Color Spectrophotometer Advantages

- ✓ Auto calibration

- ✓ Specially Designed for Samples with Complex Texture and Small Size

- ✓ Its test result is consistency to other Spectrophotometer made by CHN Spec

- ✓ Ultra Small Measurement Area (0.3x0.3mm test area)

- ✓ Sample color can be separated by manual or by software automatically

- ✓ It can work with color matching software to get recipe

- ✓ Advanced Technology

Line : @itokin2000.com

Email : salesitokin@gmail.com

Web : www.itokin2000.com