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Make better and more timely 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 can be customized by non-technical users.

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

- Several popular custom analysis reports previously sold separately are now bundled at one price.
- A place for keeping your customized reports.

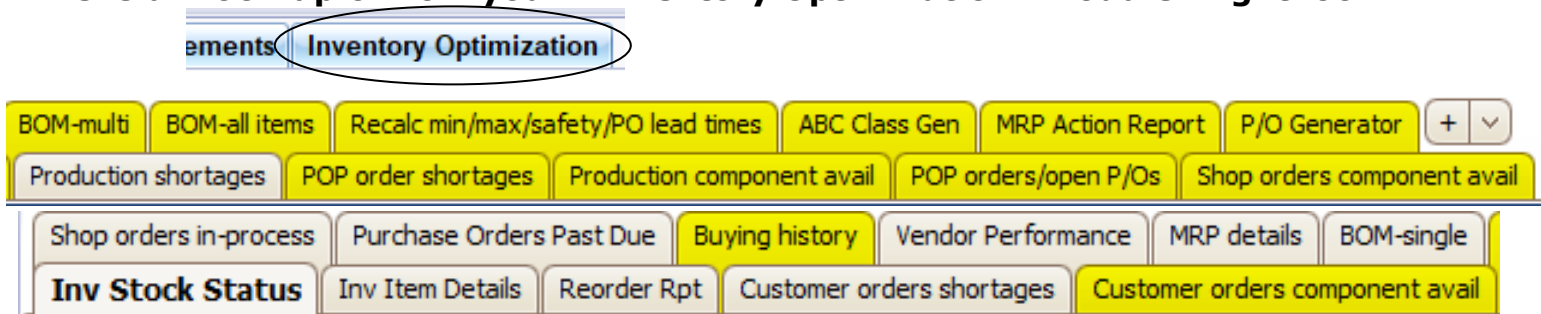
What is included with the new PULSE Inventory Optimization module?

See sample reports on the following pages.

1. Multi-level Bill of Materials
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. Customer Order Component Shortages
8. Production Order Component Shortages (separate for POP and Shop Floor)
9. Production Order Shortages showing pending purchase orders receipts
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



1. Multi-Level Bill of Materials

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 multi-level bill of materials components on the lower panel.

Choose Manufactured Item To View

Loc	Item #	Item Description	Pur or MFG	Prod Cat	Cat - Prod Cat Desc	O/H Qty (All Loc)	Average Cost	Last Cost	Last Mfg Dt	Last Sale Dt	Usage Qt Month Av
CIN	005-E3000...	WHEEL	M	FAB	FABRICATED	0	\$24.23	\$24.23	5/19/21	6/20/21	
CIN	005-E3409...	WHEEL	M	FAB	FABRICATED	6	\$26.15	\$26.21	6/12/21	6/12/21	
CIN	005-E3695...	WHEEL	M	FAB	FABRICATED	0	\$24.40	\$24.40	12/27/20	12/27/20	
CIN	005-E5413...	WHEEL	M	FAB	FABRICATED	1	\$24.07	\$24.02	6/13/21	6/13/21	
CIN	005-E5421...	WHEEL	M	FAB	FABRICATED	4	\$25.99	\$24.94	5/23/21	6/17/21	
CIN	005-E5434...	WHEEL	M	FAB	FABRICATED	5	\$24.71	\$24.20	6/16/21	6/16/21	

☒ Contains([Pur or MFG], 'm')

Multi-Level BOM View (Item # = 005-E5413)

Drag a column header here to group by that column

Level	Item #	Par Item #	Parent Loc	Seq #	Parent Item Desc	Comp Loc	Comp Item #	Comp Item Desc	Activity Flag	Pur/Mfg	Qty Per Par	Scrap Factor	Scrap Qty	Qty_Or
0	005-E5...	005-E5...	CIN	1	WHEEL	CIN	E5413	EDGE HOUSING ...	A	P	1.5	0	0	50
0	005-E5...	005-E5...	CIN	2	WHEEL	CIN	ZIPPER CUS...	ZIPPER BAGS ...	A	P	1.33	0	0	
0	005-E5...	005-E5...	CIN	3	WHEEL	CIN	ZIPPER TAB ...	ZIPPER BAGS ...	A	P	1	0	0	
0	005-E5...	005-E5...	CIN	4	WHEEL	CIN	CORDING C...	PACKAGING MATERI...	A	P	7.5	0	0	
0	005-E5...	005-E5...	CIN	5	WHEEL	CIN	POLY SH #0...	BUSHING	A	P	1	0	0	
0	005-E5...	005-E5...	CIN	7	WHEEL	CIN	POLY BAG C...	BUSHING	A	P	4	0	0	
0	005-E5...	005-E5...	CIN	8	WHEEL	CIN	EWFR	EDGE HOUSING ...	A	P	1	0	0	
0	005-E5...	005-E5...	CIN	9	WHEEL	CIN	LABOR	LABOR COST ...	N	P	0.31	0	0	

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.

Leahy Consulting - Inventory Class Generator

Generate Data

☒ Per Location and Item

☐ Per Item

☒ Purchased

☐ Manufactured

Update Visible Items

Visible Items: Visible Changes:

Total Items: Total Changes:

Class A

80%

Class B

15%

Class C

5%

Class D

0%

Drag a column header here to group by that column

	Item #	Item Desc 1	Location	Prod Cat	MFG	Usage \$	Usage Qty	Current Class	Suggested Class	New Class	Class Change?
>	1 C544	LABELS	GER	FAB	INV	\$3,005	1,202 C	A	A	A	Y
	2 C545	LABELS	GER	FAB	INV	\$1,336	703 C	A	A	A	Y
	3 C654	LABELS	GER	FAB	INV	\$1,118	588 C	A	A	A	Y
	4 C758	LABELS	GER	FAB	INV	\$1,073	564 C	A	A	A	Y
	5 C761	LABELS	GER	FAB	INV	\$978	391 C	A	A	A	Y
	6 C653	LABELS	GER	FAB	INV	\$978	514 C	A	A	A	Y
	7 C647	LABELS	GER	FAB	INV	\$953	501 C	B	B	B	Y
	8 C651	LABELS	GER	FAB	INV	\$731	384 C	B	B	B	Y

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 maintaining accurate reorder levels (minimum), order-up-to levels (maximum), safety stock levels & vendor lead times. The software follows your unique inventory management rules for calculating these metrics for each purchased & manufactured item. This will automate one of the most tedious and inaccurate areas of Macola®. If needed, you can override any recommended new levels.

Recalculate Reorder Levels, Order Up To Levels ,Vendor Lead Times

Special Mode

Calculate Reorder Levels

Update Reorder Levels

Update Lead Time

History

History Pivot

Exempt

View SQL

Drag a column header here to group by that column

	Row ID	Item #	Item Desc	...	Prod Cat	vend_no	PO Lead Tm	Qty Available	Avg Monthly	3Month Usage	6Month Usage	12Month Usage	Current Min	New Min	Min Difference	Current Max	New Max	Max Difference	
>	595	1981	310016...	1 1/2" PL...	106	168	226	2	22.00	34.67	118.00	208.00	346.00	18	17	-1	36	35	-1
	596	1982	310016...	2" PLATE...	106	168	226	3	38.00	55.67	183.00	334.00	1269.00	40	28	-12	60	56	-4
	597	1983	310016...	2" BUNA...	106	082	226	4	8.00	13.83	13.00	83.00	89.00	6	7	1	12	14	2
	598	1985	310016...	3" BUNA...	106	082	226	3	14.00	6.67	12.00	40.00	91.00	5	3	-2	10	7	-3
	599	1994	310017...	2" ID GAT...	106	141	1610	4	41.00	16.00	59.00	96.00	175.00	20	8	-12	120	16	-104
	599	1997	310017...	2" ID GAT...	106	141	1610	9	100.00	13.23	34.00	34.00	270.00	20	6	-14	120	13	-109

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.

[illegible]

5. 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.

Buying History by Vendor			Purchase Order Receipts (Vend # = 000000006000 AND Vend Name = ABC FASTENERS - SEATTLE)							
Vend #	Vend Name	Receipt \$	Item #	Item Description	Receipt Dt	Promise Dt	Received Qty	Receipt \$	Exp Unit Cost \$	Usage Qty - YTD Total (All Loc)
00000...	ABC FASTENERS - SE...	\$1,820,804	W0010	LABEL	1/23/21	1/23/21	40,000	\$0	\$0.000000	0.0
00000...	MERCURY SUPPLY ...	\$1,375,333	F843	FRONT HOUSING	6/6/21	6/5/21	8.3	\$49	\$0.000000	7.1
00000...	CHICAGO UNION SUP...	\$496,613	F8058	FRONT HOUSING	6/11/21	6/10/21	1	\$8	\$8.250000	0.0
00000...	ABC FASTENERS - Q...	\$467,320	F8056	FRONT HOUSING	6/2/21	5/30/21	60	\$555	\$9.250000	54.4
00000...	DAYTON TRUCKING...	\$321,749	F8056	FRONT HOUSING	4/22/21	4/21/21	8.3	\$77	\$9.250000	54.4
00000...	PULLEY SUPPLY ...	\$308,150	F8056	FRONT HOUSING	2/28/21	2/28/21	18.3	\$169	\$9.250000	54.4
00000...	CINNINNATI FIRST AL...	\$281,241	F8051	FRONT HOUSING	6/11/21	6/10/21	1	\$9	\$9.250000	3.1
00000...	CHICAGO BOX COMP...	\$232,606	F8051	FRONT HOUSING	2/6/21	2/7/21	20.9	\$193	\$9.250000	3.1
00000...	CINNINNATI TEMPER...	\$229,355	F8029	FRONT HOUSING	1/17/21	1/15/21	47.4	\$438	\$9.250000	0.0
00000...	QUEEN CITY SUPPLY...	\$222,960	F8017	FRONT HOUSING	6/6/21	1/17/21	120.5	\$994	\$8.250000	209.9
		\$6,912,873					283,309.94	\$1,820,804		

Buying History by Item			
Item #	O/H \$	O/H Qty (All Loc)	Qty Allocated (All Loc)
C886	\$1	0.27	
C887	\$196	80.17	

Purchase Order Receipts (Item # = C890 AND O/H Qty (All Loc) = 2060.1180 AND Qty Allocated (All Loc) = 0.0000 AND On-Order Qty (All Loc) = 0.0000)					
Item #	Item Description	Vend #	Vend Name	Receipt \$	Receipt Dt
C890	LABELS	000000009400	ABC FASTENERS - PURCHASE ...	\$13,703	12/17/20
C890	LABELS	000000009400	ABC FASTENERS - PURCHASE ...	\$6,689	12/10/20
C890	LABELS	000000009400	ABC FASTENERS - PURCHASE ...	\$16,415	11/2/20
C890	LABELS	000000009400	ABC FASTENERS - PURCHASE ...	\$29	10/18/20

6. Purchase Order Generator

The Purchase Order Generator eliminates the need for manual keying of purchase orders. Your most tedious, labor-intensive, and error-prone task has been eliminated. Use our software to automatically create purchase orders based on your unique supply chain rules. It incorporates your reorder levels, MRP Computer Planned Orders, and production 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.

Create PO		00000000700 - CHICAGO BOX COMPANY												
Item Details														
Item # TAS876 Desc1 PACKAGING MATERIALS Last PO# Contract Dt 1/1/01														
Or...	Loc	Rec Ord Qty	O/H	O/O	Alloc	3-mon	6-mon	12-mon	Reorder Lvl	Max Qty	P/O mult	Last P/O	Unit Cost	
✓	CDI	66	49	50	33	0	0	0	468	682	0		\$2	
Item # TAS877 Desc1 PACKAGING MATERIALS Last PO# Contract Dt 1/1/01														
Or...	Loc	Rec Ord Qty	O/H	O/O	Alloc	3-mon	6-mon	12-mon	Reorder Lvl	Max Qty	P/O mult	Last P/O	Unit Cost	
✓	CDI	50	59	50	59	0	0	0	575	838	0		\$2	
Item # TAS878 Desc1 PACKAGING MATERIALS Last PO# Contract Dt 1/1/01														
Or...	Loc	Rec Ord Qty	O/H	O/O	Alloc	3-mon	6-mon	12-mon	Reorder Lvl	Max Qty	P/O mult	Last P/O	Unit Cost	
✓	CDI	43	58	0	15	0	0	0	562	819	0		\$2	
Item # TAS879 Desc1 PACKAGING MATERIALS Last PO# Contract Dt 1/1/01														
Or...	Loc	Rec Ord Qty	O/H	O/O	Alloc	3-mon	6-mon	12-mon	Reorder Lvl	Max Qty	P/O mult	Last P/O	Unit Cost	
✓	CDI	32	58	0	26	0	0	0	262	381	0		\$2	
Item # TAS880 Desc1 PACKAGING MATERIALS Last PO# Contract Dt 1/1/01														

7. Open Customer Order Component Shortages

Some organizations prefer to verify the component availability of a customer order upon receipt. On the upper panel, you click on the customer order number. The lower panel displays the summarized bill of materials for that item, and pinpoints components that will prevent you from manufacturing that item.

Customer Order Component Availability												
OE Order #	Status	Ord Dt	Cust #	Customer Name	Pur or MFG	Open?	Item #	Item Description	Ord Qty	O/H Qty (Loc)	Qty Avail (Loc)	Order Total
00127581	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6242-48009	PRODUCT LINE PAINTING	66	0	0	\$1,633.50
00127581	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6262-5453	WHEEL	2	0	0	\$420.00
00127579	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6263-5453	WHEEL	34	0	0	\$2,303.50
00127581	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6264-5453	WHEEL	2	0	0	\$161.00
00127579	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6280-5439/54...	V-IDLER PULLEY	6	0	0	\$666.00
00127581	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6228-5439/54...	PRODUCT LINE TRUCK	17	0	0	\$1,317.33
00127579	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6229-5439/54...	PRODUCT LINE TRUCK	10	0	0	\$1,766.60
00127579	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6242-48009	PRODUCT LINE PAINTING	64	0	0	\$1,584.00
00127579	P	4/20/19	0000000010...	CINCINNATI DISTRIBUTORS	M	N	6244-48009	PRODUCT LINE PAINTING	55	0	0	\$4,345.00
									1,599,958			\$41,281,001.86
Availability View (OE Order # = 00127579 AND Item # = 6280-5439/5404)												
Drag a column header here to group by that column												
OE Order #	Item #	Comp Item #	Comp Item Desc 1	Comp pur_or_mfg	Parent Qty Needed	Make ?	Total Component Qty Needed	Comp_Qty_On_Hand	Comp_Qty_Allocated	Comp_Qty_Avail	Short QTY	
00127...	6280-...	COR...	PACKAGING MATERIALS	P		No		50,000.00	50,964.71	-964.71		
00127...	6280-...	E540...	EDGE HOUSING	P		No		392.91	273.41	119.51		
00127...	6280-...	E543...	EDGE HOUSING	P		No		2,152.43	1,435.13	717.29		
00127...	6280-...	EW39...	EDGE HOUSING	P		No		396,868.00	5,381.00	391,487.00		
00127...	6280-...	EW40...	EDGE HOUSING	P		No		324,348.00	2,277.00	322,071.00		
00127...	6280-...	INS 2	SHIPPING CARTON INSERTS	P		No		0.00	200.00	-200.00		

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 materials for that parent item number and indicates which components will prevent you from manufacturing the item.

Shop Floor Orders with Consolidated BOM

Drag a column header here to group by that column

SF Ord #	SF Created Dt	SF Due Dt	Item #	Item Desc 1	Loc	Production Ord Qty	O/H Qty (Loc)	Qty Allocated (Loc)	Qty Avail (Loc)	Avg Cos
31	5/13/02	2/5/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	7	1,022	51	971	\$1,043
43	5/14/02	5/3/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	10	1,022	51	971	\$1,043
46	5/14/02	5/8/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	10	1,022	51	971	\$1,043
49	5/14/02	5/10/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	25	1,022	51	971	\$1,043
51	5/14/02	5/14/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	15	1,022	51	971	\$1,043
55	5/14/02	5/14/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	30	1,022	51	971	\$1,043
						227				

Consolidated BOM (SF Ord # = 49)

Drag a column header here to group by that column

Comp Item #	Comp Item Desc 1	Comp Product Category	Comp Mat Cost Type	Comp Pur/Mfg	Make ?	Found on Levels	Total Qty Needed	Comp_Qty_On_...	Comp_Qty_Alloc...	Short Qty	Comp Qty Avail
BCABASSY ...	Brake and Ca...	BB	ASM	M	Yes	1	25.00	686.00	203.00	0.00	483.
BCABLE ...	Cable for Brak...	BB	CP	P	Yes	2	25.00	950.00	15.00	0.00	935.
BCALIPER ...	Brake Caliper...	BB	CP	P	Yes	2	25.00	983.00	3.01	0.00	979.
BOLT ...	BOLT	BB	CP	P	No	2, 2, 2	75.00	10,447.00	111,430.00	-101,058.00	-100,983.
BRADS ...	Brake Brake E...	BB	CP	P	Yes	2	75.00	686.00	61.00	0.00	610.

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 materials and tells you which components may prevent you from manufacturing the item.

Shortages by POP order															
Mfg Ord #	MRP - Avail?	Mfg Order Due Dt	Production Ord Status	Item # Δ	Item Description	Loc	Prod Cat	Order qty	On-Order Qty (Loc)	O/H Qty (Loc)	Qty Allocated (Loc)	Qty Avail (Loc)	Item Controlled Fg	Item Stocked Fg	Average Cost
■□□c	■□□c	=	■□□c	■□□c	■□□c	■□□c	■□□c	=	=	=	=	=	■□□c	■□□c	=
0021...	N	8/13/21	R	003-E5...	WHEEL	...	FAB	2	2	0	2	-2	Y	Y	\$24.846.
0021...	N	7/24/21	R	003-E5...	WHEEL	...	FAB	2	2	4	0	4	Y	Y	\$26.004.
0021...	N	8/10/21	R	003-E5...	WHEEL	...	FAB	1	1	0	1	-1	Y	Y	\$24.845.
0021...	N	8/8/21	R	003-E5...	WHEEL	...	FAB	1	1	0	1	-1	Y	Y	\$24.356.
0021...	N	8/15/21	R	005-E5...	WHEEL	...	FAB	1	1	1	1	0	Y	Y	\$23.790.
0020...	Y	5/2/21	R	009-E5...	WHEEL	...	SUM	2	2	0	0	0	Y	Y	\$23.728.
0021...	N	8/15/21	R	009-E5...	WHEEL	...	SUM	1	1	0	1	-1	Y	Y	\$24.601.
37,987															
Query Analyzer (Mfg Ord # = 00218859 AND Item # = 003-E5431)															
Drag a column header here to group by that column															
Mfg Ord #	Item #	Comp Item #	Comp Search Desc	Comp Item Desc 1	Comp Product Category	Comp pur_or_mfg	Total Component Qty Needed	Make ?	Short QTY	Comp_Qty_On_Hand	Comp_Qty_Alloca...	Comp_QT...			
■□□c	■□□c	■□□c	■□□c	■□□c	■□□c	■□□c	=	■□□c	=	=	=	=			
00218859	003-E...	CARTO...	SHIPPING CARTON	SHIPPING C...	CTN	P	2.00	Yes	0.00	11,097.40	155.00	10			
00218859	003-E...	CORDIN...	PACKAGING MATERIALS	PACKAGING...	PAC	P	15.00	No	979.71	50,000.00	50,964.71				
00218859	003-E...	E5431	EDGE HOUSING	EDGE HOU...	FAB	P	3.00	Yes	0.00	2,252.36	394.86	1			
00218859	003-E...	EWFR	EDGE HOUSING	EDGE HOU...	FAB	P	2.00	Yes	0.00	115,940.10	1,151.27	114			

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 on order, 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.

POP order component shortages showing open P/O's															
Mfg Ord #															
Production Ord Status	Prod Cat	Mfg Order Due Dt	Par Item #	POP Item Desc 1	Item Description	Item #	Pur or MFG	MRP - Demand/Replenish...	MRP - Calc Demand Qty	MRP - Avail?	MRP - Net Qty O/H (Loc)	On-Ord Qty (All Loc)	Qty Allocated (Loc)	MRP Qty Avail (Loc)	Qty...
Mfg Ord #: 00207105 (MRP - Calc Demand Qty: 100)															
R	SUM	6/18/21		BELT	BELT	6690-54...	M	6/18/21		N	0	100	100	0	
R	PAC	6/18/21	6690...	BELT	VELCRO	VELCRO	P	6/18/21	100	N	-218	0	218	0	
100															
Mfg Ord #: 00207937 (MRP - Calc Demand Qty: 2)															
R	SUM	5/16/21		TURNT...	TURNTABLE PULL...	6390-30...	M	5/16/21		N	-2	4	6	0	
R	FRA	5/16/21	6390...	TURNT...	FRAMES	FRAME 6...	P	5/3/21	1	N	100	192	61	0	
R	MIS	5/16/21		TURNT...	FRAMES	FRAME 6...	P	5/3/21	1	N	100	192	61	0	
75,461.99															
Contains([MRP - Avail?], 'N')															
Purchase Orders Scheduled to be Received (Item # = FRAME 6390)															
Loc	Vend #	Vend Name		Item #	Item Description		PO Ord #	Qty Ordered	Qty Allocated (Loc)		Ord Dt	Promise Dt	Request Dt		
CIN	000000017900	DAYTON TRUCKING		...	FRAME 6...	FRAMES	01706400	50	61		7/1/21	10/31/21	7/1/21		
CIN	000000017900	DAYTON TRUCKING		...	FRAME 6...	FRAMES	01619600	142	61		4/30/21	7/10/21	7/10/21		

10. Shop Floor – Variance 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.

Shop Floor Open Orders - WIP Variance Analysis

Order Header

SF Ord #	SF Start Dt	SF Complete Dt	Production Ord Status	Item #	Production Ord Qty	Production Reported Qty	Planned Labor Hours	Actual Labor Hours	Variance Labor Hours	Variance Labor \$	Planned Components \$	Actual Components \$	Variance Material \$	SF Plan Total
47	4/10/02	5/9/02	E	SSEAT...	20	20	345	3,450,345	3,450,000	\$49,200,000	\$1,360	\$1,360	\$0	\$8,29
44	4/3/02	5/14/02	E	SFRAM...	20	20	345	345	0	\$0	\$5,000	\$5,000	\$0	\$11,93
31	1/2/02	2/8/02	E	BIKEAS...	7	6	191	105	-86	(\$1,089)	\$4,452	\$3,816	(\$636)	\$8,10
43	3/15/02		S	BIKEAS...	10	0	273	39	-234	(\$3,225)	\$6,360	\$0	(\$6,360)	\$11,57
48	4/17/02		S	SFRAM...	15	0	259	0	-259	(\$3,690)	\$3,750	\$0	(\$3,750)	\$8,95
50	4/18/02		R	SFRAM...	15	0	259	0	-259	(\$3,690)	\$3,750	\$0	(\$3,750)	\$8,95
					127	46.00	2,760.75	3,450,833.88	3,448,073.13	\$49,173,516	\$50,172	\$10,176	(\$39,996)	\$104,169.4

31 - Summary

	Sale Amount \$	Setup Labor Hrs	Setup Machine Hrs	Labor	Fixed Overhead	Var Overhead	Components	Outside Opers	Setup	Total Cost \$	Gross Profit
Planned		0.00	0.00	\$2,588.25	\$543.54	\$517.65	\$4,452.00	\$0.00	\$0.00	\$8,101.44	
Actual		0.00	0.00	\$1,499.26	\$314.86	\$299.86	\$3,816.00	\$0.00	\$0.00	\$5,929.98	

Order Details

Bill of Material Components

Operations Routing

Outside Operations

Comp Item #	Item Desc 1	Oper #	Count Point	Std Cost	Plan Qty	Issued Qty	Var Comp Qty
BCABASSY	Brake and Cable Assembly	40		\$96.000000	7	6	-1
FORK	Fork, Blk, Titanium Mesh	60		\$100.000000	7	6	-1
HBASSY	Handlebar Assembly	30		\$30.000000	7	6	-1

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 help you pinpoint manufactured items that, over time, are consistently not completed on schedule.

Shop Orders - on-time performance											
Order Header											
SF Ord #	Ord Dt	SF Due Dt	SF Complete Dt	Days late/early	Production Ord Status	Item #	Item Desc 1	SF Plan Total Cost \$	SF Act Total Cost \$	Variance Total Cost \$	P
21	5/13/02	1/4/02	5/14/02	-130	C	BIKEAS	ADVENTURE BIKE, LW, BLACK	\$5,787	\$3,705	(\$2,082)	
22	5/13/02	12/11/01	5/14/02	-154	C	SSEATASSY	Adventure Bike Seat Assembly	\$340	\$428	\$87	
23	5/13/02	1/10/02	5/14/02	-124	C	BIKEAS	ADVENTURE BIKE, LW, BLACK	\$9,259	\$6,998	(\$2,261)	
24	5/13/02	12/3/01	5/14/02	-162	C	SSEATASSY	Adventure Bike Seat Assembly	\$544	\$667	\$123	
25	5/13/02	1/16/02	5/14/02	-118	C	BIKEAS	ADVENTURE BIKE, LW, BLACK	\$8,101	\$5,658	(\$2,444)	
26	5/13/02	12/13/01	5/14/02	-152	C	SSEATASSY	Adventure Bike Seat Assembly	\$476	\$612	\$135	
27	5/13/02	1/24/02	5/14/02	-110	C	BIKEAS	ADVENTURE BIKE, LW, BLACK	\$3,472	\$3,209	(\$263)	
28	5/13/02	1/9/02	5/14/02	-125	C	SSEATASSY	Adventure Bike Seat Assembly	\$204	\$255	\$51	
29	5/13/02	1/22/02	5/14/02	-112	C	BIKEAS	ADVENTURE BIKE, LW, BLACK	\$5,787	\$3,982	(\$1,804)	
30	5/13/02	12/27/01	5/14/02	-138	C	SSEATASSY	Adventure Bike Seat Assembly	\$340	\$428	\$87	

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