



Take charge of your business with PULSE Dashboard Reporting Software

Designer Module

PULSE DASHBOARD is revolutionary software that lets you leverage your Macola® investment in a new way —with 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 modules include Financial, Customer Service, Sales and Marketing, Inventory, Purchasing, Production, and Material Requirements Planning.

PULSE Dashboard adds value to your Macola® investment

- Manage with real-time data, on-screen, company-wide, all the time
- Inconsistencies between reports from different departments are eliminated
- Important metrics not found in standard Macola® software
- One-click drill-down to view details & One-click report writer generates custom reports
- Export all data to Excel/printer/PDF/e-mail
- Installation & training in an afternoon

The PULSE Designer Module

The User may further enhance reporting capabilities based on data from the Macola database and other SQL databases by allowing the User to add reports not available in other modules of the Dashboard. These reports may be added to any tab in any module and include:

- Advanced Report Designer,
- Query Analyzer Report, and
- Crystal Reports

Advanced Report Designer

The Advanced Designer Report allows the User to “connect” two existing reports together that contain related but different information into a single report.

For example, you may want to display Accounts Receivable Aging information for a customer and detailed information about unshipped sales orders for that customer. Using standard reports in Pulse Dashboard, this can only be achieved on two separate reports.

The example below displays inventory information on the top screen and the bill of material components on the lower screen:

Choose Manufactured Item To View

Drag a column header here to group by that column

Prod Cat	Loc	Item #	Item Description	Pur or MFG	Std Cost	Average Cost
					=	=
FAB	CIN	#8 GROMMET	GROMMET	P	\$0.367700	\$0.980553
MIS	CIN	#8 SPUR WASHER	WASHER	P	\$0.367700	\$0.700306
FAB	CIN	003-E3000-0054	WHEEL	M	\$0.000000	\$23.592250
FAB	CIN	003-E3409	WHEEL	M	\$0.000000	\$27.170321
FAB	CIN	003-E3695-0054	WHEEL	M	\$0.000000	\$24.466981
=14338						

Multi-Level BOM View (Item # = 003-E3000-0054 AND Std Cost = 0.000000 AND Average Cost = 23.592250)

Drag a column header here to group by that column

Item #	Parent Item Desc	Parent Loc	Level	Seq #	Comp Item #	Comp Item Desc	Activity Flag	Pur/Mfg	Comp Loc	Average Cost	Extended Avg Cost	Extended Last Cost	Extended Cost
			=	=						=	=	=	=
003-E3000-0054	WHEEL	CIN	0	1	E3000-0054	EDGE HOUSING	A	P	CIN	\$6.440446	11.27078...	11.27078...	12.162
003-E3000-0054	WHEEL	CIN	0	2	ZIPPER CUSTOMER	ZIPPER BAGS	A	P	CIN	\$0.300000	0.399000...	0.399000...	0.3990
003-E3000-0054	WHEEL	CIN	0	3	ZIPPER TAB CUST	ZIPPER BAGS	A	P	CIN	\$0.046000	0.046000...	0.046000...	0.0460
003-E3000-0054	WHEEL	CIN	0	4	CORDING CUSTOME	PACKAGING MATERIAL...	A	P	CIN	\$0.020000	0.150000...	0.150000...	0.1500
003-E3000-0054	WHEEL	CIN	0	5	POLY SH #003-CA	BUSHING	A	P	CIN	\$6.880000	6.880000...	6.880000...	6.8800
003-E3000-0054	WHEEL	CIN	0	6	FWER	EDGE HOUSING	A	P	CIN	\$0.018481	0.018481...	0.022910...	0.0000

In the following example, the left panel displays year-to-date purchase totals by vendor. If you click on the vendor number, the right panel displays detailed purchasing receipts:

YTD Purchases for top vendors			
Drag a column header here to group by that column			
	Vend #	Vend Name	Receipt \$
1	0000000060...	ABC FASTENERS - SEATTLE	\$1,820,804
2	0000000150...	MERCURY SUPPLY	\$1,375,333
3	0000000030...	CHICAGO UNION SUPPLY	\$496,613
4	0000000058...	ABC FASTENERS - QUEENS	\$467,320
5	0000000179...	DAYTON TRUCKING	\$321,749
6	0000000066...	PULLEY SUPPLY	\$308,150
7	0000000146...	CINCINNATI FIRST AID	\$281,241
8	0000000048...	CHICAGO BOX COMPANY	\$232,606
9	0000000121...	CINCINNATI TEMPERATURE CONTROL	\$229,355
10	0000000169...	QUEEN CITY SUPPLY	\$222,960
11	0000000134...	CINCINNATI TEMPERATURE CONTROL	\$178,939
12	0000000050...	ABC FASTENERS - BROOKLYN	\$153,408

Purchase Order Receipts (Vend # = 000000005800 AND Vend Name = ABC FASTENERS - QUEENS)									
Drag a column header here to group by that column									
Item #	Item Description	Receipt Dt	Received Qty	Receipt \$	Exp Unit Cost \$	Usage Qty - YTD Total (All Loc)	PO Header - Ord Status	PO Lin	
FOAM 10...	SOUND DEADENING	5/15/21	140	\$181	\$1.290000	3,390.0	P	P	
FOAM 10...	SOUND DEADENING	5/20/21	200	\$258	\$1.290000	3,390.0	P	P	
FOAM 10...	SOUND DEADENING	5/29/21	307	\$396	\$1.290000	3,390.0	P	P	
FOAM 10...	SOUND DEADENING	3/25/21	30	\$24	\$0.790000	190.0	P	P	
FOAM 10...	SOUND DEADENING	4/14/21	30	\$21	\$0.690000	190.0	P	P	
FOAM 10...	SOUND DEADENING	4/23/21	0	\$3	\$0.690000	190.0	P	P	
FOAM 20...	SOUND DEADENING	3/25/21	96	\$140	\$1.460000	1,236.0	P	P	
FOAM 20...	SOUND DEADENING	4/14/21	84	\$108	\$1.280000	1,236.0	P	P	
FOAM 20...	SOUND DEADENING	4/23/21	0	\$15	\$1.280000	1,236.0	P	P	

Query Analyzer

The Query Analyzer Report allows the User to create a customized report from any information within the Macola database and any information available in ANY SQL database. This also includes custom reports that we have developed.

The User may create a unique report using SQL scripting language or by calling a Stored Procedure or SQL View. The information contained in the custom report may be sorted, filtered, printed, or exported to Excel just as you would any standard report in Pulse Dashboard.

Below is an example of the SQL programming code that will generate a single-level bill of material:

Query Analyzer

Box Caption: Single Level Bill of Material

☐ Show Query Editor in Pulse Report

☒ Auto-fit columns to match Box width?

☒ Enable advanced dashboard integration

SQL Query

```
SELECT bom.item_no as 'Parent Item #', im_p.item_desc_1 as 'Parent Description', bom.seq_no, bom.comp_item_no, im_c.item_desc_1 as 'Component Description',
bom.qty_per_par, bom.scrap_factor, bom.activity_fg as 'Activity Flag', bom.scrap_qty, im_p.prod_cat as 'Parent Cat'
FROM BMPRDSTR_SQL bom
join imitmidx_sql im_p on bom.item_no = im_p.item_no
join imitmidx_sql im_c on bom.comp_item_no = im_c.item_no
where im_p.activity_cd = 'A'
```

This is an example of the resulting report:

Single Level Bill of Material				
Parent Item #				
Parent Description	Comp Item #	Component Description	Seq #	Qty Per Par
☒ c	☒ c	☒ c	=	=
Parent Item #: 003-E3000-0054				
WHEEL ...	E3000-00...	EDGE HOUSING	1	1.75
WHEEL ...	ZIPPER C...	ZIPPER BAGS	2	1.33
WHEEL ...	ZIPPER T...	ZIPPER BAGS	3	1
WHEEL ...	CORDIN...	PACKAGING MATERIALS	4	7.5
WHEEL ...	POLY SH ...	BUSHING	5	1
WHEEL ...	EWFR ...	EDGE HOUSING	6	1
WHEEL ...	POLY BA...	BUSHING	7	4
WHEEL ...	W0005 ...	LABEL	8	1
WHEEL ...	LABOR ...	LABOR COST	9	0.31
WHEEL ...	OVERHE...	OVERHEAD COST	10	0.31
			SUM=55	
Parent Item #: 003-E3409				
WHEEL ...	E3409	EDGE HOUSING	1	1.5
WHEEL ...	ZIPPER C...	ZIPPER BAGS	2	1.33
WHEEL ...	ZIPPER T...	ZIPPER BAGS	3	1
WHEEL ...	CORDIN...	PACKAGING MATERIALS	4	7.5

Crystal Reports

We once offered the feature of running Crystal reports from within the PULSE Dashboard. We have since dropped support for this feature. For the most part, these reports ran nicely. However, some customers installed the Crystal software, where some components resided in the wrong folder. This resulted in very old Crystal components conflicting with the Dashboard software.

The solution to this problem was to simply copy the SQL code from the Crystal reports and insert the code in a Query Analyzer report.

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. Leahy Consulting is not associated with ECI® Software.

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	Expert Support/Optimization for 25 years
	Developer of Pulse Dashboard software