

Material Requirements Planning (MRP) Module

Take charge of your business with PULSE Dashboard Software

PULSE Dashboard is revolutionary software that lets you leverage your Macola® investment a new way—with a real-time display of your vital business metrics, and detailed analysis with the click of a mouse. Other PULSE modules include Executive, Sales & Marketing, Customer Service/Shipping, Inventory and Purchasing, Financial Control, Production and Inventory ABC Class Generator. For more information, go to www.PULSEdashboard.com.

PULSE Dashboard Software adds value to your Macola® investment

- Installed and running in an afternoon on your computer.
- Pre-configured - no programming or IT assistance needed.
- Manage with real-time data, on-screen, company-wide, all the time.
- Drill-down to view details. One-click report writer generates custom reports.
- Everything exports to Excel/printer/PDF/e-mail.

PULSE MRP gives you capabilities not available elsewhere

- Time phasing of demand and replenishment – Our MRP regeneration program creates 25 weekly buckets for demand (from customers and production orders) and 25 weekly buckets for replenishment (from purchase orders and production orders).
- No set-up – That is correct, there are no hours of tedious set-up.
- MRP Action Reports – Our proven MRP Action report is concise and easy to understand.

Time-phasing has been added to your existing Inventory Status screen

We added MRP time phasing to your existing PULSE Inventory Status screen. In addition to viewing critical data on each inventory item, you can NOW see the projected on-hand quantity by week based on demand and replenishment.

Item Item Detailed View													
Item #:	E3089		Location:	CIN		View Transactions	Transaction Date	From:	1/1/2008		To:	6/20/2008	
ATP Qty Needed:	0		Ship by:	1/8/2012		Do not allow shortages within	14		days.	JIT Replenishment	Preview in MRP		
Summary													
Qty O/H	Qty Alloc	Qty On-Order	Qty Avail	Mths O/H	Last Sale	Last Purch	Last Usage	YTD Usage	12 Mth Usg	Avg 12 Mth Usg	12 Mth Inv Turn		
3,081.07	1,733.8	4,960.6	1,347.27	1.35	12/14/06	07/18/08	07/22/08	12,368	27,400	2,283.3	8.87		
Historical Summary													
	06/08	05/08	04/08	03/08	02/08	01/08	12/07	11/07	10/07	09/07	08/07	07/07	
Qty O/H	3,081.1	3,081.1	2,221.1	1,816.3	3,404	2,580.8	3,307	4,236.7	5,366.8	1,025.2	2,368.9	2,938.1	
Receipts	3,356.2	3,054.5	1,883.9	3,029.4	541.1			1,000.6	6,142.1	560.6	110	2,199.7	
Usage		2,500.7	2,582.2	3,368.6	2,016.3	976.3	924.8	2,031.7	1,812.2	1,904.4	679.2	817.5	
Transfer In													
Transfer Out													
Turns	6.8	8.4	8.9	8.4	7.4	7.2	7.5	8	7.7	7.2	6.7	7.2	
MRP Summary													
	Totals	Past Due	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Future Month 1	Future Month 2	Future Month 3	Future Month > 3	
Demand	1,745	51	6	41	392	709	236	310					
Replenishm	4,961	1,961		3,000									
Net O/H	6,297.1	4,991.1	4,985.1	7,944.1	7,552.1	6,843.1	6,607.1	6,297.1	6,297.1	6,297.1	6,297.1	6,297.1	
MRP Details													
Bill of Material													
Where-Used													

Easy to read and concise MRP reports

Our MRP Action and Supplier Forecast reports provide concise and easy to read demand and replenishment data. These reports can be run from within PULSE via the Designer module or from within the Crystal Reports software. These reports are also available if you are using the Macola® MRP module. Both reports include filtering and exception reporting to pinpoint items that need attention.

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PULSE Dashboard MRP Action Report

** 2-Week Buffer is two week's avg. usage for the past 26 weeks *** Weeks Avail Qty is On-hand less Allocated divided by 26 week average usage

Buyer	Item #	Description	P/M	O/H Qty	2-Week Buffer **	Repl LT	P/O LT	Wks Avail ***	Reorder Qty	Past Due	1/06/12	1/13/12	1/20/12	1/27/12	2/03/12	2/10/12	2/17/12	2/24/12	Wks 9-12	Wks 13-16	After Wk 16	
C	20-531	VLVG	P	0	138	6	30	(27.1)	507	0	0	0	0	0	0	0	0	0	0	75	75	
Weekly Usage: 4 weeks = 75 13 weeks = 81 26 weeks = 69 Avg Mon Usage: 277																						
											Prior Inventory * Demand Replenishment Net Inventory											
C	20-671	1/4 IN	P	3,929	419	5	10	(11.7)	1500	0	3,929	3,929	3,653	3,652	3,177	2,427	1,952	1,677	927	302	(1,348)	(2,448)
Weekly Usage: 4 weeks = 147 13 weeks = 232 26 weeks = 210 Avg Mon Usage: 839																						
											Prior Inventory * Demand Replenishment Net Inventory											
C	20-672	3/8 IN	P	5,302	725	5	10	(0.6)	1171	0	5,302	5,200	4,856	4,064	3,451	3,024	2,590	2,465	2,090	1,715	267	(233)
Weekly Usage: 4 weeks = 483 13 weeks = 417 26 weeks = 362 Avg Mon Usage: 1450																						
											Prior Inventory * Demand Replenishment Net Inventory											
C	20-778	UMB	P	0	12		60	(8.7)	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Weekly Usage: 4 weeks = 0 13 weeks = 4 26 weeks = 6 Avg Mon Usage: 23																						
											Prior Inventory * Demand Replenishment Net Inventory											
C	20-785	NUT	P	1,682	212	5	10	(2.9)	373	0	1,682	1,682	1,542	1,542	1,492	1,392	1,342	1,292	742	192	(108)	(308)
Weekly Usage: 4 weeks = 151 13 weeks = 193 26 weeks = 106 Avg Mon Usage: 423																						
											Prior Inventory * Demand Replenishment Net Inventory											

Pinpoint production component shortages

This screen is part of the PULSE Production module and it pinpoints component shortages over the next X days. The second screen is the drill-down screen showing you the details for each component.

Component shortages for POP/SFC orders

Drag a column header here to group by that column

Loc	Item #	Item Description 1	Item Pur or MFG	Vend #	Earliest Demand	O/H Qty (All Loc)	MRP - Replenish Orders Count	Net Qty (Loc)
CIN	POLY...	BUSHING	P	000000005800		0	3	-13
CIN	POLY...	BUSHING	P	000000005800		0	3	-40
CIN	POLY...	BUSHING	P	000000005800		0	3	-39
CIN	POLYS...	BUSHING	P	000000005800		0	2	-22
CIN	POLY...	BUSHING	P	000000005800		0	2	-16
CIN	FRAME...	FRAMES	P	000000017900		0	2	303
CIN	FRAME...	FRAMES	P	000000017900		0	2	131
CIN	POLY...	BUSHING	P	000000005800		0	1	-8
CIN	POLY...	BUSHING	P	000000005800		0	1	-651
CIN	VELCR...	VELCRO	P		6/28/13	0	0	-1,142
CIN	VELCR...	VELCRO	P		4/1/13	0	0	-1,558
CIN	VELCR...	VELCRO	P		6/18/13	0	0	-218
CIN	SELF-...	PACKAGING	M		4/11/13	0	0	-359
CIN	SELF-...	PACKAGING	M		6/20/13	0	0	-88

MRP - Ord Type	MRP - Ord Dt	MRP - Ord #	Vend #	MRP - New Qty On-Hand (Loc)	MRP - Qty Demand/Replenish	MRP - Demand/Replenish Date
Production (Demand)	4/28/13	00205524		-5	-6	5/22/13
Purchase (Replenishment)	5/9/13	01632100	000000005800	1	1	5/15/13
Production (Demand)	7/14/13	00218639		-4	-1	8/8/13
Production (Demand)	7/14/13	00218669		-6	-2	8/9/13
Production (Demand)	7/15/13	00218697		-10	-4	8/10/13
Production (Demand)	7/15/13	00218862		-6	-4	7/24/13
Purchase (Replenishment)	7/16/13	01724000	000000005800	-2	3	7/22/13
Production (Demand)	7/21/13	00219390		-12	-2	8/14/13
Production (Demand)	7/21/13	00219412		-13	-1	8/16/13
Purchase (Replenishment)	7/21/13	01727300	000000005800	-3	3	7/25/13

Pinpoint shortages by item number, production order, vendor, customer order, etc.

These MRP module screens allow you to pinpoint shortages by any data field.

The image shows two screenshots of SAP MRP module reports. The top screenshot is titled 'Production Components Causing Shortages by Item Number'. It features a table with columns: Vend #, Item #, Item Description 1, Par Item #, MRP - Ord Type, Customer #, Org Ord #, MRP - Demand/Replenish Date, MRP - Calc Demand Qty, and MRP - New Qty On-Hand (Loc). The data includes items like V-IDLER PULLEY and TURNTABLE PULLEY BELT with various MRP types and dates. A total of 2,418.84 is shown at the bottom. Below the table is a filter: [MRP - Ord Type] = 'Customer (Demand)' Or [MRP - Ord Type] = 'Production (Demand)'. The bottom screenshot is titled 'Production Components Causing Shortages by Production Order Number'. It has a search field for 'Org Ord #'. The table columns are: MRP - Ord #, Item #, Item Description 1, MRP - Demand/Replenish Date, Par Item #, POP Item Desc 1, MRP - Calc Demand Qty, and MRP - New Qty On-Hand (Loc). It shows data for Org Ord #: 00205525 (MRP - Calc Demand Qty: 12) and Org Ord #: 00205933 (MRP - Calc Demand Qty: 6).

For more information or a demonstration, call (513) 723-8091

In one afternoon, we can have PULSE installed and running at your office with your data. On-going enhancements as well as unlimited set-up, training and phone support are all included as part of our annual maintenance.

Leahy Consulting is an independent ERP consulting company with over 25 years of experience supporting and optimizing Macola® ERP systems. Leahy Consulting is not a Macola® software reseller or associated with ECI® Software.

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