

STERILIZATION MANAGEMENT SYSTEM

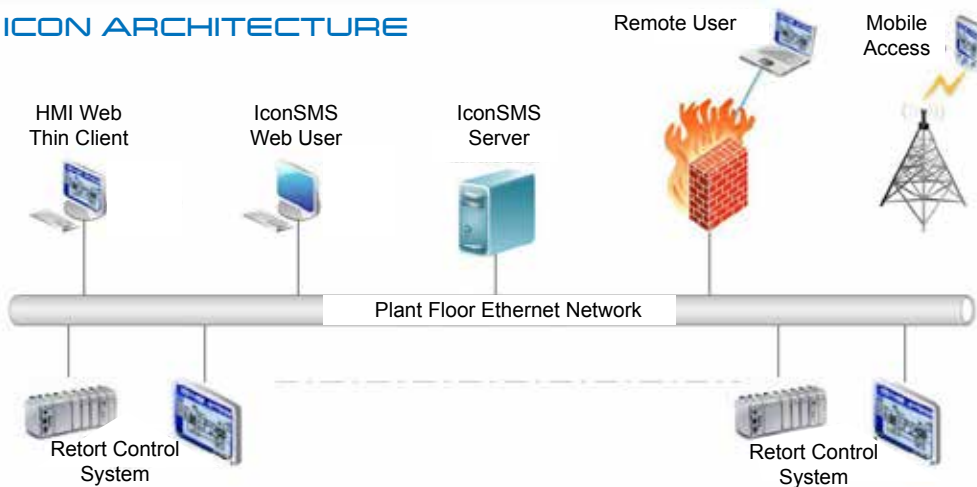
- Quick and inexpensive upgrade from earlier **ICON** system
- Scalable, robust and secure database with cross-over backup
- Precise retort control with phase dependent valve tuning factors.
- Web Based **ICON^{SMS}** recipe, report and trending manager independent of retort HMI program.
- Reports can be exported to various formats such as PDF, XLS, and RTF with guaranteed printout accuracy.
- FDA / USDA accepted features including real time process optimization and deviation compensation.
- Real Time data is recorded and stored for each and every process.
- Common recipe and data management architecture for ALL process modes
- HMI provides equipment visualization and comes with a 2-year manufacturer's warranty.
- Compatible with 21 CFR part 11 requirements (Electronic Record and Signature requirements); 21 CFR part 11 validation available upon request.
- Full IQ / OQ documentation on each installation



STOCK America's **ICON** Supervisory Control and Data Acquisition (SCADA) System includes high end visualization for representation of the equipment along with a secure relational database for safe and secure data collection and storage.

STOCK **ICON** controls are used in our entire product line, including batch and continuous retorts. Additionally, they can be utilized to control competitive sterilization systems, related equipment and general thermal processes.

ICON ARCHITECTURE



- Recipes, batch records, and process data are stored on a central PC via a SQL database.
- Operational as a stand alone or in a networked architecture.
- Web browser accessible through a local intranet web
- Remote access features are provided via an VPN which provides process authorities and engineers easy access to the system.

WEB BASED REPORT MANAGEMENT

Report Management is provided via an intranet application that allows users to monitor the current state of the retorts and generate reports for the process of recipes. Some of the features are:

- Status screen displaying the retort's current status with real time process trending
- Proven, reliable report generation
- Auto printouts are available at the end of each batch within 5-10 seconds from process completion
- Query and manual report views and printouts available at host or networked computer
- Reports include recipe, historical trending, batch reports and summary data tables
- Easy Query Tool / Reprint Function
- Reports can be filtered by date, time and retort



Batch Report Filter

Batch Start Time: 06/04/2009 00:00:00 Batch End Time: 06/05/2009 00:00:00

Retort: All
Retort 6
Retort 7

Request Batches

Print	Retort	Batch Id	Batch Start	Batch End	Prod Code	Revision	Flavor/Batch
<input checked="" type="checkbox"/>	Retort 7	0709330406042009	6/4/2009 9:33:04 AM	6/4/2009 10:36:45 AM	Stock_Test	1	r7t1
<input type="checkbox"/>	Retort 6	0610070006042009	6/4/2009 10:07:00 AM	6/4/2009 11:04:20 AM	Stock_Test	1	r6s1
<input type="checkbox"/>	Retort 6	0611060606042009	6/4/2009 11:06:06 AM	6/4/2009 11:27:46 AM	Stock_Test	1	r6s1
<input type="checkbox"/>	Retort 7	0712511106042009	6/4/2009 12:51:11 PM	6/4/2009 1:54:39 PM	Stock_Test	1	r7t1

WEB BASED RECIPE & DOWNLOAD MANAGEMENT

Recipe management and recipe download is provided via a web based application. Users can develop, edit and download recipes as well as generate retort processes and recipe reports.

Since it is a web based application, it can be accessed from any computer connected to the network without the need of additional applications.

- Number of recipes practically unlimited; segregated by process mode
- 16 step process definition; more upon request
- Revision control / Windows OS password protection
- Recipe & step specific alarm setpoints



REAL TIME AND HISTORICAL TRENDING INCLUDES:

- Real Time Trending shows 'one shot' of retort activity
- Custom configurations with tag based trending of critical variables
- Historical trending data tables and detailed charts for accurate process and deviation evaluations
- Flexible data points

