



ACCOUNTING POS PAYROLL CRM HOSPITALITY ERP MOBILE ECOMMERCE BI

VOLUMETRICS

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INTRODUCTION

The Volumetrics module has been designed to provide for modifications to Volumetric input and calculations to support perimeter calculations with a rounding factor. All the associated dimension fields can be completed as predefined values within Stock Maintenance and all dimension fields support decimal places.

NOTE: Remember that the retail and selling prices will be calculated as: Rx per Volumetric calculation.

An additional system setting has been introduced to enforce the automatic pop-up action of the Volumetric input screen during processing in the processing modules. This screen will pop-up the moment the cursor reaches the quantity field for the first time. This setting is however not compulsory, in other words the Volumetrics will still work if it has not been set up.

The following Volumetrics have been defined:

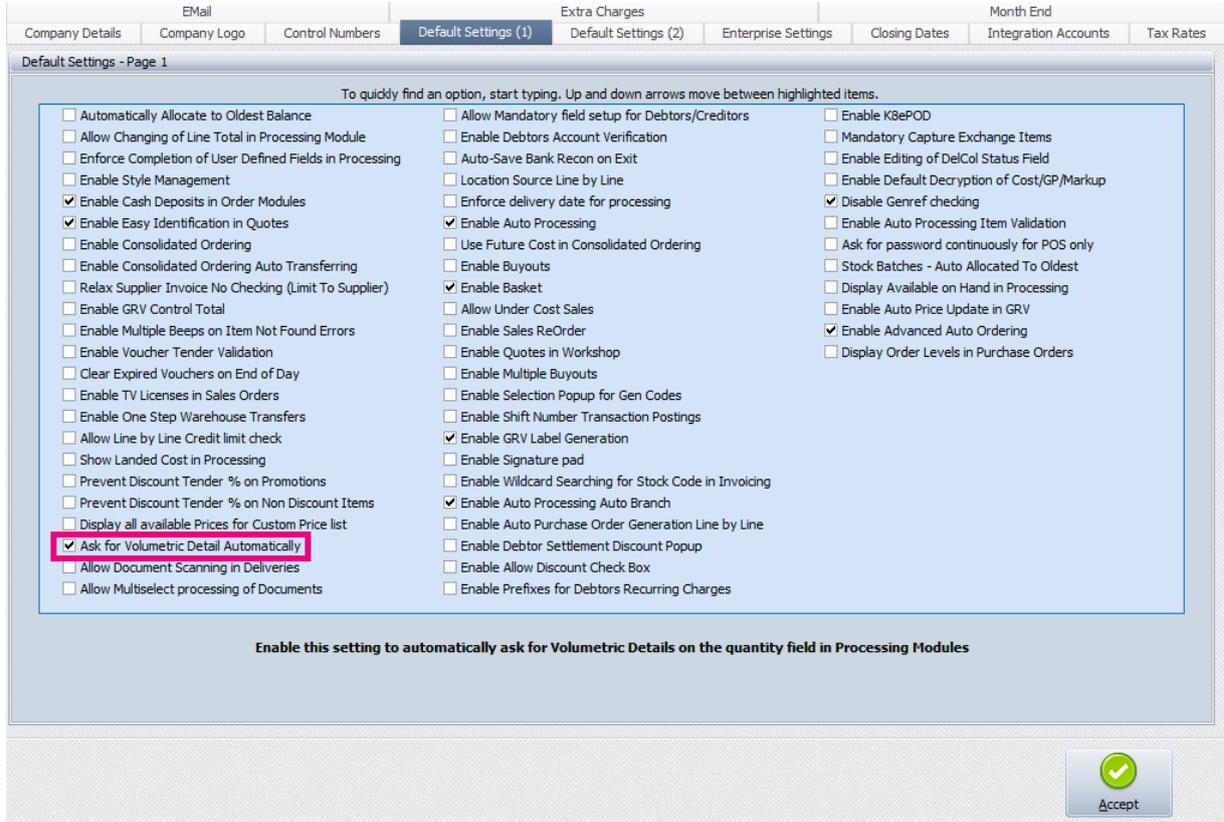
- CUBES METERS – length x width x height in meter
- CUBES MILLIMETERS – length x width x height in millimetre
- GRAMS – weight in grams
- KILOGRAMS – weight in Kilograms
- LINEAR – measure the perimeter of a rectangular shape, calculated as:
 $(2 \times \text{length}) + (2 \times \text{width}) = 2 \times (\text{length} + \text{width})$
- LINEAR MILLIMETRES – perimeter in millimetres
- LINEAR SQUARE METERS – perimeter in meters
- LINEAR SQUARE MILLIMETERS – perimeter in millimetres
- LITERS – volume in litres
- METERS – length in meters
- MILLILITERS – volume in millilitres
- MILLIMETERS – length in millimetres
- SQUARE METERS – length x width in meters
- SQUARE MILLIMETERS – length x width in millimetres
- UNITS – no Volumetric specifications required



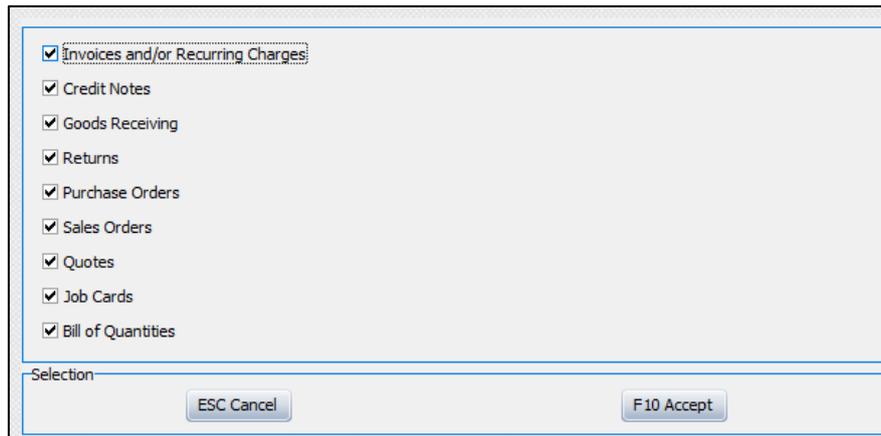
SETUP

The automatic pop-up of the Volumetric capture screen can be enabled in the Default Settings.

From the main menu → Utilities → Setup → Company Details → Default Settings (1), tick the option “Ask for Volumetric Detail Automatically”. The Volumetrics capture screen will pop-up automatically, if this option is enabled. If it is disabled, the user will have to click on the drop-down arrow next to the quantity field, for the Volumetrics capture screen to pop-up.



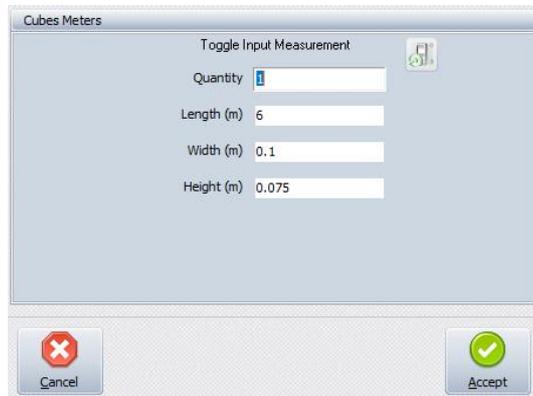
The user must select in which of the processing modules the Volumetrics pop-up screen must appear:



NOTE: Volumetrics will not be enabled in Point of Sale (Cash Sales), it will only be available for transactions done through the processing module.

VOLUMETRICS ENABLED

If the Volumetrics pop-up was enabled and the item was for example set to measure in “Cubes Meters”, the following screen will appear once the user gets to the quantity field during processing the selected processing transactions:



NOTE: The Volumetrics setting is **not** a **centralised** or **synchronised** setting. In other words, the user will have to set up the “Ask for Volumetrics Detail Automatically” in each of the companies where it will be used.

NOTE: This setting will be implemented as a global company setting. In other words, it will apply to all the stock items on the stock list for the selected company.

STOCK MAINTENANCE

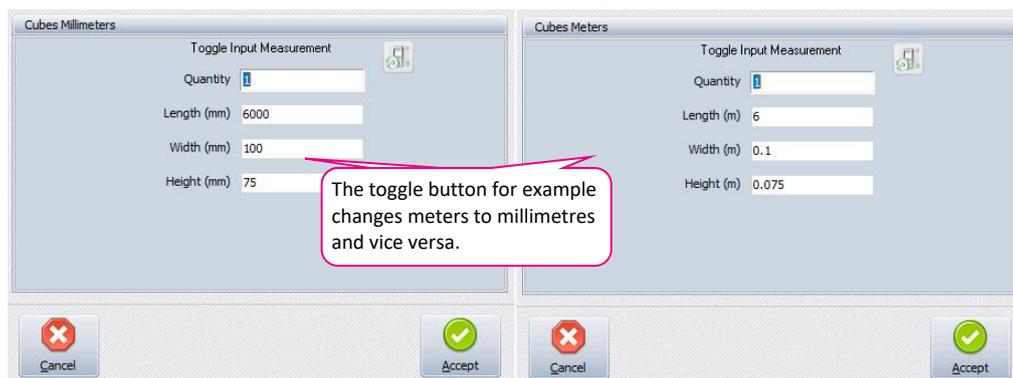
The user can enter predefined Volumetrics values for each of the Volumetric settings per stock item.

NOTE: All existing stock where Volumetrics have been specified, will have to be updated manually. No changes will be made to existing data.

For each of the following Volumetric types, the system will allow the user to capture a default measurement for capturing during processing modules for example invoicing:

- Squares (meters/millimetres) – based on the assumption that default holding measurement for squares is meters.
- Linear (meters/millimetres) – based on the assumption that default holding measurement for linear is meters.
- Grams, Kilograms and Tons.
- Meters and Millimetres
- Linear Squares (meters and millimetres)

The Volumetric capture screen will provide the user with a conversion (toggle) button between holding and input measurements. This serves for information purposes and ease of use for input.



From the main menu → Stock → Maintenance → Add (to add new item) or Edit (to change an existing item).

The screenshot shows the 'Stock Details' maintenance form for item VOL001. The form is divided into several sections:

- Item Information:** Item Code (VOL001), Description (Volumetric Item Cube/M), Alternative Description, Barcode (VOL001), General Code, Status, Stock Type, Item Category (Stock Item).
- Item Specifications:** Generic Type, Brand, Model, Technical Specifications, Supplier Hierarchy, Supplier Department, Tariff Code, Material, Assembly Type, Import Type, Colour Detailed, Inco Terms, Guarantee Terms, Buyer, Colour, Size, Default Line Rep, Line Colour Type.
- Item Settings:** Under Batch Control (Tick for Yes), **Disallow Decimals (Tick to Disallow)**, Section 7 Exempt (Tick for Yes), ABC Classification (Not Defined), Override GRV Label Qty (Override 0), Exclude from Extra Charge Cost Allocation on GRV (Tick for Yes).
- Item Categorisation:** Major Department (012), Minor Department (0019), Categories, Ranges, Cycle, Vat Rate (1).
- Item Storage:** DC Item Code, Storage / BIN Location, Pack Size (0.000000), Pack Description, Life Time (Days) (0), **Unit of Measure (Holding) (Cubes Meters) Rounding (0)**, **Unit of Measure (Input) (Cubes Millimeters)**, Length (6), Width (0.1), Height (0.075).
- Item Price Settings:** Allow Selling under cost (Tick for Yes), Allow Selling Into Negative (Tick for Yes), Allow Discount (Click for Options).
- Item Status Settings:** Item on Hold (Click for Options), Set Dormant (Days) (0), Store Serial Numbers (Tick for Yes), Scale Item (Tick for Yes), Report to Item, Item Conversion Rate (0.000000).

At the bottom of the form are three buttons: 'Show Hints', 'Maintenance', and 'Accept'.

NOTE: The system work on the assumption that the default holding measurements for squares and linear is metres.

IMPORTANT: Remember to remove the tick to Disallow Decimals when working with Volumetrics.

SELLING PRICES FOR VOLUMETRICS

Prices Type	Exclusive	Inclusive	Markup %	G.P. %	%	Markup (Latest Cost)	G.P % (Latest Cost)
Retail Price	130.4348	150.00	0.00	100.00		0.00	100.00
Wholesale Price	0.0000	0.00	0.00	0.00		0.00	0.00
Alternative Price 1	0.0000	0.00					
Alternative Price 2	0.0000	0.00					
Alternative Price 3	0.0000	0.00					
Alternative Price 4	0.0000	0.00					
Alternative Price 5	0.0000	0.00	0.00	0.00		0.00	0.00
Alternative Price 6	0.0000	0.00	0.00	0.00		0.00	0.00
Alternative Price 7	0.0000	0.00	0.00	0.00		0.00	0.00
Alternative Price 8	0.0000	0.00	0.00	0.00		0.00	0.00

Recommended Retail Based On :

*** Recommended G.P % Not Assigned**

Cost Level 1	0.00	Average Cost	0.00
Cost Level 2	0.00	Latest Cost	0.00
Cost Level 3	0.00	Base Cost	0.00
Cost Level 4	0.00	Future Cost	0.00
Cost Level 5	0.00	Previous Cost	0.00
		Manager Cost	0.00

Pricing

Recommended GP%: 0.00

Price Variant Group: [Dropdown]

Unit Cost: 0.0000

Future Cost: 0.00

Cost as % of sellprice: 0.0000

Use Fixed Cost: Tick for Yes

UNIT OF MEASURE

NOTE: The user must take great care when using millimetre or millilitre units to measure stock items in.

Select the appropriate Unit of Measure from the dropdown arrow at the end of the field.

ROUNDING

The user has the option to enter a predefined rounding factor for Volumetric measurements to be used during calculations.

Rounding will be supported as follows:

- UNITS – Not applicable
- SQUARES (length x width) – round both length and width to default measurement
- CUBES (length x width x height) – round length, width and height to default measurement
- LINEAR (lengths x parts) – round length to default measurement
- GRAMS (weight in grams) – round to nearest x grams
- KILOGRAMS (weight in kilograms) – round to nearest x kilograms
- MILLIMETERS (length in millimetres) – round to nearest x millimetres
- METERS (length in metres) – round to nearest x meters
- MILLILITERS (volume in millilitres) – round to nearest x millilitres
- LITERS (volume in litres) – round to nearest x litres

- LINEAR SQUARES METERS – round length and width to nearest x meters
- LINEAR SQUARES MILLIMETERS – round length and width to nearest x millimetres

NOTE: A single rounding factor will be used for both the length and width attributes. Each attribute will not have its own rounding attribute.

LENGTH, WIDTH, HEIGHT, VOLUME & WEIGHT

Predefined default measurements can be captured for each of the above-mentioned fields.

DISALLOW DECIMALS

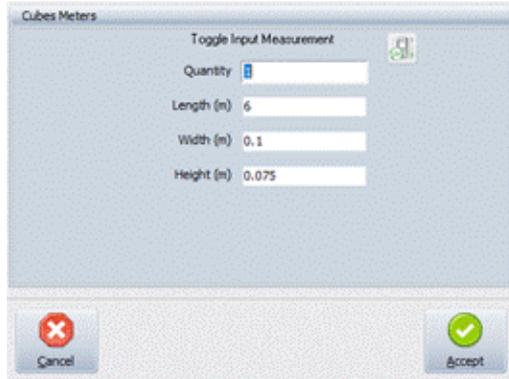
Remove the tick from the “Disallow Decimals” field, when the units to measure are in meters, litres or kilograms.

The screenshot shows the 'Stock Details' window with the 'Item Settings' tab selected. The 'Disallow Decimals' checkbox is highlighted with a red box and is currently checked. The interface includes sections for Item Information, Item Specifications, Item Settings, Item Price Settings, and Item Status Settings.

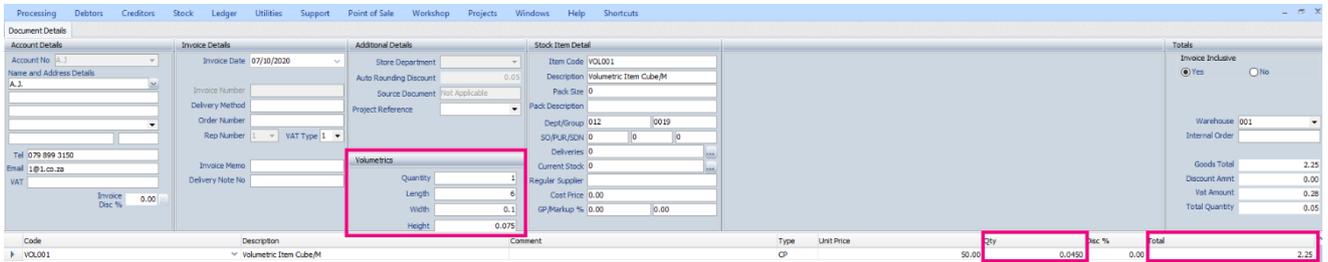
Section	Field	Value	
Item Information	Item Code	VOL001	
	Description	Volumetric Item Cube/M	
	Alternative Description		
	Barcode	VOL001	
	General Code		
	Status		
	Stock Type		
	Item Category	Stock Item	
	Item Categorisation		
	Major Department	012	Other
Minor Department	0019	Other	
Categories			
Ranges			
Cycle			
Vat Rate	1		
Item Storage			
DC Item Code			
Storage / BIN Location			
Pack Size	0.000000		
Pack Description			
Life Time (Days)	0		
Unit of Measure(Holding)	Cubes Meters	Rounding 0	
Unit of Measure(Input)	Cubes Millimeters		
Length	6	Width 0.1	
		Height 0.075	
Item Specifications			
Generic Type			
Brand			
Model			
Technical Specifications			
Supplier Hierarchy			
Supplier Department			
Tariff Code			
Material			
Assembly Type			
Import Type			
Colour Detailed			
Inco Terms			
Guarantee Terms			
Buyer			
Colour	0	Not Defined	
Size	0	Not Defined	
Default Line Rep			
Line Colour Type			
Item Settings			
Under Batch Control	<input type="checkbox"/> Tick for Yes		
Disallow Decimals	<input checked="" type="checkbox"/> Tick to Disallow		
Section 7 Exempt	<input type="checkbox"/> Tick for Yes		
ABC Classification	Not Defined		
Override GRV Label Qty	<input type="checkbox"/> Override 0		
Exclude from Extra Charge Cost Allocation on GRV	<input type="checkbox"/> Tick for Yes		
Item Price Settings			
Allow Selling under cost	<input type="checkbox"/> Tick for Yes		
Allow Selling Into Negative	<input type="checkbox"/> Tick for Yes		
Allow Discount	<input type="checkbox"/> Click for Options		
Item Status Settings			
Item on Hold	<input type="checkbox"/> Click for Options		
Set Dormant (Days)	0		
Store Serial Numbers	<input type="checkbox"/> Tick for Yes		
Scale Item	<input type="checkbox"/> Tick for Yes		
Report to Item			

PROCESSING

If the “Ask for Volumetric Detail Automatically” option has been enabled in the Company’s Default settings (1), the Volumetrics screen will pop-up automatically once the cursor reaches the quantity field for any Volumetrics item.



NOTE: If there were any default measurements captured for the item (in Stock Maintenance), these values will automatically be populated in the Volumetric Details. These values can however be override with different values.



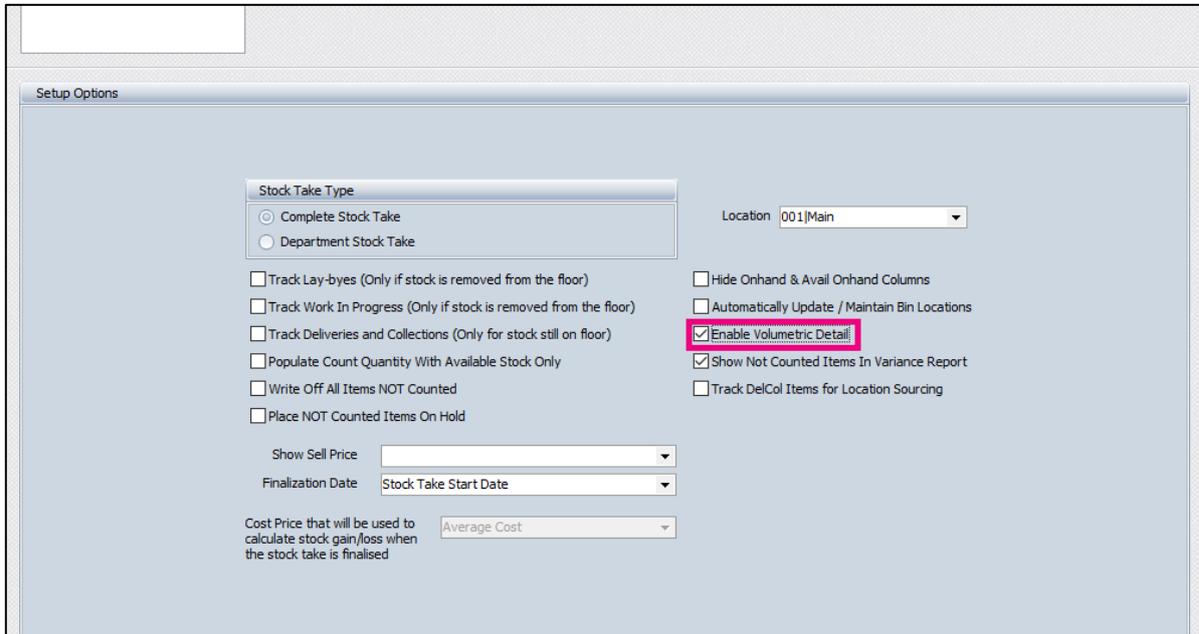
The Qty and Total (line Total) fields will display the calculated values for the item. Each Volumetric item’s information will be displayed in the little block above. Click on each item to see the measurements for that specific item.

If the “Ask for Volumetric Detail Automatically” option has not been enabled in the Company’s Default settings (1) or to make amendments to already confirmed measurement data, the dropdown arrow in the quantity field must be used to enter measurement data.

STOCK TAKE

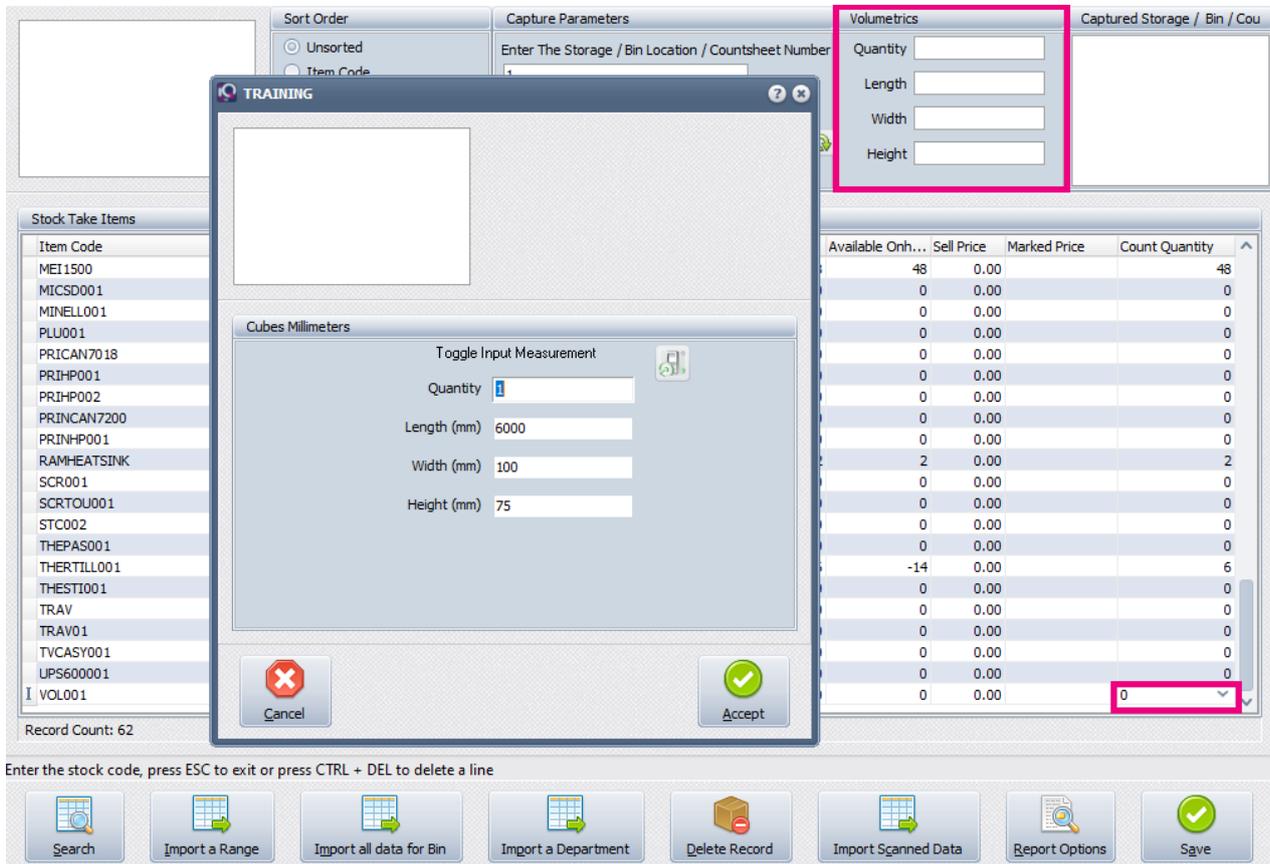
The user has the option to **Enable** Volumetric Detail, when a new Stock Take is setup. This option allows the user to Enable Volumetric Detail only on the Stock Take bin locations or departments where they are required.

STOCK TAKE SETUP



Tick the box next to “Enable Volumetric Detail” and click on OK to finalise the Setup of the Stock Take.

All stock will be counted as normal and captured as normal, but as soon as the user reaches the Count Quantity field for the Volumetrics item, the Volmetrics capturing screen will pop-up to enable capturing of specific measurements. The system will then use these measurements to calculate the quantity as displayed in the Stock count.



After capturing the stock quantities, the user click on the volumetrics items and the measurements will be displayed in the top right half of the screen, as seen above.

To see the measurements for the next volumetrics item, move the cursor to the specific item and the captured measurements for that item will be displayed.

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