



Take charge of your business with PULSE Dashboard & Analytics Software

Supply Chain Module – **NEW!**

PULSE DASHBOARD is revolutionary software that lets you leverage your Macola® investment in a new way—with a real-time display of vital business metrics and detailed analysis with the click of a mouse. You can track critical factors for your business on-screen and in real-time. Other PULSE Dashboard modules include Executive, Customer Service & Shipping, Financial, Sales and Marketing, Inventory, Purchasing, and MRP.

PULSE Dashboard & Analytics adds value to your Macola® investment

- Manage real-time data, on-screen, company-wide, all the time
- Important metrics not found in standard Macola® software
- One-click to customize each report by adding or removing columns, filtering, etc.
- Export all data to Excel/printer/PDF/e-mail
- Installation & training in an afternoon

What is the new PULSE Supply Chain module?

- The new Supply Chain tab includes several Dashboard reports previously sold ala carte. Now, all of them are bundled together for one price.
- Customers have been requesting a blank module to contain their reports.

What is included with the new PULSE Supply Chain module?

- Several reports and utilities that previously have been sold individually are now included for one price:
 - o Multi-level Bill of Material
 - o ABC inventory class generator
 - o Recalculate Item Min, max, Safety Stock level, and P/O Lead Times
 - o Purchase Order Generator
 - o Customer Order Component Availability and Production Order Component Availability
 - o Production Order Shortages showing open purchase orders
 - o Purchasing Buying History by vendor and items (2 reports)
 - o MRP Action report (Crystal)
 - o Shop Order In-Process orders showing variances (customized standard report)

- We intend for you to copy and paste reports that are going to be helpful to your unique company into the new Supply Chain tab. These are sample PULSE Dashboard Supply Chain tabs:

Shop orders in-process	Purchase Orders Past Due	Buying history	Vendor Performance	MRP details	BOM-single
Inv Stock Status	Inv Item Details	Reorder Rpt	Customer orders shortages	Customer orders component avail	
BOM-multi	BOM-all items	Recalc min/max/safety/PO lead times		ABC Class Gen	MRP Action Report
P/O Generator		+		v	
Production shortages	POP order shortages	Production component avail	POP orders/open P/Os	Shop orders component avail	

The following are some sample reports:

Multi-Level Bill of Material

This PULSE Dashboard Advanced Screen Designer report links together multiple reports. On the top panel, the report lists all manufactured items. You click on the item number to display its multi-level bill of material 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 Qty - 3 Month Avg...	Usage Qty - 6 Month Avg...	Usage Qty - 12 Month Avg...
CIN	005-E3000...	WHEEL	M	FAB	FABRICATED	0	\$24.23	\$24.23	5/19/21	6/20/21	1	0	0
CIN	005-E3409...	WHEEL	M	FAB	FABRICATED	6	\$26.15	\$26.21	6/12/21	6/12/21	6	5	5
CIN	005-E3695...	WHEEL	M	FAB	FABRICATED	0	\$24.40	\$24.40	12/27/20	12/27/20	0	0	0
CIN	005-E5413...	WHEEL	M	FAB	FABRICATED	1	\$24.07	\$24.02	6/13/21	6/13/21	2	2	1
CIN	005-E5421...	WHEEL	M	FAB	FABRICATED	4	\$25.99	\$24.94	5/23/21	6/17/21	0	0	0
CIN	005-E5431...	WHEEL	M	FAB	FABRICATED	5	\$24.74	\$24.20	6/18/21	6/18/21	5	2	2

Contains([Pur or MFG], 'm')

Edit Filter

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_On Ord	Qty_Alloc	Average Cost	Extended Avg Cost	vac_type
=	CIN	CIN	CIN	=	CIN	CIN	CIN	CIN	CIN	CIN	=	=	=	=	=	=	=	CIN
0	005-E5...	005-E5...	CIN	1	WHEEL	CIN	E5413	EDGE HOUSING	A	P	1.5	0	0	500.00	262.61	\$6.949889	10.42483350...	
0	005-E5...	005-E5...	CIN	2	WHEEL	CIN	ZIPPER CUS...	ZIPPER BAGS	A	P	1.33	0	0	0.00	12,092.00	\$0.300000	0.399000000...	
0	005-E5...	005-E5...	CIN	3	WHEEL	CIN	ZIPPER TAB ...	ZIPPER BAGS	A	P	1	0	0	0.00	6,818.00	\$0.046000	0.046000000...	
0	005-E5...	005-E5...	CIN	4	WHEEL	CIN	CORDING C...	PACKAGING MATERI...	A	P	7.5	0	0	0.00	50,964.71	\$0.020000	0.150000000...	
0	005-E5...	005-E5...	CIN	5	WHEEL	CIN	POLY SH #0...	BUSHING	A	P	1	0	0	1.00	1.00	\$6.500000	6.500000000...	
0	005-E5...	005-E5...	CIN	7	WHEEL	CIN	POLY BAG C...	BUSHING	A	P	4	0	0	0.00	58,159.03	\$0.100000	0.400000000...	
0	005-E5...	005-E5...	CIN	8	WHEEL	CIN	EWFR	EDGE HOUSING	A	P	1	0	0	0.00	1,151.27	\$0.018481	0.018481000...	
0	005-E5...	005-E5...	CIN	9	WHEEL	CIN	LABOR	LABOR COST	N	P	0.31	0	0	0.00	6,068.54	\$10.500000	3.255000000...	

Multi-Level Bill of Material – all items

This custom report displays each component item number and all parent item numbers to which they are linked. This report is helpful when you have obsolete items and need to know all the parent items they are connected to. It also can conveniently filter on a parent item number to show all components.

By component item number:

Multi-level BOM - all items														
Drag a column header here to group by that column														
Item #	Comp Product...	Comp Item #	Comp Item Desc 1	Parent Qty Needed	Comp pur_or_mfg	Total Component Qty Needed	Make ?	Short QTY	Comp_Qty_On_Hand	Comp_Qty_Alloc...	SF Alloc Qty	Comp_Qty_...	gross_demand_...	
#10 Grommet	#10 Grommet	#10 Grommet	GROMMET	=	#10 Grommet	=	#10 Grommet	=	=	=	=	=	=	
6825-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6825-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6825-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6825-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6825-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6825-F80...	FAB	#10 GROMMET	GROMMET	4	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6855-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6855-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6855-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6855-F80...	FAB	#10 GROMMET	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	

By parent item number:

Multi-level BOM - all items														
Drag a column header here to group by that column														
Item #	Comp Product...	Comp Item #	Comp Item Desc 1	Parent Qty Needed	Comp pur_or_mfg	Total Component Qty Needed	Make ?	Short QTY	Comp_Qty_On_Hand	Comp_Qty_Alloc...	SF Alloc Qty	Comp_Qty_...	gross_demand_qty	
#10 Grommet	#10 Grommet	#10 Grommet	GROMMET	=	#10 Grommet	=	#10 Grommet	=	=	=	=	=	=	
6825-F801	FAB	#10 GROMME...	GROMMET	0	P	23.00	No	34.00	0.00	11.00	0.00	-11.00	23.00	
6825-F801	CTN	CARTON COP...	SHIPPING CARTON	0	P	29.08	Yes	0.00	6,746.90	25.08	0.00	6,721.82	29.08	
6825-F801	FAB	F801	FRONT HOUSING	0	P	0.00	No	0.00	100.48	0.00	0.00	100.48		

Shop Floor Manufacturing Orders – linked to a screen showing availability by component

Some manufacturers like double-checking component availability as they prepare to release the order to the shop floor. 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.

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)	
	=	=				=	=	=	=
31	5/13/02	2/5/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	7	1,022	51	
43	5/14/02	5/3/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	10	1,022	51	
46	5/14/02	5/8/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	10	1,022	51	
49	5/14/02	5/10/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	25	1,022	51	
51	5/14/02	5/14/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	15	1,022	51	
55	5/14/02	5/14/02	BIKEAS	ADVENTURE BIKE, LW, BLACK	MA	30	1,022	51	
						227			

Consolidated BOM (SF Ord # = 46)

Drag a column header here to group by that column

Comp Item #	Comp Item Desc 1	Comp Item Desc 2	Comp Product Category	Comp Mat Cost Type	Comp Pur/Mfg	Found on Levels	Total Qty Needed	Comp_Qty_On_Hand	Comp_Qty_Allocated	Comp Qty Available	
							=	=	=	=	=
BCABASSY	... Brake and Cable ...		BB	ASM	M	1	10.00	686.00	203.00	483.00	
BCABLE	... Cable for Brakes 1		BB	CP	P	2	10.00	950.00	15.00	935.00	
BCALIPER	... Brake Caliper, Tit...		BB	CP	P	2	10.00	983.00	3.01	979.99	
BOLT	BOLT		BB	CP	P	2, 2, 2	30.00	10,447.00	111,430.00	-100,983.00	
BPADS	... Brake Pads, Extra...		SP	CP	P	2	30.00	680.00	61.00	619.00	
BRACKETS	Brackets for Seat		SP	CP	P	2, 2	30.00	280.00	34.00	246.00	

Customer Orders – linked to a screen showing availability by component

Some manufacturers like to check the component availability of a customer order when the order is received. On the upper panel, you click on a customer order number. The lower panel displays the summarized bill of material for 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)	Cruct Total
00127581	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6242-48009	PRODUCT LINE PAINTING	66	0	\$1,633.50
00127581	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6262-5453	WHEEL	2	0	\$420.00
00127579	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6263-5453	WHEEL	34	0	\$2,303.50
00127581	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6264-5453	WHEEL	2	0	\$161.00
00127579	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6280-5439/54...	V-IDLER PULLEY	6	0	\$666.00
00127581	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6228-5439/54...	PRODUCT LINE TRUCK	17	0	\$1,317.33
00127579	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6229-5439/54...	PRODUCT LINE TRUCK	10	0	\$1,766.60
00127579	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6242-48009	PRODUCT LINE PAINTING	64	0	\$1,584.00
00127579	P	4/20/19	0000000010...	CININNATI DISTRIBUTORS	M	N	6244-48009	PRODUCT LINE PAINTING	55	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	

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