



WAYAHEAD
SYSTEMS

- 3WS DISPENSING -
Wayahead Windows Weighing System



50 Sites

15 Countries

Since 1987

3WS - stands for Wayahead Windows Weighing System.

It is a Wayahead product, which is extensively validated.
 It is a Windows product and runs on all Windows platforms.
 It is a Weighing application for manufacturing companies.
 It is a complete System, covering many production activities.



3WS is very stable and each site can customise their usage of each feature. The system is installed at many sites worldwide and has been extensively validated to FDA level at most of these sites.

3WS has many significant features, such a Quantity Sufficient processing, Potency management etc. All weighing or mixing programs have large displays of important details (Names and Weights). The color bar to show weighing progress, from yellow, to green, then red if overweight, is a major feature with large warning messages. Periodic balance calibration and servicing, is guaranteed by 3WS.

3WS can be interfaced to any ERP system. This allows systems, such as SAP, BPCS, JD Edwards, QAD etc, to transfer material, lotno or work order data to 3WS. After dispensing, the usage data about work orders or lotnos can be automatically transferred back to ERP.

Batch: ABC54321 BENDIGO COUGH SYRUP Formula: FORM014 Ed: 2

Batch List | Item List | Lot Nos | **Dispense**

Batch Details
 Batch No: **ABC54321** BENDIGO COUGH SYRUP
 Formula Id: FORM014 Edition: 2

Item Details
 Item No: 1 Material Id: MAT001 Name: BROWN SUGAR
 Lot No: LOT01
 Hazard: PartNo: Required Qty: 2 g 000 mg 000
 Accepted: 0 g 000 mg 000
 Outstanding: 2 g 000 mg 000

ComPort: 1 Mettler

Tare:	kg 0	g 100	mg 100
Weighing Gross:	kg 2	g 100	mg 100
Nett:	kg 2	g 000	mg 000

Tolerances: Lower 99.00% Upper 101.00%

100%

NEW FEATURE:

During dispensing, the extra screen below, displays the current Remaining Weight still to be weighed, which clearly shows the operator how much more material to weigh out. This screen's color matches the main Dispensing color bar display.

Extra Info

REMAINING:

kg	g	mg
		0

3WS Dispensing Screen: Yellow (low) Green (OK) Red (high)

List of Available Modules:

- ✓ Dispensing
- ✓ Manufacturing/Mixing of weighed materials
- ✓ Lot Number barcode Labels
- ✓ Packaging Issues and also Returns
- ✓ Location Management, with links to ERP
- ✓ Scheduling of Materials, includes WIP batches
- ✓ Finished Goods Labels
- ✓ Interfaces to ERP (SAP, JDE, etc)
- ✓ Data Audit Trail to FDA level requirement
- ✓ Labor Costing by RF Scanner activity entry

Dispensing Label

Material: BROWN SUGAR
 Lot No: LOT01 Material#: MAT001
 Product: BENDIGO COUGH SYRUP

Batch: ABC54321 Form: FORM014 Vers: 2

	Kg	g	mg	Factor: 1	Item #: 1
Tare	0	100	000	Mode:	1/1 R
Gross	2	100	000	User: ALAN	
NETT	2	000	000	02-Feb-07 4:22:26 PM	

Example Dispensing label

Dispensing Module



BENEFITS



- Fully Windows compatible (Windows XP, 2000, 2003, Vista etc)
- Can be linked to ERP applications, such as, SAP, JDE, MFG-PRO, MOVEX etc.
- Barcode verification guarantees the correct material is used.
- Eliminates hand-written labels and forms. Prints barcoded dispensing labels.
- Automatically records actual usage quantities during production phases.
- Cannot double up or miss out any materials during dispensing, mixing or packaging.
- User specified tolerances, rules, sequencing of production procedures.
- Material hazard warnings on screens and also on QC and Dispensing labels.
- Caters for non-standard work order sizes, with controllable levels with Min & Max work order capacity.
- All information can be reviewed at any time (online or as reports), before, during or after production.
- Full supplier, lot, quantity used audit trail across all lots and all work orders.
- Complies with the principles of Good Manufacturing Practices (GMP).
- Validation procedures (IQ, OQ, PQ), including Tests Scripts and Test Results are available.
- Fully validated at all live sites.
- Increase in speed of all production processes – labeling, weighing, mixing, packaging.

INFORMATION ABOUT DISPENSING

Lot Number Confirmation:

Using barcodes on the lot number label, the program confirms the correct material is used, the Lot number has been approved, the use-by date has not expired and sufficient material is available.

Fill Meter (color bar):

Incorporates a highly visible color progress bar, which appears as soon as the material has been verified by barcode scanning. The color bar changes from yellow to green when the weight falls within the tolerance levels and becomes red when your upper tolerance level is exceeded.

Data Audit Trail (FDA feature):

Good Manufacturing Practices requires all access to a computer system to be recorded. The Audit feature records all program, data changes & user access at all times.

Multiple Balances:

Each workstation (PC) can monitor multiple balances of different makes and ranges.

Strength Factor / Potency %:

When a material is QC checked it may be important to record strength factor or potency percentage for in-process calculations.

Filling of Work Order with an excipient material:

Used with the Lot potency feature. Fill-of-Batch will re-calculate a material's required weight to guarantee a consistent batch size. QS processing is also available.

Calibration of Balances:

Automatically checks that any balance about to be used in dispensing, has been checked prior to use, using pre-defined weights.



Lot No: **LOT285**

Material: **MAT148**
GLYGO FORTUMIDE GRADE 1

Supplier: **ACME Chemicals Inc.**
Supplier Batch: 0267-43A
Expiry Date: 17-JUNE-2011

Example Lot Number label



3WS Validation Protocol Available

PLANNING: Wayahead can develop a project plan for sites, who require help with system validation. Starting with the Validation Master Plan (VMP), Wayahead can assist users to create all documentation required for formal validation.

DESIGN: Each site should prepare a User Requirements Specification (URS), which Wayahead can assist with. Wayahead already have many documents managed under formal change control, including Functional Requirements Specification (FRS) and System Detailed Design Specification (SDDS).

INSTALLATION: During the validation stage, various implementation and testing documents must be managed, such as, Installation Qualification (IQ), Operational Qualification (OQ) and Performance Qualification (PQ). These are industry recognised protocols, which Wayahead can assist the end-user to create and manage.

VALIDATION TESTING: With regards to actual validation testing, Wayahead have developed a Validation database of over 700 Test Scripts which can be customised for any site. A list of Test Scripts will then be generated, to accompany the OQ and PQ documentation. Test Results are then generated during validation, which Wayahead can manage for any site. All Wayahead sites are fully validated onsite. Wayahead have been heavily involved in about half of 3WS site validation projects.

Please contact Wayahead any time to discuss any aspect of your Validation requirements.

Also please visit our website, to review various Customer Case Studies about how they use 3WS.



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