

Automated Solution Dispensing (ASDS)

System by Mactus Automation

Mactus ASDS is a fully automated system that prepares different cleaning, detergent, sanitising and /or disinfectant solutions to facilitate cleaning and maintenance of manufacturing premises and various operations performed therein (e.g. Isopropyl alcohol 70% v/v, Savlon 2% v/v, disinfectant for equipment cleaning etc).

The required quantity of solution of any strength is made available to the user on demand (instead of prior preparation and storage for long). The data and metadata associated with this preparation is available to the user function in electronic form eliminating usage of manual log books and entries.

Challenges

Existing Manual methods of preparation and usage has several drawbacks :

- Prone to errors in preparation (right quantity, right solution, associated documentation, mixing steps etc.)
- Reconciliation of quantity prepared and used every time and every day
- Missing out on periodic rotation of disinfectants per written procedures
- Wastage of solution if not used within 24 hours or defined hold times

The solution- Mactus ASDS

- On Demand Solution Preparation
- Cost savings and Return on Investment assured
- Correct strength and quantity (Accuracy of volume assured)
- Minimises wastages
- Ease of reconciliation between quantity prepared, used and discarded
- The system has capability to prepare 6 different solution strengths
- 21CFR Part 11 compliant user management
- Automated Record Keeping and Historical data storage, Audit Trail
- Pharma Compliant SS Fabrication, Easy to use HMI interface, Wheels to move from place to place



Usages

Automated Solution Preparation

Automated Record Capturing

Optional Biometrics Integration

Flexibility in usage



Functionality

Use of unique user id and password

Solution Selection, Preparation, Dispensing capabilities

Data management

Data Archived for future use

Audit trail enabled



Benefits

Eliminates wastage

On demand solution preparation

Automated Data Capture

Eliminates Manual Log Books and errors

MOC in line with Industry expectations

In summary

- A completely compliant and cost saving solution designed to meet cGMP expectations
- Ensures Consistency through error free operational controls
- Data generated meets ALCOA+ expectations

Screen view of System

