

# U-WEIGH WEIGHBRIDGE SOFTWARE INFORMATION SHEET

## 2008 UPDATE

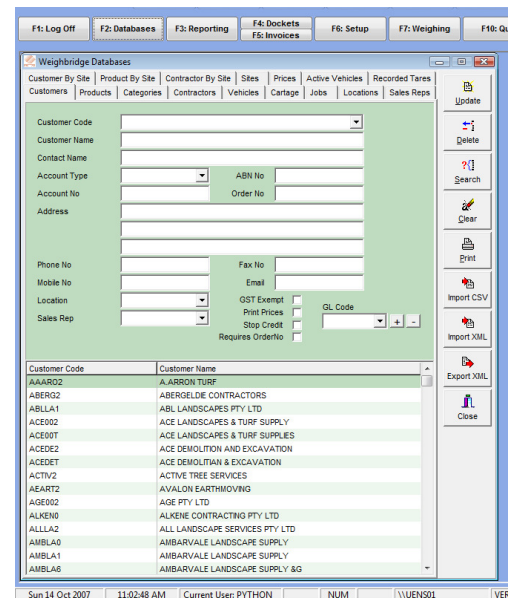
### DATABASES

Our weighbridge software operates under the Microsoft SQL environment, a proven and reliable database system that ensures the fastest and data retrieval. With some modifications we can make use of alternative database systems such as Oracle and MySQL (for server-based database engine) or Access and Paradox (for standalone systems).

The software provides databases accommodating the storage of data on customers, products, contractors, vehicles, prices, jobs and cartage rates. The intuitive, mouse and keyboard driven interface allows easy editing and retrieval of data. Multiple levels of searching (ie. Auto-completion of typing, list previews and even wild card searches) allow for the easy exploration of the data.

Database records are able to be imported directly from accounting packages such as MYOB and Quickbooks or even higher end systems like SQL, Oracle, JDE and SAP). Data can also be imported and export in Excel and XML formats.

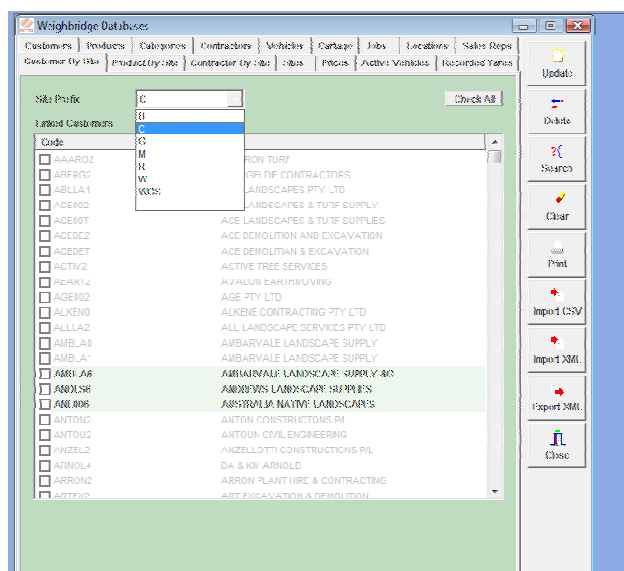
As well as allowing the customary storage of contact details such as names, addresses, phone numbers and email addresses, the customer database can be used to store linked account numbers (for exporting/linking data directly to an accounting package), credit information (with customers able to be set up with a level of authorised credit and/or have their account put on hold), salesperson details and region or class classifications (useful for reporting).



The screenshot shows the 'Weighbridge Databases' window. At the top, there are tabs for F1: Log Off, F2: Databases, F3: Reporting, F4: Dockets, F5: Invoices, F6: Setup, F7: Weighing, and F10: Q. The main window is divided into two sections. The top section is a form for entering customer details, including fields for Customer Code, Customer Name, Contact Name, Account Type, Account No, Address, Phone No, Mobile No, Location, Sales Rep, Fax No, Email, GST Exempt, Print Prices, GL Code, Stop Credit, and Requires Orderio. The bottom section is a list of customers, with columns for Customer Code and Customer Name. The list includes entries such as AAAR02, AARRON TURF, ABR002, ABERDEEN CONTRACTORS, ABLLA1, ABL LANDSCAPES PTY LTD, ACE002, ACE LANDSCAPES & TURF SUPPLY, ACE00T, ACE LANDSCAPES & TURF SUPPLIES, ACEDE2, ACE DEMOLITION & EXCAVATION, ACEDET, ACE DEMOLITION & EXCAVATION, ACTV2, ACTIVE TREE SERVICES, AEART2, AVALON EARTHMOVING, AGE002, AGE PTY LTD, ALKEN0, ALKENE CONTRACTING PTY LTD, ALLLA2, ALL LANDSCAPE SERVICES PTY LTD, AMBLA0, AMBARVALE LANDSCAPE SUPPLY, AMBLA1, AMBARVALE LANDSCAPE SUPPLY, and AMBLA6, AMBARVALE LANDSCAPE SUPPLY & G. The right side of the window has a vertical toolbar with buttons for Update, Delete, Search, Clear, Print, Import CSV, Import XML, Export XML, and Close. The bottom status bar shows the date and time (Sun 14 Oct 2007, 11:02:48 AM), the current user (PYTHON), and the version (NUM, VUENS01, VEF).

Customers in the database are able to be flagged as active, inactive and prospective. Inactive customers remain accessible in the databases but do not display for the purposes of producing transactions. Reclassifying them to active status is as easy as pressing a button press. Similarly, details of prospective customer can be recorded and converted to active status when required.

The addition of the follow-up module allows internal sales people to chase up prospective customers by transmitting emails directly from the software package. Customers in the database can be flagged to receive emails messages on certain dates (notifying them of price changes, modifications to terms).



The screenshot shows the 'Weighbridge Databases' window. At the top, there are tabs for Customers, Products, Categories, Contractors, Vehicles, Cartage, Jobs, Locations, Sales Reps, and Customer By Site. The main window is divided into two sections. The top section is a form for entering site details, including fields for Site Prefix, Customer Code, and a 'Check All' button. The bottom section is a list of customers, with columns for Site Prefix, Customer Code, and Customer Name. The list includes entries such as AAAR02, AARRON TURF, ABR002, ABERDEEN CONTRACTORS, ABLLA1, ABL LANDSCAPES PTY LTD, ACE002, ACE LANDSCAPES & TURF SUPPLY, ACE00T, ACE LANDSCAPES & TURF SUPPLIES, ACEDE2, ACE DEMOLITION & EXCAVATION, ACEDET, ACE DEMOLITION & EXCAVATION, ACTV2, ACTIVE TREE SERVICES, AEART2, AVALON EARTHMOVING, AGE002, AGE PTY LTD, ALKEN0, ALKENE CONTRACTING PTY LTD, ALLLA2, ALL LANDSCAPE SERVICES PTY LTD, AMBLA0, AMBARVALE LANDSCAPE SUPPLY, AMBLA1, AMBARVALE LANDSCAPE SUPPLY, and AMBLA6, AMBARVALE LANDSCAPE SUPPLY & G. The right side of the window has a vertical toolbar with buttons for Update, Delete, Search, Clear, Print, Import CSV, Import XML, Export XML, and Close. The bottom status bar shows the date and time (Sun 14 Oct 2007, 11:02:48 AM), the current user (PYTHON), and the version (NUM, VUENS01, VEF).

Product details are stored within a centralised product database. A product-by-site database however allows site specific information to be documented for these products. This information includes unique pricing for each site, categorisation and stock totals. This level of filtering allows the weighbridge software to apply the appropriate price for a product depending on the site it was purchased from and maintain individual stock levels for a product (on a site by site basis). Product categorisation also enables category specific reporting.

Prices in the system are able to be set at three levels: list prices, special prices for customers and special prices for individual jobs. Prices for all sites can be set up and maintained from a centralised location and then replicated down to the appropriate sites by their prefixes. Individual sites need only ever see their site-specific pricing. The system automatically determines which price to apply at the

time of the transaction based on the data stored within these databases.

Facilities exist to set expiration dates on prices and even set prices to be rolled in at a future date. No longer do you need to wait to set new prices on the day. Set them up in advance and have them automatically applied for you.

The categorisation of products allows distinct customer and product lists to be provided when transactions are being recorded. A condensed selection list reduces both search times by operators and errors.

The jobs database allows job specific information (ie. customer, contractor and delivery and product details) to be recorded against a job number. Recalling the job number at transaction time retrieves and sets that information. A job specific price can also be applied. Using a job number also allows an initial ordered amount to be recorded and a progressive total (both load size and dollars) to be tracked with each printed docket.

Cartage calculations are configurable within the software. The database is flexible enough to allow different systems of cartage calculation to be utilised and is configurable to allow both the application of cartage to customer's transaction and calculating cartage payable to contractors (a module allowing the creation and printing of recipient created tax invoices is also available).

Cartage can consist of a fixed amount, a variable rate (charged on either kilometres or tonnage dependant on setup) or a combination of the two. The most common method implemented is the application of a fixed rate for delivering to a particular zone or suburb. The example here shows how a combination of the two rates can be applied.

Site Prefix	Cartage Name	Fixed Cost	Variable Cost
C	EX SITE TO GEELONG	125.00	18.50
C	EX SITE TO MELBOURNE	0.00	18.50

A vehicle database allows for truck data to be stored. A customer and contractor can be linked to a vehicle and automatically applied during transactions. Truck and trailer tare weights are stored individually; the database allows each vehicle registration to store two distinct (truck and the trailer if applicable) weights. Utilising stored tares in a single weighing makes for quick efficient completion of transactions. On-screen tick boxes allow individual weights to be applied based on the vehicle configuration.

The system also adheres to chain of responsibility legislation in facilitating the storage of legal weigh limits (for multiple configurations) and signalling to operators when these legal limits have been exceeded.

## REPLICATION

Multi-site databases are provided for customers with more than one site. The server/client model utilised by the software allows a centralised database to be created with the organisation-wide data. Unique, individualised views of that data can then replicated down to each of the sites displaying specific information on customers and products. A single product can have multiple site-specific prices (where the rate is determined by the site) and exclusive stock levels for each of these sites are also maintained.

## REPORTS

Multiple reports are provided by the software. Reporting is date based (filtered via a start and end date) and displayable transactions are able to be further filtered by site, customer, product, contractor, vehicle, job, order no, location, salesperson and/or category (or any combination of those fields). Filters also exist to differentiate between sales and purchases enabling two distinct sets of reporting.

Filtered summary and detailed reports are producible on each of the database categories (reports are available for cartages, contractors, customers, products, product categories and vehicles). Summary reports encapsulate transactional data by displaying only the totals for each category code within the subset of the data being displayed (for instance the customer summary report shows a list of all the customer codes and displays tonnage and dollar amounts for each those codes). A detailed report on the other hand lists each of the individual transactions for each of the category codes (with totals for each group).

[illegible]

## TRANSACTION EDITING

A transaction editing screen allows operators to modify pre-existing transactions and correct mistakes made at the time of the original transaction. Authorised users (with privileges set locally or from head office) can modify vehicle and customer details as well as update product and pricing information (should it not have been available at the time of transaction or changed in the interim).

A reprint facility is provided to print modified or unedited dockets.

Authorised users also have the ability to delete dockets. Deleted dockets persist in the system for an indefinite period (in a recycle bin form) until they are either restored (in the case of an incorrect deletion) or fully purged from the system.

An event log records details of all edits made to transactions and of any deletions performed. A rollback feature allows edited transactions to be returned back to their original state.

## INVOICING

Invoicing is an optional module that can be activated in the UENS weighbridge package.

An onscreen interface displays all the un-invoiced transactions for a selectable period. Filters (eg. customer, date and site prefix) can be used to limit the data to be invoiced.

Transactions can then be individually or globally tagged and automatically invoiced by a single button press. The software can be configured to allow one invoice per customer or multiple invoices per customer depending on their job or order numbers. The flexibility of the tagging and filtering system allows invoices to be generated whenever they are required - for whoever requires them. Terms linked to customers in the database can also be used as an additional means of filtering and limiting available transactions.

## UNINVOICED TRANSACTIONS

1142

Start Date

End Date


Site Prefix   
 Customer


Inward Leads ☐  
 Border Leads ☐

Docket No	Date Out	Customer	Product	Amount
C-000336	01/09/2007	BARMS6	C32	497.64
C-000337	01/09/2007	COD006	C200	411.73
C-000338	01/09/2007	CORH06	C146	1150.10
C-000339	01/09/2007	CORH06	C40W	1763.30
C-000340	01/09/2007	SPE000	C200	3247.47
C-000361	03/09/2007	HAN006	C32	460.05
C-000362	03/09/2007	HAN006	C32	396.50
C-000363	03/09/2007	COD006	C20W	1055.45
C-000364	03/09/2007	GOULB6	C100	3139.68
C-000365	03/09/2007	BARMS6	C32	493.49
C-000366	03/09/2007	HCA006	C200	2978.98
C-000367	04/09/2007	GOULB6	C100	3151.22
C-000368	04/09/2007	MOL006	C32	414.24
C-000369	05/09/2007	BHLS06	C40W	1096.26
C-000370	05/09/2007	BHLS06	C20W	1786.85
C-000371	05/09/2007	GOULB6	C100	3151.22
C-000372	05/09/2007	BEN006	C20W	2972.97
C-000373	05/09/2007	NELL16	C32	393.01
C-000374	05/09/2007	MITT06	C32	365.73
C-000375	05/09/2007	MITT06	C32	365.73

**ALL TRANSACTIONS**

\$ **535745.36**

																																																																																																																			
<b>COWRA QUARTZ</b> public + hand																																																																																																																			
a subsidiary of Cowra Quarries Pty Ltd																																																																																																																			
<b>TAX INVOICE</b>																																																																																																																			
Bill To: <b>BARSHAN PAVED CONCRETE P/L</b> <b>P.O. BOX 19</b> <b>CONCORDIA</b> <b>NSW</b>	PO BOX 9737 QLD 7    T 02 9663 3500 16/11/2014/24/14    F 02 9663 3500 ARN 5435 02 40    E <a href="mailto:enquiries@cowraquartz.com.au">enquiries@cowraquartz.com.au</a>																																																																																																																		
Invoice No: <b>1</b> Date: <b>10/08/2017</b> Page: <b>1</b>																																																																																																																			
<b>TERMS NET 30 DAYS</b>																																																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Date</th> <th style="width: 15%;">Invoice No.</th> <th style="width: 15%;">Order No.</th> <th style="width: 30%;">Product</th> <th style="width: 10%;">Quantity</th> <th style="width: 10%;">Unit Price</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>10/08/2017</td> <td>G00024</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.03</td> <td>14.30</td> <td>428.40</td> </tr> <tr> <td>20/08/2017</td> <td>G00036</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.03</td> <td>14.30</td> <td>428.40</td> </tr> <tr> <td>4/08/2017</td> <td>G00031</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>240.00</td> </tr> <tr> <td>4/08/2017</td> <td>G00032</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>240.12</td> </tr> <tr> <td>4/08/2017</td> <td>G00033</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>239.60</td> </tr> <tr> <td>4/08/2017</td> <td>G00034</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>14.30</td> <td>428.32</td> </tr> <tr> <td>7/08/2017</td> <td>G00040</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>243.52</td> </tr> <tr> <td>10/08/2017</td> <td>G00046</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>239.00</td> </tr> <tr> <td>10/08/2017</td> <td>G00048</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.01</td> <td>14.30</td> <td>128.56</td> </tr> <tr> <td>10/08/2017</td> <td>G00049</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>232.12</td> </tr> <tr> <td>10/08/2017</td> <td>G00041</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>36.14</td> </tr> <tr> <td>10/08/2017</td> <td>G00043</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>27.76</td> </tr> <tr> <td>10/08/2017</td> <td>G00044</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>12.00</td> <td>14.76</td> </tr> <tr> <td>10/08/2017</td> <td>G00047</td> <td></td> <td>20M CONCRETE/LAND</td> <td>0.02</td> <td>14.30</td> <td>212.18</td> </tr> </tbody> </table>	Date	Invoice No.	Order No.	Product	Quantity	Unit Price	Total	10/08/2017	G00024		20M CONCRETE/LAND	0.03	14.30	428.40	20/08/2017	G00036		20M CONCRETE/LAND	0.03	14.30	428.40	4/08/2017	G00031		20M CONCRETE/LAND	0.02	12.00	240.00	4/08/2017	G00032		20M CONCRETE/LAND	0.02	12.00	240.12	4/08/2017	G00033		20M CONCRETE/LAND	0.02	12.00	239.60	4/08/2017	G00034		20M CONCRETE/LAND	0.02	14.30	428.32	7/08/2017	G00040		20M CONCRETE/LAND	0.02	12.00	243.52	10/08/2017	G00046		20M CONCRETE/LAND	0.02	12.00	239.00	10/08/2017	G00048		20M CONCRETE/LAND	0.01	14.30	128.56	10/08/2017	G00049		20M CONCRETE/LAND	0.02	12.00	232.12	10/08/2017	G00041		20M CONCRETE/LAND	0.02	12.00	36.14	10/08/2017	G00043		20M CONCRETE/LAND	0.02	12.00	27.76	10/08/2017	G00044		20M CONCRETE/LAND	0.02	12.00	14.76	10/08/2017	G00047		20M CONCRETE/LAND	0.02	14.30	212.18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Total</td> <td style="width: 10%; text-align: center;"><b>236</b></td> <td style="width: 30%;"></td> </tr> <tr> <td>GST</td> <td></td> <td style="text-align: right;"><b>46.87</b></td> </tr> <tr> <td>Estate Duty</td> <td></td> <td style="text-align: right;"><b>\$388.33</b></td> </tr> </table>	Total	<b>236</b>		GST		<b>46.87</b>	Estate Duty		<b>\$388.33</b>
Date	Invoice No.	Order No.	Product	Quantity	Unit Price	Total																																																																																																													
10/08/2017	G00024		20M CONCRETE/LAND	0.03	14.30	428.40																																																																																																													
20/08/2017	G00036		20M CONCRETE/LAND	0.03	14.30	428.40																																																																																																													
4/08/2017	G00031		20M CONCRETE/LAND	0.02	12.00	240.00																																																																																																													
4/08/2017	G00032		20M CONCRETE/LAND	0.02	12.00	240.12																																																																																																													
4/08/2017	G00033		20M CONCRETE/LAND	0.02	12.00	239.60																																																																																																													
4/08/2017	G00034		20M CONCRETE/LAND	0.02	14.30	428.32																																																																																																													
7/08/2017	G00040		20M CONCRETE/LAND	0.02	12.00	243.52																																																																																																													
10/08/2017	G00046		20M CONCRETE/LAND	0.02	12.00	239.00																																																																																																													
10/08/2017	G00048		20M CONCRETE/LAND	0.01	14.30	128.56																																																																																																													
10/08/2017	G00049		20M CONCRETE/LAND	0.02	12.00	232.12																																																																																																													
10/08/2017	G00041		20M CONCRETE/LAND	0.02	12.00	36.14																																																																																																													
10/08/2017	G00043		20M CONCRETE/LAND	0.02	12.00	27.76																																																																																																													
10/08/2017	G00044		20M CONCRETE/LAND	0.02	12.00	14.76																																																																																																													
10/08/2017	G00047		20M CONCRETE/LAND	0.02	14.30	212.18																																																																																																													
Total	<b>236</b>																																																																																																																		
GST		<b>46.87</b>																																																																																																																	
Estate Duty		<b>\$388.33</b>																																																																																																																	



IT is a condition of sale that the goods are to be delivered to the above named site and delivered with all accessories and materials required for the above named work.

A signed copy of this invoice will be sent to the above named site and a copy will be sent to the above named site.

A software configuration item can be enabled to lock out transactions already invoiced and prevent them from further editing (or alternatively the software can be set up to allow changes made to dockets to seamlessly flow through onto invoices that can then be reprinted).

Invoices generated by the package can be printed onto pre-printed stationary in a laser printed or dot-matrix format; or alternatively the software can be programmed to print a pre-generated invoice format (similar to the one displayed here) onto plain white paper.

The generated invoices can then also be replicated into an accounting package (such as MYOB, Quickbooks, Sage, Attaché, Pronto and SAP) for the purposes of financial reporting. The default implementation utilises the importing facilities of these packages but a direct-to-database interface can be implemented if supported by the third-party package.

## WEIGHING

The weighbridge front-end is available in two strands – attended and unattended.

The screenshot shows a complex software interface for a weighing system. It features multiple panes and fields for data entry. Key sections include: 'Customer Details' with fields for Registration No, Driver Name, Customer Code, Customer Name, Customer Order No, and Customer Address; 'Job Details' with Job No and Job Comments; 'Product Details' with Product Code and Product Name; and a 'Weights' section with a table for recording weights. The table has columns for 'Ordered', 'First', 'Second', 'Progress', 'Net', and 'Total'. At the bottom, there are buttons for 'Print', 'Save', 'OK', and 'Cancel'. The status bar at the bottom indicates '14 Sunday 2007 12:00:00 PM' and 'Current User: P1560N'.

The attended version is designed for operation by a user through standard means of input (keyboard and mouse). All data is input either via selection from an auto-complete pull down menu (the software auto-searching and completing a match in the data as keystrokes are input) or via text data-capture fields. The weight data can be captured directly from a weighbridge indicator or scale (where a serial option is available) and displayed on screen together with the costing and pricing information calculated directly from the captured weights. Multiple transactions can be commenced or in progress at the one time and completed in or out of sequence.

The screenshot shows a simplified, touch-screen friendly interface for a weighing system. It features a large red input field for 'PLEASE ENTER YOUR TRUCK ID (REGISTRATION OR TRUCK NO)' with the text 'ABC123' entered. Below this is a 'DELIVERIES' button. The interface includes a virtual keyboard with letters, numbers, and a 'SPACE' key. At the top, it says 'WELCOME TO UENS DEMONSTRATION' and 'UNITED ENGINEERING & SOFTWARE'. The status bar at the bottom shows '14 Oct 2007 10:52 PM'.

The unattended version offers an abridged version of the data capturing facilities of the attended version and is intended to be used entirely by the truck drivers themselves. The simple-to-use interface has been designed around a touch-screen and/or card reader. The screen interface is tailored to meet the exact data capture requirements of the application - transactions are either completed by a simple swipe of the pre-programmed card or via data input on the virtual keyboard displayed on the touch screen (or even a combination of the two if required). Easily accessible virtual push buttons make navigating through the screens uncomplicated and clear and unambiguous warning messages ensure operator errors are minimised.

Both the attended and unattended systems are capable of three different types of weighing: double weighing (where the truck's gross and tare weights are captured via the weighbridge indicator and used to calculate the net product through two separate weighings), stored tare (where a single weighing via the bridge is used together with a stored tare weight from the database to calculate the net product) and no weighing (where a single volume, metered or manually entered weight is used to calculate net product rather than a bridge weight).

Split weighing is available in both systems (where the length of the vehicle exceeds the length of the bridge). The attended version also allows manual weights to be entered and the software has the ability to capture gross and tare weights from independent sources (where multiple weighbridges exist).

Dockets are automatically printed at the completion of a transaction onto either pre-printed stationary (including dot matrix multiple-copy carbonated paper or pre-printed laser printer stationary), thermal paper, laser printer or any combination therein.