



This module provides support for sales order configuration during the sales order entry process when the BOM Module is not present. When the BOM Module is present, this module is not required as the configurations are automatically integrated with the use of modular and variable bills.

Configuration allows the features and options of a product to be chosen during the order entry process.

Configuring a Product

ALERE supports sales order configuration in a unique way by making use of the “Modular” choices and “Variable” quantities that make up a product.

Engineering uses BOMs or bills of material, to establish a formal list of the raw materials and components that are used to manufacture a product. This means there has to be a unique BOM for every permutation of a product.

The screenshot displays the 'Item Configuration' window for item MBBA01, Revision 001. The window is divided into 'Header' and 'Config' sections. The 'Header' section contains fields for Item (MBBA01), Rev Level (001), Description (Bike Assy (to be configured)), and Type (Component). The 'Config' section includes a 'SOC Format' dropdown set to 'SOC Default' and a table for pricing and notes.

Cost Method	Amount/%	List Price Method	Amount/%	Notes
Parts Markup %	30.000	Cost Markup	30.000	No

Below the pricing table is a BOM tree for 'Item MBBA01 Rev 001' with the following components:

- MBCH01 [1.0000 EACH] Chain Assy
- MBLU01 [0.0010 LB] Lubricant, Moly Grease
- MBPD01 [2.0000 EACH] Pedal Assembly
- MBRE01 [1.0000 EACH] How Many Reflectors?- Red Stick On
- MBSP01 [1.0000 EACH] Seat Post
- MBTT01 [2.0000 EACH] Tire Tube
- MBWH01 [2.0000 EACH] Wheel Assembly
- MBXH01 [1.0000 EACH] Handlebar Phantom Assy
- MBYB01 [1.0000 EACH] What Brake Assy ?
- MBYD01 [1.0000 EACH] What Derailleur (Shifter) ?
- MBYF01 [1.0000 EACH] Men's or Woman's Frame ?

The bottom of the window features a toolbar with icons for Exit, Save F9, Del, Bwd, Get F8, Fwd, and Add F7.

In addition to allowing choices to be made, variable information can be entered using a pop up numeric keypad. A practical example of the use for variable information is specifying how many reflectors to put on each bicycle wheel or the number of inches of steel tubing required.

Similar configurations from previous or current sales orders can be located, copied into an order and edited. This saves a significant amount of time on orders with many features and options.

Predefining Configurations

Product configurations that are built for stock or are a commonly sold item can be predefined and assigned finished good part numbers.

This has a number of advantages:

- Entering a finished goods part number allows the sales order configuration process to be skipped because it is already pre-defined.
- The process of configuring a complex product can be simplified by modifying a similar finished goods part number.
- A “default” configuration template can be used to configure the remaining items.
- Standard pricing can be established for finished good part numbers.
- The finished goods parts can be stocked and tracked in inventory.

Using the Sales Order Configurator

Entering an item number on an order that is used for a BOM with modular or variable components automatically displays the SOC screen. On the screen is a list of choices to be made and quantities to be entered.

Sales Order Configurator - Sales Order 70062, Line 2

Configuration		Notes	
Item	Description		
MBBA01	Bike Assy (to be configured)		
Cost (USD)	Price (USD)	Method	Format
0.00000	30.00000	SOC	None

Item	Choice	Description
MBRE01	2	How Many Reflectors?- Red Stick On
MBYB01	MBBR02	Brake Assy-Regular
MBYD01		What Derailleur (Shifter) ?
MBYF01	MBYFM1	What Color Men's Frame ?
.MBYFM1	MBFR19	Men's Frame White
MBYL01	MBZLT1	Include NO Light
MBYS01	MBSA01	Saddle ATB Gel (All Terrain Bike)
MBYT01		What Type of Tires ?

Exit Save F9 Load Restore Blank Continue

Selecting a line with choices displays a list of choices that can be selected.

Should a selection have a dependent choice, then that choice is added to the list and must be made.

When the item is fully configured and saved, the configuration is compared against any pre-defined configurations. If there is a match the part number of the match is automatically substituted for the one entered on the order.

The configurator will recalculate the price and cost based on the features and options chosen each time it is saved except in the case of a matching finished good part number. In that instance, the price and cost of the item is taken from inventory and entered on the order.

When the BOM Module is present a wide variety of costing and pricing rules can be established and used when a new configuration is entered.

Kitting and Configuration

The Configuration Module has built in support for kitting, making it native to the accounting system.

Kitting in ALERE far exceeds what is commonly thought of as standard kitting capabilities. Just as an order can be configured with features and options, the same applies to a kit. This even includes building a kit on-the-fly by choosing the components from a list and entering the quantity required for each.

Orders for kits that do not require features and options to be selected are taken without ever seeing the configuration screen.

When the order for a kit is saved, components are allocated in inventory. At the same time, the kit is placed "on order" in inventory.

The kits and their components are included in the material requirements planning (MRP) process when that capability is present.

Orders for kits generate picking tickets for either the complete kits if they are in stock, or for the components that make up the kits. Kits and their components are automatically issued from inventory when the order is shipped. Over shipping missing kit components is optional.

Data Mining and Reports

The Configuration Module reports support data mining.

Information on how many times a particular option was chosen, by whom and for what product is readily available.

Reports provide information on the status of pending or unshipped orders.

The demand for certain features or options which have been placed on orders can be included on the reports.

The ALERE Configuration Module can increase both the speed and accuracy of your sales order desk. Contact us for a demonstration.



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