香港綠色創新大獎

Hong Kong Green Innovations Award

FONG'S ®

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綜合智能水洗系統
### Integrated Intelligent Rinsing System

綜合智能水洗系統以光學方式實時監測水洗效果。使用綜合智能水洗系統裝置後，可節省20%的水洗時間，節省耗水及用電。

The Integrated Intelligent Rinsing System (IIR) is a device for real-time monitoring of rinsing result by optical detection. It is estimated 20% of rinsing time can be saved with the use of the IIR device, so as to save water and energy consumption.
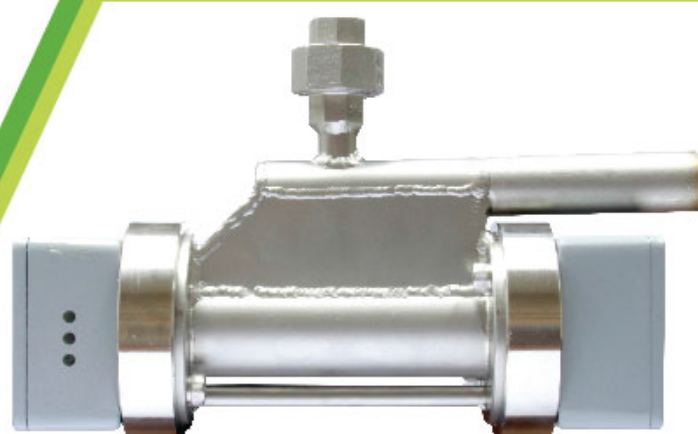
綜合智能水洗系統以光學檢測進行實時監控水洗程序。透過精確的水洗效果，節省約20%的用水量。

IIR monitors and controls the rinsing procedure on real time basis by optical detection. The high precision of the rinsing results saves around 20% of water usage.
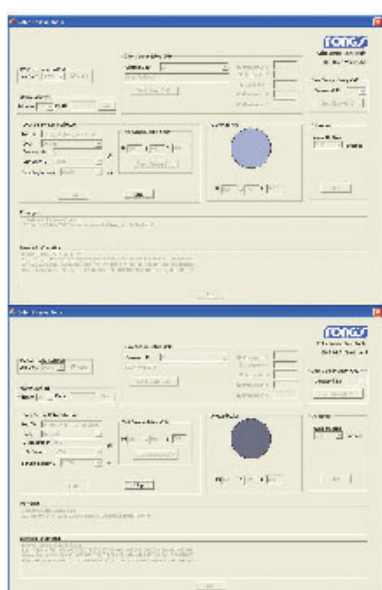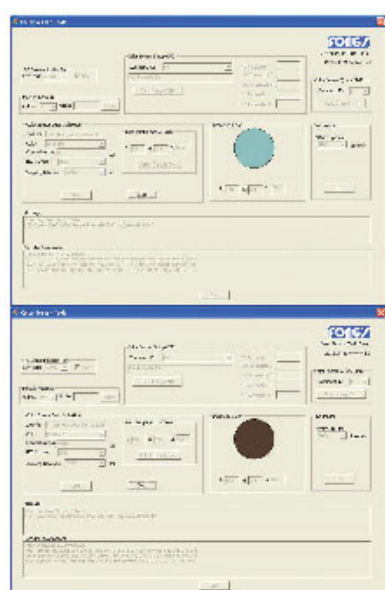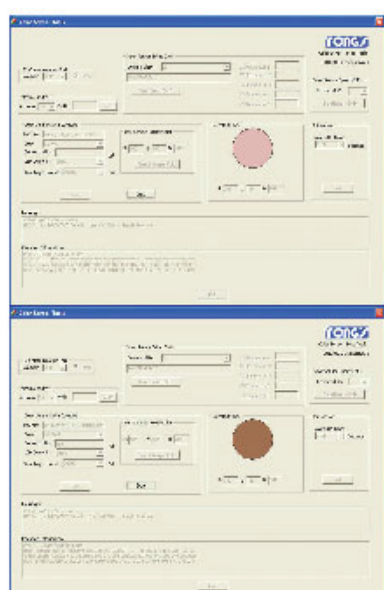
系統建立了獨特的數學模型，能精確測量水洗的顏色，減少因差誤測色而要重覆水洗工序。

IIR creates a special mathematical model to detect the colour of rinsing water precisely. Repeated rinsing due to error in colour detection is avoided.

染色機顯示屏顯示取樣點當前指數及顏色，實時檢測水洗情況。

IIR's monitor shows the colour of latest sample and its corresponding colour index, which enables real-time monitoring of rinsing procedure.