

Formulate Dispensary Software

- An advanced management system for controlling a dispensary
- Single dispensary station or networked multi-station layout
- Each dispensary station supports multiple scales
- Reads and writes bar-codes or electronic identification tags
- Provides comprehensive lot traceability
- Guides operator using your Standard Operating Procedures
- Creates an electronic batch record
- Suitable for FDA regulated processes
- Can be installed on existing network
- Can share a database with your IT system
- Real-time quality, production efficiency monitoring

The **Formulate** software prompts the operator through the Standard Operating Procedures for weighing out of ingredients to make a recipe or formulation and record the transactions for future analysis or reporting.

The system can run on a stand-alone PC, but increasingly is being installed on the user's IT network which allows access to the system by any authorised user on any workstation on that network.

The database will also reside on the user's server.

Manually operated or automatic Dispensary Stations can be added to the network where appropriate.

The system can link to Goods Inwards, Laboratory and data acquisition packages.

Formulate Manager is usually accessed from a workstation on the network. The software enables the user to set up the system and collects and records the transaction data from the Dispensary Stations.

A powerful reporting utility enables the user to create bespoke reports to suit their own requirements from the central database.

Data can be imported and exported from other sources such as Oracle databases.



Typical application of Formulate

Formulate Dispensary software runs on a Dispensary Station consisting of either an industrial workstation / terminal or PC.

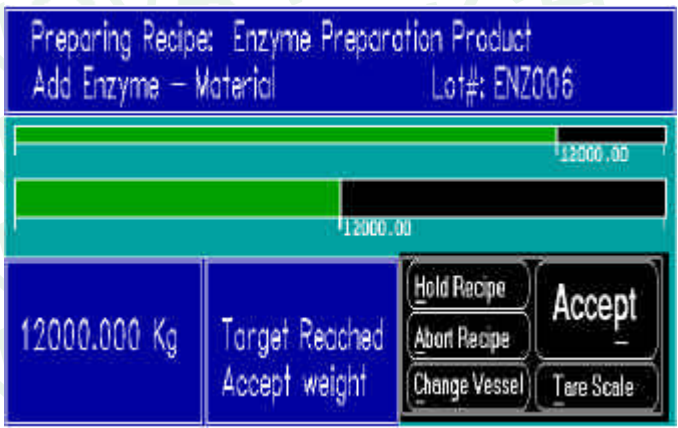
The operator is prompted through the weighing out of ingredients using the user's Standard Operating Procedures with the software checking that the ingredients are added to the tolerances defined in the formulation.

A large bar-graph is displayed on the screen which changes colour when the target weight is being approached and turns green when the weight is within the required tolerance.

Once the weight is accepted, a bar-code label is usually produced to be attached to the container so that the information of its contents can be traced throughout the process.

The Dispensary Station allows several scales to be connected to a single station and a bar-code reader can be used to verify that the correct ingredient is being used.

An electronic batch record is created and stored on the central database, and lot traceability is also provided.



Example of operator terminal display

TECHNICAL SPECIFICATION

Hardware

Networked System

- Microsoft Windows 95 or Windows NT using Novell or Microsoft networks
- Topologies include: Ethernet (thick, thin, 10 Base T, fibre optics) and IBM Token Ring
- The database will reside on the Server

Management Workstation

- with a Pentium processor, 64 Mb RAM, running Windows 95 or NT and **Formulate Manager** software.
- Options:**
- link to a label report printer
 - connection to a modem for remote support

Dispensary Workstation

Minimum requirements

- Work Station or Terminal with a Pentium processor, 64 Mb RAM, serial and network cards, running Windows 95 or NT
- Weighing scale with RS-232 interface
- **Formulate** terminal license

- Options**
- 2 further scales
 - Bar code or electronic tag reader
 - Bar code label or document printer
 - Batching interface
 - Temperature/pressure monitoring

Software

Formulate Manager software

The software allows users (subject to authorisation):
set up user security levels

- produce reports to their own design
- have detailed "lot" and "batch" traceability
- goods inwards - recording product entering the system and recording or allocating "lot" numbers
- laboratory - release an ingredient "lot" from quarantine
- production plan - enter/run a plan through the Dispensary Stations
- measure production efficiency of each Dispensary Station

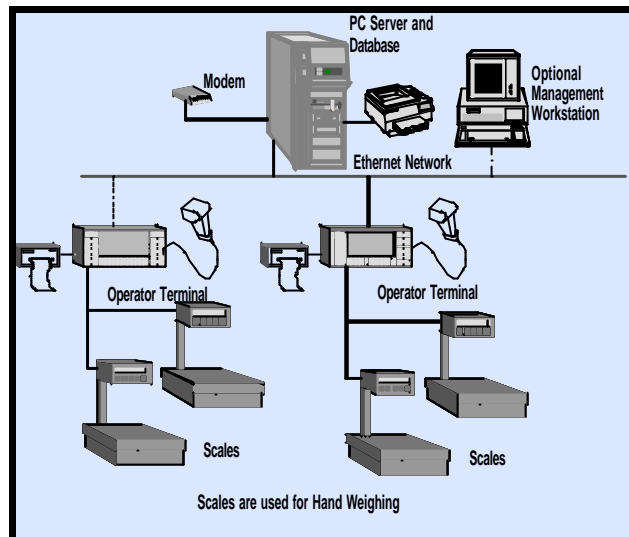
- Options**
- Stock control
 - Automation of batching of ingredients
 - Bin / container tracking

Formulate Dispensary software

The software enables the operator to be guided through the weighing of all the ingredients for a recipe to within the defined tolerances and using the user's Standard Operating Procedures.

Standard features

- large readout of weight and a bar-graph to help the filling process
- operator is told which scale to use
- campaign weighing for the weighing out of the same ingredient for different recipes
- using a bar-code scanner to verify the product (and its quality status)
- operator can enter and record exceptional, critical events or quality problems



Nova Weigh Formulate



BS EN ISO 9001:2000 Cert No: FM 11445

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