

# Make faster and better decisions with PULSE Dashboard & Analytics Software

### **Inventory Optimization Module - NEW!**

"Inventory optimization is a method for managing stock levels to meet customer demand while reducing costs. It involves using a forecast, replenishing inventory at the right time, and holding the right amount of safety stock."

**PULSE Dashboard & Analytics** is revolutionary software that adds value to your Macola® investment in a new way —with a real-time display of key metrics and detailed analysis with the click of a mouse. Installation and training in one afternoon. Everything exports to Excel/printer/PDF/email. Reports are all customizable by non-technical users.

#### What is the **new** PULSE Inventory Optimization module?

- Several popular custom analysis reports that were previously sold separately are now bundled at one price.
- A tab for copying your customized reports.

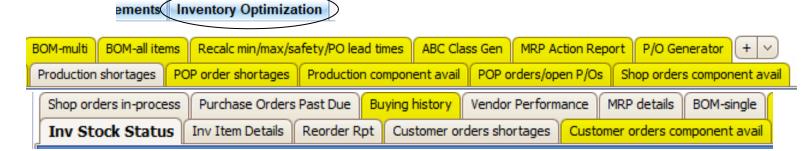
#### What is included with the new PULSE Inventory Optimization module?

See sample reports on the following pages.

- 1. Multi-level Bill of Material
- 2. ABC inventory class generator
- 3. Recalculate Item Min, max, Safety Stock level, and Purchasing Lead Times
- 4. MRP Action report (Crystal)
- 5. Buying History by vendor and by item (2 reports)
- 6. Purchase Order Generator
- 7. Open Customer Order Component Shortages
- 8. Production Order Component Shortages (separate for POP and Shop Floor)
- 9. Production Order Shortages showing open purchase orders
- 10. Shop Order In-Process Variance Analysis (customized standard report)
- 11. Shop Order On-Time Performance Analysis (customized standard report)

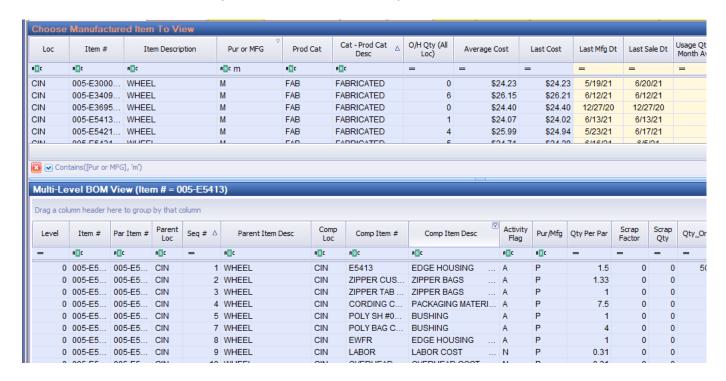
You will need to be licensed for the PULSE Designer module.

### This is a mock-up of how your "Inventory Optimization" module might look like



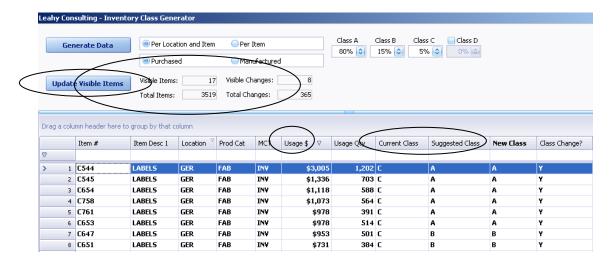
#### 1. Multi-Level Bill of Material

This Advanced Screen Designer report links together multiple reports. On the top panel, the report lists all manufactured items. You click on an item number to display its multilevel bill of material components on the lower panel.



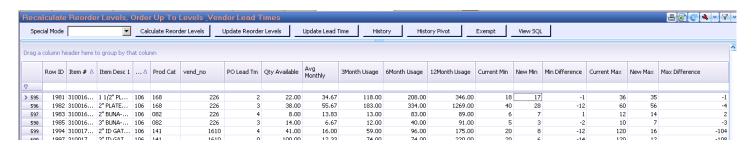
#### 2. ABC Inventory Class Generator

Assigning ABC codes is a way of managing your inventory based on dollar usage over the prior 12 months. It is very time-consuming to assign accurate ABC classes manually. By focusing on your "A" items, you will better manage 80% of your dollar usage for the year. The PULSE ABC Class Generator software quickly and accurately calculates and sets the proper class for each purchased or manufactured item. ABC classes should be calculated separately for purchased items versus manufactured items.



## 3. Recalculate Reorder Levels, Order Up To Levels, Vendor Lead Times & Safety Stock levels

Avoid ordering too early/too late/too much/too little by having accurate reorder levels (min), order up to levels (max), safety stock levels & vendor lead times. We customize the software to follow your unique inventory management rules for calculating these metrics for each purchased & manufactured item. Automate one of the most tedious and inaccurate areas of Macola®. The program recommends new levels, but you can override them.



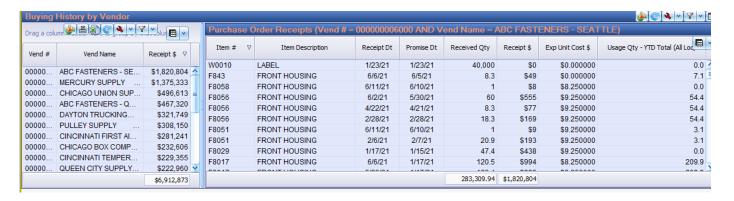
#### 4. MRP Action report with pegging

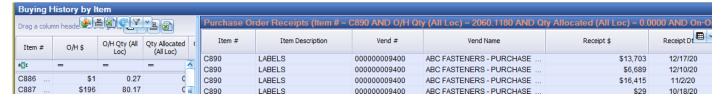
Our Crystal-based custom MRP Action Reports display your Macola MRP data in a concise and easy-to-read format. The 'Detail' report is used when you are not yet confident that your Macola MRP settings are correct or are unsure if the Macola MRP regeneration program is calculating correctly to meet your needs. Once you are comfortable with your MRP regeneration results, you will use the 'Summary' report daily.

Buyer/Plnr P/M			Order Mult	Months	O/H Qty Allo	c. Lot Size	Safety	Stk Order	Pol Cd.	Plan Per	<u>iod</u> <u>Plan L/T</u>	R eord er	Lvl Dock	to Stk 3-	mon Avg Use
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BPADS		$\mathbf{Br}$	ake Pads. Ex												
	Loc		Ord er T	<u>vp e</u>	Order# UL			5/15/02		<u>5/29/02</u>	6/5/02	6/12/02	6/19/02	6/26/02	> 07/03/02
						Prior invent		700	700	700	(17,464)	(17,464)	(17,464)	(17,464)	(17,464)
	MA	MR		Order	55	1	2/20/01	(30)							
Shimani Corporation	MA	PO	P/O Receipt		59-00		5/14/02	30							
	MA	MR	MRP Planned	Order	18		5/24/02			(18,164)					
	CA	MR	MRP Planned	Order	47		5/14/10								(2)
						Net invent	ory:	700	700	(17,464)	(17,464)	(17,464)	(17,464)	(17,464)	(17,466)
Buyer/Plnr P/M			Order Mult M	fonths (	O/H Qty Alloc	. Lot Size	Safety S	tk Order	Pol Cd.	Plan Peri	od Plan L/T	R eord er	Lvl Dock	to Stk 3-	mon Avg Use
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	_			0								R eord er	Lvl Dock		
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1 P	ND Loc MA	MR CP CP CP MR	Order Typ  MRP Planned C Qty. Needed = 1 Qty. Needed = 2 Qty. Needed = 2	0 1 0e Order 95,823.0 22,113.0 51,597.0 Order	0 Order# UL: P 100 0	O  Item # Due rior invente	40,00 e Date ory: 5/20/12 8/13/12 8/13/12 8/13/12	5/15/02	R <u>5/22/02</u>	15 <u>5/29/02</u>	45 <u>6/5/02</u>	6/12/02	6/19/02	0 <u>6/26/02</u>	0 > 07/03/02 5,156

#### 5. Purchasing Buying History by Vendor & Item

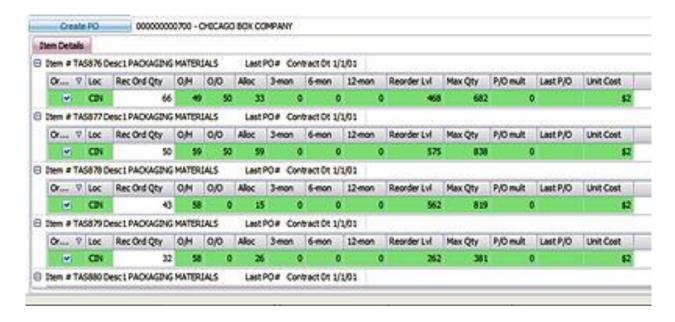
These two Advanced Screen Designer reports give you an instant reading of the buying history of your top vendors or inventory items.





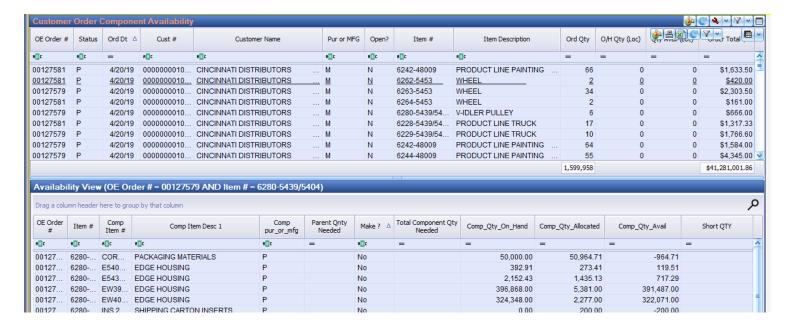
#### 6. Purchase Order Generator

The Purchase Order Generator eliminates manual keying of purchase orders. Your most tedious, labor-intensive, and error-prone area has been eliminated. Use this software to automatically create purchase orders based on your unique supply chain rules. It works using reorder levels, MRP Computer Planned Orders (CP orders), and/or Shop Floor outside operations (ex. heat treating). The software suggests what items to order based on your unique rules and automatically creates the purchase order for you. Use our web-based Vendor Portal software to transmit the order to the vendor or use Event Manager.



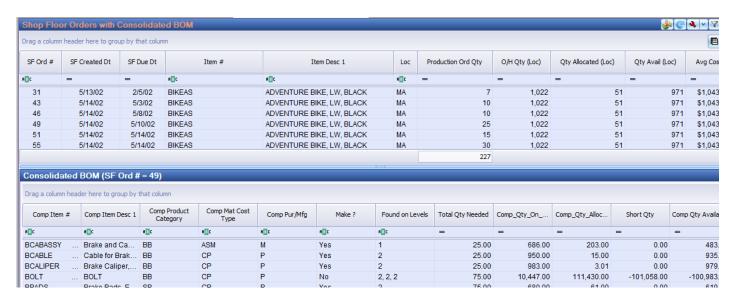
#### 7. Open Customer Order Component Shortages

Some organizations like to check the component availability of a customer order when the order is received. On the upper panel, you click on the customer order number. The lower panel displays the summarized bill of material for that item and which components will prevent you from manufacturing that item.



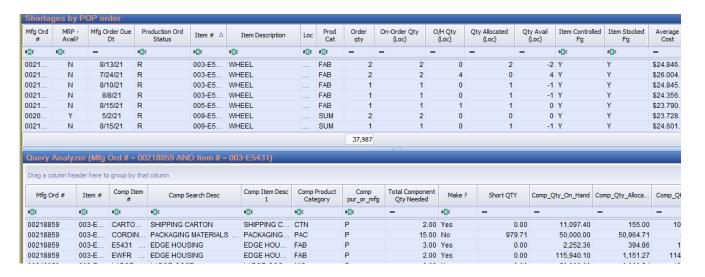
#### 8a. Unreleased Shop Orders Component Shortages

Manufacturers should double-check component availability before releasing the order to the shop floor. The top panel displays all open shop orders (we also offer the same report for POP orders). On the upper panel, you click on a manufacturing order number. The lower panel displays the summarized bill of material for that parent item number and indicates which components will prevent you from manufacturing the item.



#### 8b. Unreleased POP Production Order Component Shortages

The top panel displays all open POP production orders (we also offer the same report for shop orders). When you click on an order number in the top panel, the lower panel displays the summarized bill of material and tells you which components may prevent you from manufacturing the item.



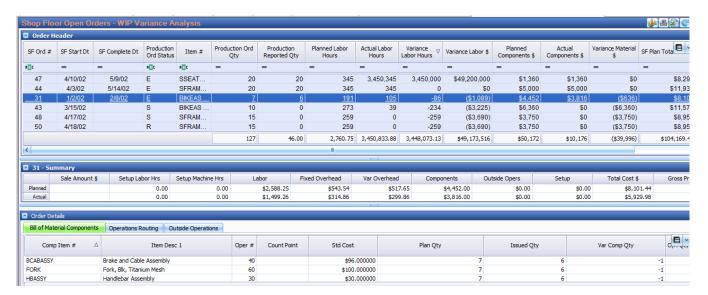
#### 9. POP Production Order Shortages showing open P/O's

Whenever there is a shortage, the question to be answered is, "Do I have this item onorder, at what quantity, and when will it be available? That question applies to both purchased and manufactured items. On the upper panel, this report displays only production orders that contain shortages. By clicking on the item number, the lower panel displays any open purchase orders, their quantity, and the scheduled arrival date.



#### 10. Shop Floor – Analysis of In-Process Orders

This report is a customized version of our standard "Shop Floor Order View" report. It is designed to allow you to analyze labor hours and component variances. The screen also allows you to drill down to view the details on the lower two panels.



#### 11. Shop Floor – On-time Performance Analysis

This report is a customized version of our standard "Shop Floor Order View" report. It is designed to allow you to pinpoint manufactured items that, over time, are consistently not completed on time.



## For more information on any of our PULSE family of Macola® add-on software products, call (513) 723-8091

Leahy Consulting is an independent ERP consulting company with over 30 years of experience supporting and optimizing the Macola® ERP software. We are not associated with ECi® Software.

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