

SLM™ & Hydri-SLM RT™



CLEAN IN PLACE (CIP) OPTIMIZATION

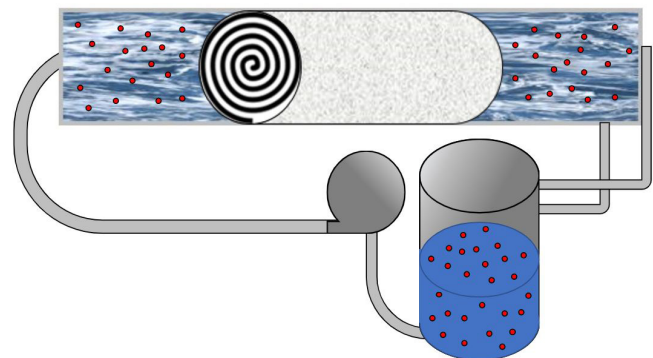
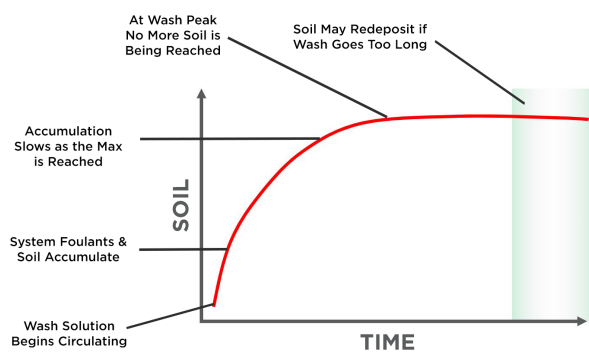
In most clean-in-place or stand-alone systems, baseline soil is established as individual cleaning circuits, post-production begins CIP circulation.

As chemistry is added and temperature increases, removed soil accumulates in the wash solution. When the wash nears completion, the soil in the solution reaches a maximum load. At this wash peak, no more soil is being removed. This peak is maintained for most of the remaining circulation time. However, soil may redeposit if a wash goes too long because of the continued degradation of soils in solution can lead to redeposition. When the changes in soil load are monitored throughout a CIP program, this information can be used to generate a soil load map which can be analyzed for optimization opportunities.

SOIL LOAD MAPPING RESULTS CAN BE ANALYZED FOR

- Amount of soil removal
- Confirmation when “clean is clean”
- Washes where little soil is removed
- Water usage per clean

SLM™ and Hydri-SLM RT™ are informed methods for analyzing your current CIP program to provide insight into procedural changes for reduction in time. By investigating the unique soil load map of an individually cleaned circuit, recommendations can be made for optimizing the current program or investigating the impact of program changes while minimizing risks to production schedules, processing equipment components and food safety.



SLM™ & Hydri-SLM RT™

SLM™

Hydrite's first-gen clean-in-place technology helps users identify unique opportunities for **maximizing optimization and minimizing risk**, with demonstrated success of reducing CIP time, water usage, and chemical spend.



Analyze the Process



Continuous Sampling & Testing



Data Visualization



Compile Benefits and Establish an Action Plan

HYDRI-SLM RT™

Building off of Hydrite's SLM™ technology, the new Hydri-SLM RT™ in-line solution uses PC-based, sensor technology to collect, visualize, and **interpret data in real time**.

The next level in clean-in-place (CIP) technology has arrived. Hydri-SLM RT™ enables users to cut out manual processes and upgrade their CIP program to fully-automated soil load analysis.

REAL-TIME DATA at up to
2 samples per second

Gone are manual sample selections and reactive CIP troubleshooting and enhancements. The fully-automated Hydri-SLM RT™ collects data at up to two samples per second, giving cleaning professionals enhanced control and information at their fingertips. Aggregate Hydri-SLM RT™ data can capture natural production variability, providing valuable insight that can **predict issues before they happen**.