



Process Engineering
Division

Niro Pharma Systems

AEROMATIC
BUCK
COLLETTE
COURTOY
FIELDER
LYOPHIL
NICA
NIRO



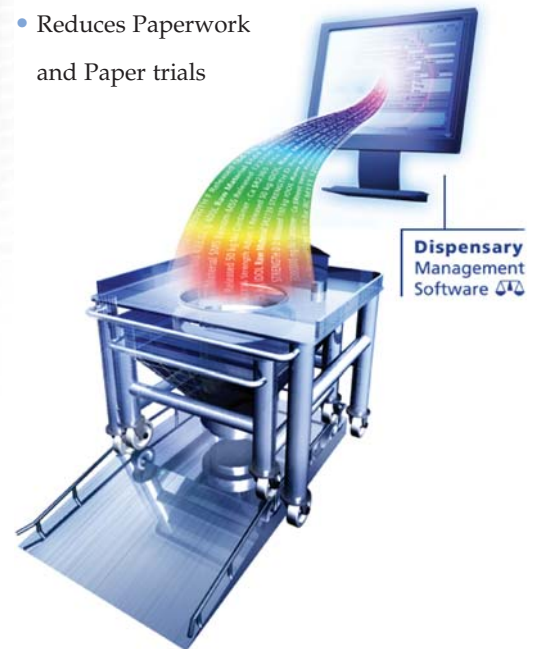
Buck Systems BuckWare™ X Series Software Solutions

64.80 kg



BuckWare™ XD Dispensary Management Software

- Reduces common errors that occur during the weighing process
- Ensures correct ingredients are used - ingredient / QC / Out-of-date material
- Ensures correct weight is dispensed, preventing under or over filling
- Ensures the correct weigh scales are used
- Improves Productivity
- Reduces Paperwork and Paper trials



Dispensary
Management
Software

BuckWare™ XD Dispensary Management Software

BuckWare™ XD is a dispensary management software solution. It ensures the security of raw material and recipe data, creates new recipes and batches, provides accurate weighing, communicates directly with warehouse inventory files and provides secure electronic reports on demand. BuckWare™ XD ensures the correct ingredients and weights are used for all recipes, maintains quality control, improves productivity and reduces the amount of paperwork.

Architecture

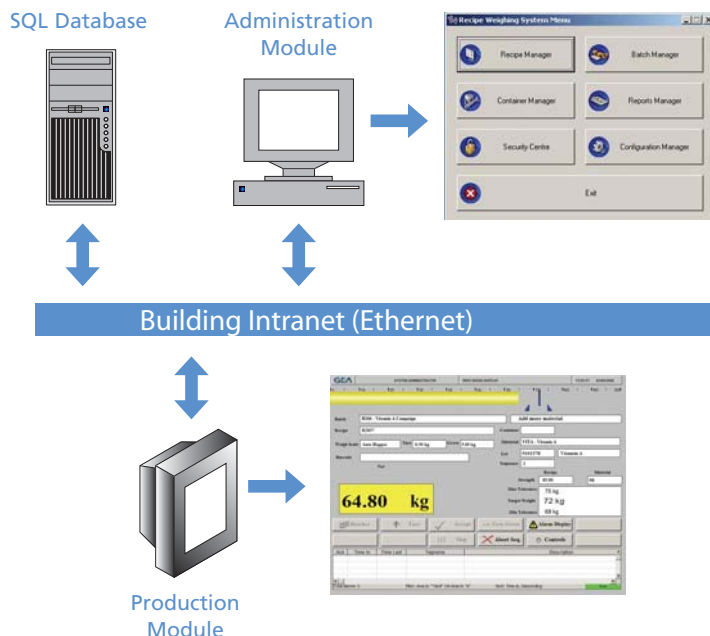
The system consists of an office based *Administration* module and a work-station based *Production* module.

The *Administration* module allows new recipes to be formulated, new raw materials to be added and new batches to be raised. The supervisor can view all the information relating to dispensed batches, the lot numbers of the raw materials used, actual dispensed weights and the operator who performed the dispensing operation as well as time and date of the operation. User privileges for the system are set using the *Administration* module

Information is securely stored on an SQL database, which can reside on the client's main server, or a local PC for smaller systems.

The *Production* module is based within the dispensary and steps the operator through the weighing process using a large touch screen PC. The PC clearly displays the recipe formulation, target weights for each ingredient together with safety information. The dispensary's balances & scales and any bar-code reader are linked back to the PC. The PC also acts as the interface to the PLC and any machine control within the dispensary, such as hopper valve actuation, post hoists and so on.

Dispensed weights are captured electronically and uploaded to the database. The PC uses GE Fanuc Interlution iFix SCADA software. The system is fully CFR 21 Part 11 compliant, using windows based security for user names and passwords via the client's intranet.



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Niro Pharma Systems unites the technologies of Aeromatic, Buck, Collette, Courtoy, Fielder, Lyophil, Nica and Niro to supply advanced processing solutions for solid dosage forms to the pharmaceutical industry.

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