

Weigh and Dispense

- Electronically manage material dispensing and tracing functionality.
- Electronically manage order details, reports, logbooks, and calibration information.
- Reduce material variability and operator error.
- Meet quality control requirements with point-of-use verification as well as forward and backward material traceability.



Avoid scrapped lots due to dispensing errors.

Introduction

Syncade's Weigh and Dispense module provides manufacturers with an unprecedented level of control and visibility of work-in-progress materials for operations in cGXP or non-cGXP environments. This module extends plant floor automation to include critical material weigh and dispense functions. By guiding dispensing operators through defined workflows, material dispensing activity is consistent between operators and a complete record of the operation is maintained for product release and regulatory review purposes. You will have an accurate report, including point-of-use verification of the material identity, amount, and quality control status.

An intuitive user-friendly interface makes it easy to assign, track, weigh, dispense, and report all materials-related information. Eliminate the need for separate and disconnected dispense operations and associated paper logbooks. The Weigh and Dispense module improves the efficiency of critical weigh

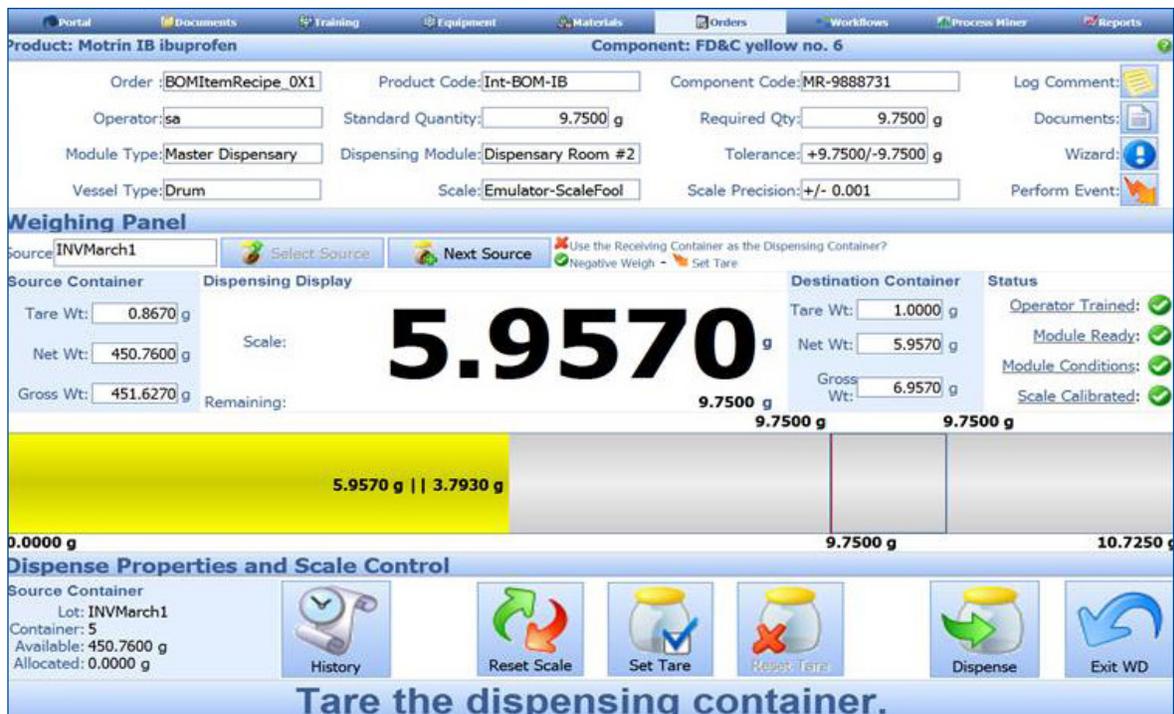
and dispense activities and provides point-of-need verification through wireless handheld devices.

For those industries under cGXP regulations, Syncade is fully compliant with all cGXP regulations, including 21 CFR Part 11. The Weigh and Dispense module provides the tools needed to ensure that timely required actions are taken to optimize manufacturing operations.

Drive Compliance and Deliver Right First Time

Reduce errors with standard operating procedures.

Define and document global and material specific processing rules to ensure that all standard operating procedures are followed. Material definitions can include the allowance for potency adjustment, weighing tolerances, operator training needs, MSDS and SOP reference links, material hazard warning messages, personal protective equipment requirements,



Product: Motrin IB ibuprofen Component: FD&C yellow no. 6

Order: BOMItemRecipe_0X1 Product Code: Int-BOM-IB Component Code: MR-9888731 Log Comment:

Operator: sa Standard Quantity: 9.7500 g Required Qty: 9.7500 g Documents:

Module Type: Master Dispensary Dispensing Module: Dispensary Room #2 Tolerance: +9.7500/-9.7500 g Wizard:

Vessel Type: Drum Scale: Emulator-ScaleFool Scale Precision: +/- 0.001 Perform Event:

Weighing Panel

Source: INVMerch1 Select Source Next Source Use the Receiving Container as the Dispensing Container?

Source Container Tare Wt: 0.8670 g Net Wt: 450.7600 g Gross Wt: 451.6270 g Remaining: 9.7500 g

Dispensing Display Scale: **5.9570** g

Destination Container Tare Wt: 1.0000 g Net Wt: 5.9570 g Gross Wt: 6.9570 g

Status Operator Trained: ✓ Module Ready: ✓ Module Conditions: ✓ Scale Calibrated: ✓

0.0000 g 9.7500 g 10.7250 g

Dispense Properties and Scale Control

Source Container Lot: INVMerch1 Container: 5 Available: 450.7600 g Allocated: 0.0000 g

History Reset Scale Set Tare Reset Tare Dispense Exit WD

Tare the dispensing container.

The easy-to-use operator interface makes it simple to manage dispensing operations. Use empty container for standard weighing or choose the negative weigh option to weigh from a full container.

suggested container size and quantity, and weigh-scale calibration requirements.

Eliminate paper records and reduce material variability.

Guide dispensing operators through the process in an intuitive way based on the dispensing requirements for the material to greatly reduce the chance for error caused by manual and paper-intensive processes. Support for electronic weigh-scale interfaces and extensive use of bar code labeling technology help to ensure that the right material, in the correct quantity, with the right label, is weighed and then delivered on time for right-first-time manufacturing. When interfaced with an ERP system, the Weigh and Dispense module can automatically update inventory, eliminating manual reconciliation to ensure inventory reports are up-to-date.

Enable flexible scheduling of dispensing orders.

Dispensing and operations management personnel have complete visibility to past and future dispensing orders, providing the information needed to accurately schedule work and ensure on-time delivery of materials to manufacturing.

A quick glance can also indicate whether operations are ahead or behind schedule and the potential impact.

Comply with the revised Hazard Communication Standard.

Weigh and Dispense now provides alignment with the Globally Harmonized System of Classification and Labeling of

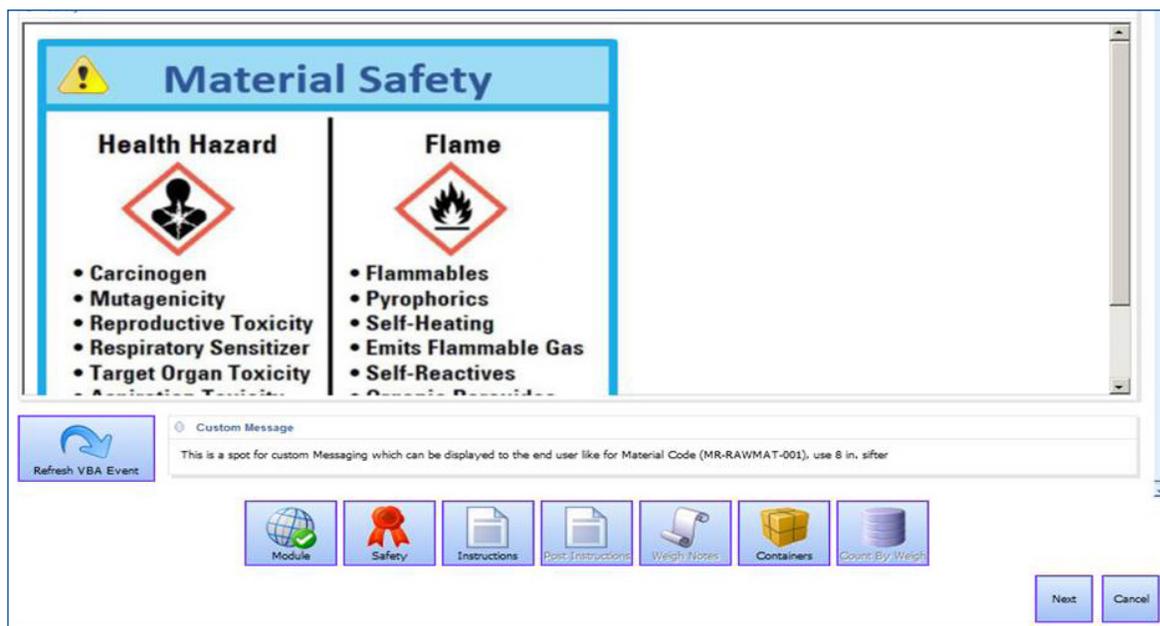
Chemicals to help improve the consistency of hazard information. Text and pictograms from external systems or files can be inserted into the Weigh and Dispense instructions.

Enhance material traceability. Once an order has been successfully dispensed, the Weigh and Dispense module will manage the movement and control of the material - at a container, pallet, and order level. Both central and area dispensed material consumption are verified in real time to prevent the inadvertent charging of incorrect, expired, or rejected materials. In addition, any materials produced by the process are managed and controlled until their return to the warehouse system (inventory management). This end-to-end material genealogy gives you a paperless work-in-process material control and reporting solution. Use standalone or integrate with a corporate ERP system.

Eliminate paper with electronic reporting. Eliminate the need for paper-based logbooks and the frustration of missing or incorrectly done sign offs. Allow quick review and approval of materials with electronic signature verification.

Document material weigh and dispense information needed to generate a comprehensive electronic manufacturing record.

Simplify validation and commissioning. Because the Weigh and Dispense module is a true zero-client, web-based solution, you can quickly install, validate and deploy from a centralized



Insert Globally Harmonized System of Classification and Labeling of Chemicals information into dispensing instructions.

server and begin to realize the benefits immediately. The weighing, dispensing and tracking of materials is quick and easy, and you can ensure that all your asset management and regulatory needs are met.

Improve Operations

Syncade's Weigh and Dispense module provides complete functionality for weigh and dispense operations, resulting in improved product quality and reduced variability. The module retains dispensing requirements for all raw and intermediate materials and provides flexible scheduling of dispensing orders by operator and/or dispensing station. It maintains required data for complete work-in-process forward and backward material traceability.

The module ensures all material operations are performed per the recipe requirements and provides a complete electronic record for Quality Assurance purposes. It provides comprehensive support for bar code scanning, wireless handheld devices, electronic weigh-scales, and integration with ERP systems.

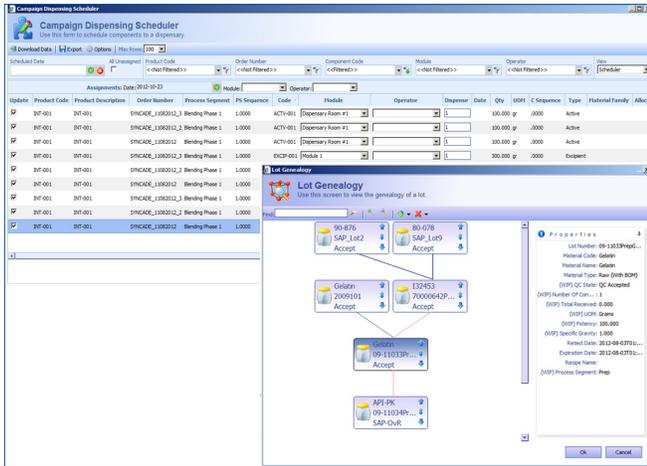
The Weigh and Dispense module is licensed as a bundle with other Syncade modules to ensure you can avoid material management deviations before they happen.

- Standardize and calibrate all dispensing equipment to ensure it is working properly.
- View standard operating procedures or other material management reference documentation.
- Record and view the electronic workflow.
- Manage user access.

Bundled License Packages

There are two bundled license packages available for Weigh and Dispense applications:

Professional bundle contains one production server license and two non-production server licenses for each of the Syncade modules. This bundle supports up to 125 named users and 10 weigh booths. It provides 3 Recipe Author licenses. It also includes an SAP Crystal Reports Runtime license and an ActivePDF Toolkit OEM license.



Other Syncade Smart Operations Management Modules

Syncade supports a wide variety of other Operations Management solutions. Visit our website to see the complete list of Syncade modules and solutions.

General System Requirements

One or more network application servers running Microsoft SQL Server are required to run Syncade modules. For client access, a PC with Internet Explorer is needed. Please consult the factory for further details regarding hardware requirements and software versions.

Ensure important data is accessible quickly and easily.

Experience bundle contains one production server license and two non-production server licenses for the Syncade modules. This bundle supports up to 25 named users and 2 weigh booths. It provides 1 Recipe Author license. It also includes an SAP Crystal Reports Runtime license and an ActivePDF Toolkit OEM license.

Ordering Information

| Description | Model Number |
|-------------------------------|--------------|
| Weigh & Dispense Experience | SYOM1003WDE |
| Weigh & Dispense Professional | SYOM1003WDP |
| Additional Weigh Booth | SYOM11UPSWB |

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