

電腦測配色系統

Computer Color Matching System



配方預測/配方修正 Formula prediction/fixing

提供四種配色模式選擇。可任意挑選染料種類與數量，由電腦自動計算組合提供配方預測。以顏色吻合度排序，快速挑選合適的配方。

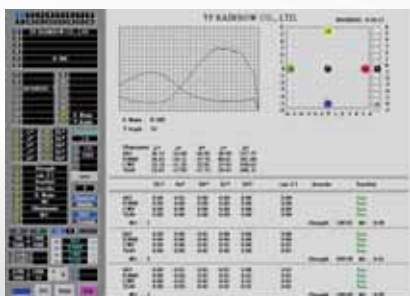
Software provides four kinds of formula prediction models. Users can choose the most appropriate one based on the types of dyestuffs or textiles. The results could be arranged by color distance or full cost of formula.



生產套色/追加預測 Color fixing for production

針對染缸大貨提供不對色時的套色及追加配方建議，並可直接預測追加後的染出結果(預測調整後色差)，可做為管理者決策參考依據。

Software provides the fixing formula and expected fixing result for user when color deviation happened in dyeing process. Users can decide to fix or re-dye the textile.



品管分析/進料檢驗 QC/Incoming inspection

以數字溝通品質，解決人眼對色的溝通爭議。用於進料檢驗時可快速檢驗出胚布色差及染料力份變化，減少後端生產問題。

Not only judge color by eyes but inspect colors by machine and deliver the result in numbers to reduce disputing during color checking process. And analyze the color difference of textile and dyestuff to prevent potential production issue.



色庫管理 Color library

無需翻找貼樣，由軟體自動建議最接近客戶來樣的歷史色配方，大幅減少化驗室的人員作業時間。

When you get a color sample from client, you don't have to spend time looking at your sample books but run CCM to find the most similar historical sample in 10 seconds and get the fixing formula at the same time.

推薦分光儀

Spectrophotometer

產品型號	便攜式 M52	台式 X82
積分球	Φ40mm	Φ152mm
照明光源	LED, (全波段均衡Led光源)	脈衝氙燈和LED
感應器	256像元CMOS感應器	硅光二極管陣列
波長範圍	400 - 700 nm 包含UV/排除UV	360 - 780 nm 包含UV、400nm截止、420nm截止、460nm截止
觀測光源	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,CWF,U30,DLF,NBF,TL83,TL84	
測量間隔	約1秒	SCI或SCE模式<2秒，SCI+SCE同時測量<4秒
測量口徑	MAV:Φ8mm/Φ11mm MAV:Φ4mm/Φ6mm MINI:1*3mm	反射：XLAV Φ25.4mm/Φ30mm LAV Φ15mm/Φ18mm MAV Φ8mm/Φ11mm SAV Φ3mm/Φ6mm 透射：Φ17mm/Φ25mm
顏色空間	L*a*b,L*C*h,L*u*v,XYZ	L*a*b, L*C*h, Hunter Lab, Yxy, XYZ
色差公式	$\Delta E^*ab, \Delta E^*CH, \Delta E^*uv,$ $\Delta E^*cmc, \Delta E^*94, \Delta E^*00$	$\Delta E^*ab, \Delta E^*CH, \Delta E^*uv, \Delta E^*cmc, \Delta E^*94,$ $\Delta E^*00, \Delta Eab(Hunter), 555色調分類$
重複性	最大值: $\Delta E^*ab < 0.04$ 平均值: $\Delta E^*ab < 0.03$ 標準偏差值小於 $\Delta E^*ab < 0.02$	XLAV 色度值： 標準偏差 ΔE^*ab 0.015以內
台間差	ΔE^*ab 0.2以內	XLAV ΔE^*ab 0.15

軟體運行需求

Software features

作業環境 Operating environment	Windows 10，安裝最新修補程式 Windows 10 with latest patches
處理器 Processor	Intel or AMD, 2GHz以上 Intel、AMD processor. 2GHz or better
螢幕分辨率 Screen resolution	1440×900 以上 1440×900 or better
記憶體 Memory RAM	4G 或更高 2GB or better
硬碟空間 Disk	安裝於D槽，安裝需求至少200MB以上；後續作業至少500MB以上 200MB or more for installation；500MB for further operation

* 設備類，客戶自備電腦
同此配置外，主機上需有RS-232 端口
禁用轉接頭