

Ferco

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ProcessChecker

Precision control of salt, liquor ratio and pH

Prevent costly process deviations.
The perfect tool for 'Blind dyeing'

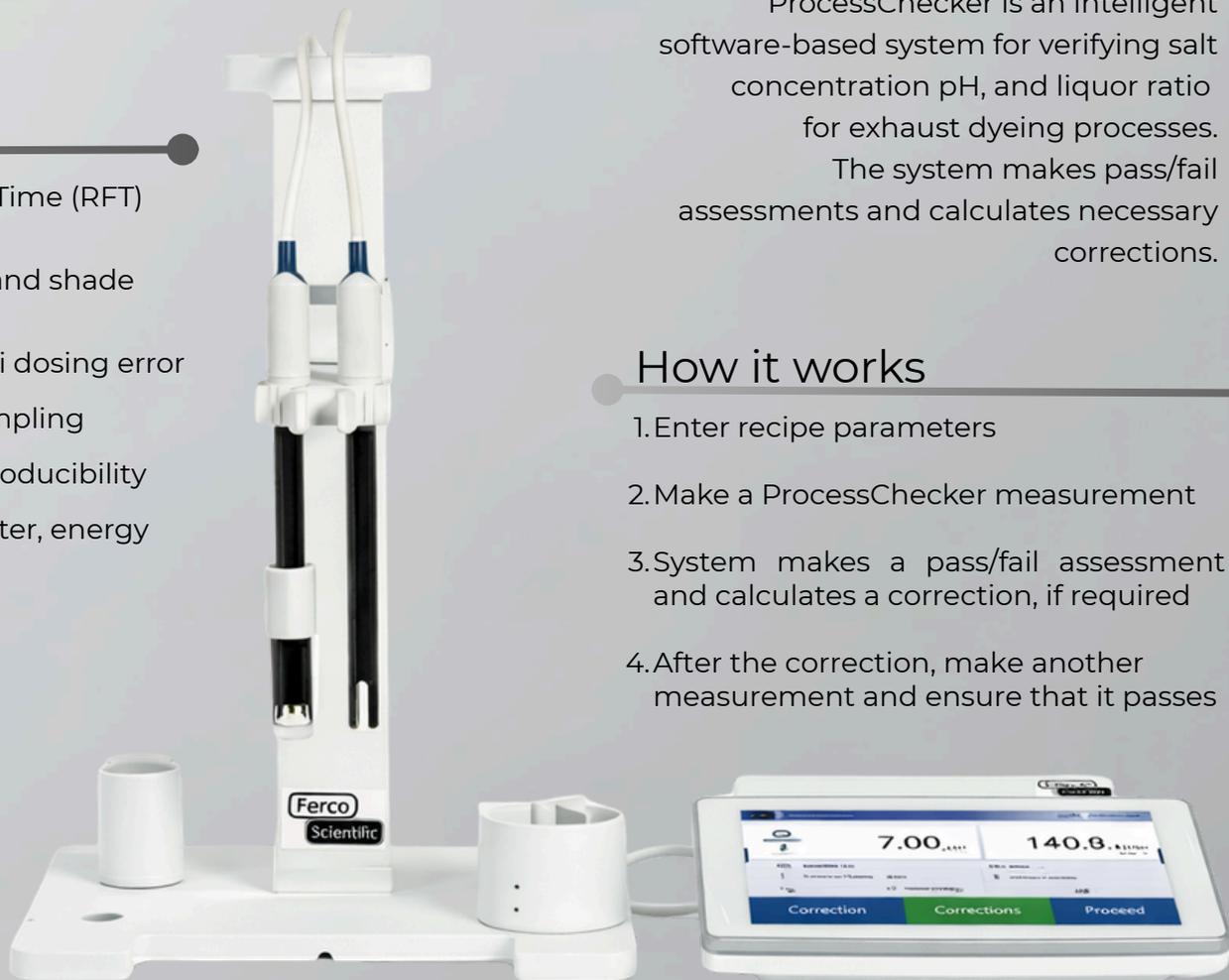
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Benefits

- Enables Right-First-Time (RFT) dyeing
- Reduces re-dyeing and shade corrections
- Prevents costly alkali dosing error
- Minimizes fabric sampling
- Improves batch reproducibility
- Saves chemicals, water, energy and time



What is ProcessChecker?

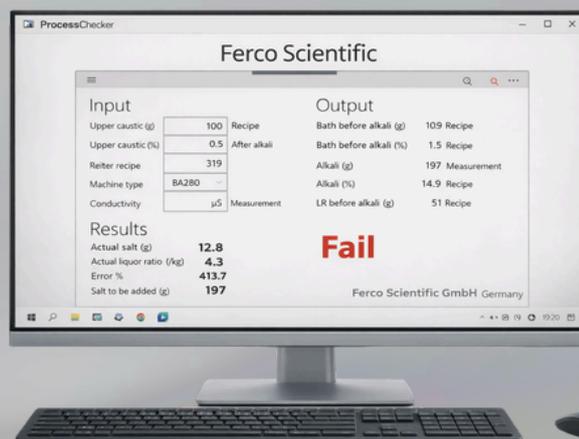
ProcessChecker is an intelligent software-based system for verifying salt concentration pH, and liquor ratio for exhaust dyeing processes. The system makes pass/fail assessments and calculates necessary corrections.

How it works

1. Enter recipe parameters
2. Make a ProcessChecker measurement
3. System makes a pass/fail assessment and calculates a correction, if required
4. After the correction, make another measurement and ensure that it passes

Features

- Pass/Fail analysis
- Calibration with company-specific data
- Suitable for single and mixed alkali
- Suitable for common salt, Glauber's salt and recycled salt
- Suitable for any PC or tablet running Windows 10, 10 IoT or 11
- Optional data upload to the cloud



Application Area

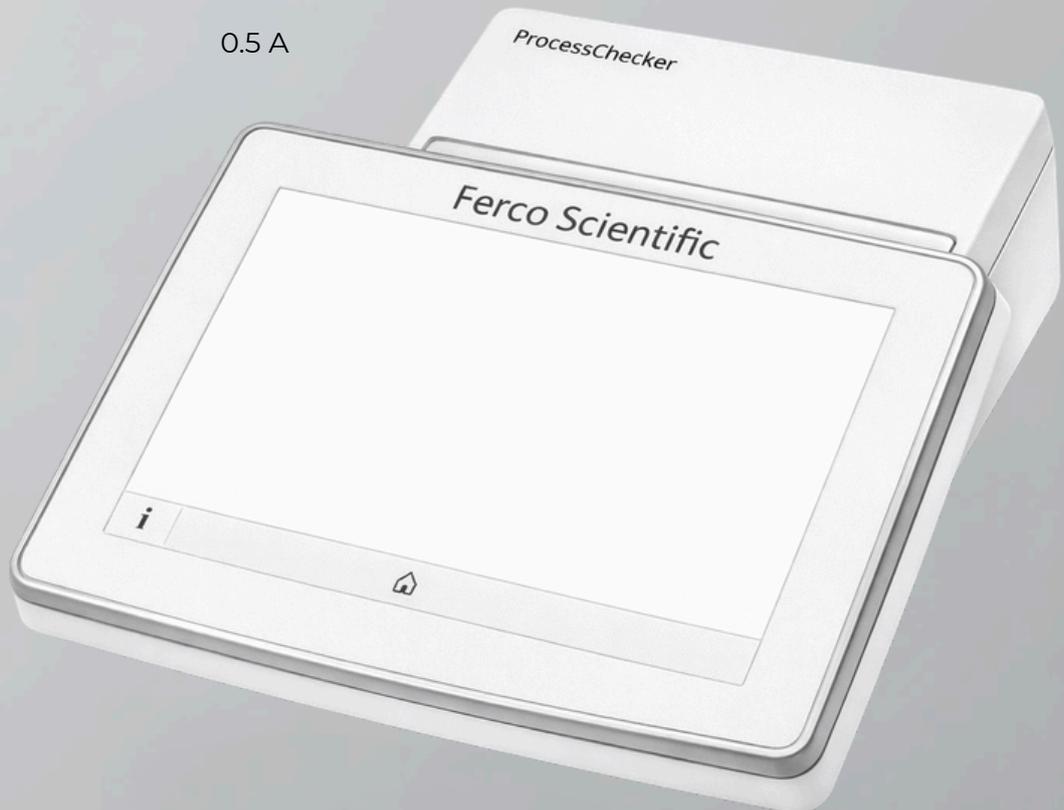
- Exhaust dyeing of cotton and other cellulosic fibres like viscose and linen.
- Can be combined with ColorChecker systems for complete process control from laboratory to bulk production.

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Technical Data

pH measurement range:	-2 to 20
Conductivity measurement range:	0 to 2,000 mS/cm
Temperature range for samples:	4 to 100°C
Dimensions (without probes):	195mm x 205mm x 65mm
Weight (without probes):	0.85kg
Input voltage:	100 to 240 VAC
Input frequency:	50/60 Hz
Input current:	0.5 A



Problem:

Uncontrolled salt concentration pH and liquor ratio during dyeing.

Solution:

Measurement-based verification and correction using ProcessChecker.

Contact

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