

## Take charge of your business with PULSE Dashboard Reporting Software

### Material Requirements (MRP) 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 will be able to track critical factors for your business, on-screen and real-time. Other PULSE modules include Financial, Customer Service, Sales and Marketing, Inventory, Purchasing, Production and Material Requirements.

#### 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

#### PULSE MRP gives you capabilities not available elsewhere

- Time phasing of demand and replenishment in the PULSE 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 for material planning to be effective
- MRP Orders Report is pre-configured but the user may change information multiple ways to meet requirements as reports by Item, Location, Vendor, Customer, Product Category, Job or many others are easily possible

#### Used with the PULSE Inventory module time-phasing is included on the Item Detail View screen

MRP time phasing has been added to the existing PULSE Inventory Item Detail View screen. In addition to viewing critical data on each inventory item, see the projected on-hand quantity by week based on demand and replenishment. Use the Inventory Item Detail View to create a detailed MRP view in seconds.

**Item Details View**  
Item: 6210-3089 - PRODUCT LINE TRUCK | Loc: (ALL) | Group: (ALL) | From: 1/1/2014 | To: 5/20/2014

**Summary**

Qty O/H	Qty Alloc	Qty On-Order	Qty Avail	Mths O/H	Last Sale	Last Purch	Last Usage	YTD Usage	12 Mth Usq	Avg 12 Mth Usq	12 Mth Inv Turn
2	93	212	-91	0.01	06/20/14		06/20/14	758	1,787	148.9	0.00

**MRP Summary**

Totals	Past Due	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Weeks 7-10	Weeks 11-14	Weeks 15-18	Future
Demand	93								93		
Replenishme	212										212
Net O/H	121	2	2	2	2	2	2	2	-91	-91	-91

**MRP Details**

MRP - Ord Type	MRP - Ord Dt	MRP Ord #	MRP - Demand/Replish Date	MRP - Qty Demand/Replish	MRP - New Qty On-Hand (Loc)	MRP - ATP Qty Avail
Customer (Demand) - Short	7/18/14	00232499	8/1/14	-6	-69	-69
Customer (Demand) - Short	7/21/14	00232762	8/4/14	-6	-75	-75
Customer (Demand) - Short	7/21/14	00232765	8/4/14	-4	-79	-79
Customer (Demand) - Short	7/21/14	00232839	8/4/14	-2	-81	-81
Customer (Demand) - Short	7/21/14	00232856	8/4/14	-4	-85	-85
Customer (Demand) - Short	7/21/14	00232887	8/4/14	-6	-91	-91
Production (Replenishment)	7/9/14	00218077	7/18/15	100	9	9
Production (Replenishment)	7/16/14	00218994	7/25/15	112	121	121

**Bill of Material**

Item #	Item Description	Qty Per Par	ATP Qty Needed	O/H Qty (Loc)	Qty Allocated (Loc)	On-Order Qty (Loc)	Scrap Factor	Scrap Qty	Attaching Oper #
CARTON FRONTGAT	SHIPPING CARTON	1	0	31,807.2	5,873.1	4,500	0	0	0 N
E3089	EDGE HOUSING	0.69	0	3,081.07	1,733.8	4,960.8	0	0	0 N
EW39R	EDGE HOUSING	1	0	396,868	5,381	0	0	0	0 N

# Used with the PULSE Production module time-phasing is also included in the Component Causing Shortages screen

This screen pinpoints component shortages over the next X days. The User determines the number of days in the set-up screen. The second screen below is the drill-down screen displaying the demand and replenishment details for each component in date order.

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	00000005800		0	3	-13
CIN	POLY ...	BUSHING	P	00000005800		0	3	-40
CIN	POLY ...	BUSHING	P	00000005800		0	3	-39
CIN	POLYS...	BUSHING	P	00000005800		0	2	-22
CIN	POLY ...	BUSHING	P	00000005800		0	2	-16
CIN	FRAME...	FRAMES	P	00000017900		0	2	303
CIN	FRAME...	FRAMES	P	00000017900		0	2	131
CIN	POLY ...	BUSHING	P	00000005800		0	1	-8
CIN	POLY ...	BUSHING	P	00000005800		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)	4/29/13	00205524			-5	5/22/13
Purchase (Replenishment)	5/9/13	01632100	00000005800		1	5/15/13
Production (Demand)	7/14/13	00218639			-4	8/8/13
Production (Demand)	7/14/13	00218669			-2	8/9/13
Production (Demand)	7/15/13	00218697			-10	8/10/13
Production (Demand)	7/15/13	00218862			-6	7/24/13
Purchase (Replenishment)	7/16/13	01724000	00000005800		-2	7/22/13
Production (Demand)	7/21/13	00219390			-12	8/14/13
Production (Demand)	7/21/13	00219412			-13	8/16/13
Purchase (Replenishment)	7/21/13	01727300	00000005800		-3	7/25/13

# The PULSE MRP Module Shortages pinpoints shortages by item number, production order, vendor, customer order, product category, etc.

The MRP Orders Causing Shortages screens displays shortages in this example is by order number:

MRP - Ord Type	Org Ord #	Org Item #	OE Ord #	MRP - Demand/Replenish Date	MRP - Ord #	Par Item #	Loc	Item Desc 1	Item Pur or MFG	Cust #	MRP - Calc Demand Qty	Qty Avail (All Loc)
Item #: PAR (MRP - Calc Demand Qty: 494)												
Production (Replenishment)	00000009	PAR		5/3/13	00000009		CO	Parent Item	M			-484
Production (Replenishment)	00000000	PAR	00000061	2/27/14	00000018		CO	Parent Item	M	00000000100		-484
Customer (Demand)			00000061	2/28/14	00000061		CO	Parent Item	M	00000000100	333	-484
Production (Replenishment)	00000019	PAR	00000064	3/31/14	00000019		CO	Parent Item	M	00000000100		-484
Customer (Demand)			00000064	4/1/14	00000064		CO	Parent Item	M	00000000100	22	-484
Production (Replenishment)	00000000	PAR	00000070	4/5/14	00000023		CO	Parent Item	M	00000000200		-484
Customer (Demand)			00000070	4/6/14	00000070		CO	Parent Item	M	00000000200	25	-484
Customer (Demand)			00000073	9/8/14	00000073		CO	Parent Item	M	00000000100	1	-484
Customer (Demand)			00000072	9/30/14	00000072		CO	Parent Item	M	00000000100	1	-484
Customer (Demand)			00000077	11/15/14	00000077		CO	Parent Item	M	00000000100	10	-484
Customer (Demand)			00000079	1/7/15	00000079		CO	Parent Item	M	00000000100	1	-484
Production (Replenishment)	00000027	PAR		6/5/15	00000027		CO	Parent Item	M			-484
Customer (Demand)			00000086	6/5/15	00000086		CO	Parent Item	M	00000000100	1	-484
Production (Replenishment)	00000028	PAR		6/30/16	00000028		CO	Parent Item	M			-484
Customer (Demand)			00000094	6/30/16	00000094		CO	Parent Item	M	00000000100	100	-484
												494
Item #: PAR2 (MRP - Calc Demand Qty: 0)												
Shop Floor (Replenishment)				7/28/14	00000028		CO	Parent Item 2	M			0
												0
Item #: PIN 7C (MRP - Calc Demand Qty: 2,400)												
Customer (Demand)			00000500	12/10/94	00000500		AK	Pin - 7C	P	00000000200	1,200	12,000
Customer (Demand)			00000501	12/10/94	00000501		AK	Pin - 7C	P	00000000200	1,200	12,000
												2,400
Item #: PIN25 (MRP - Calc Demand Qty: 700)												
Customer (Demand)			00000500	12/10/94	00000500		AK	Pin - 25 Male	P	00000000200	350	-200
Customer (Demand)			00000501	12/10/94	00000501		AK	Pin - 25 Male	P	00000000200	350	-200
												700
Item #: PLASMA 4J (MRP - Calc Demand Qty: 8)												
Production (Demand)	00000002	ELECTRN GUN 5L		12/9/94	00000002	ELECTRN GUN 5L	AK3	Plasma Ionized Gas - 4J	P		8	-5
												8
												25,090

This example is by Buyer/Planner:

Item Desc 1	Item Pur or MFG	MRP - Ord Type	MRP - Demand/Replenish	O/H Qty (Loc)	MRP - Qty Demand/Replenish	MRP - New Qty On-Hand (Loc)	Loc	MRP - Ord #	Safety Stk	PO Lead	Cust #	OE Ord #	Par Item #	Org Ord #	PO Created Fg	PO Ord #
Byr Plnr: BAH																
Item #: COM1																
Component 1	P	Production (Demand)	3/28/14	80	-22	-295	CO	00000019	85.0000	5	000000000100	00000064	PAR	00000019		
Byr Plnr: CSM																
Item #: BRAVO																
Acer Bravo P90...	P	Production (Demand)	3/29/14	989	-22	626	CO	00000019	0.0000	5	000000000100	00000064	PAR	00000019		
Item #: COM2																
Component 2	P	Production (Demand)	3/28/14	99	-22	77	CO	00000020	0.0000	5	000000000100	00000064	SUB	00000019		
Item #: PAR																
Parent Item	M	Production (Replenishment)	3/31/14	10	22	34	CO	00000019	0.0000	0	000000000100	00000064		00000019		
	M	Customer (Demand)	4/1/14	10	-22	12	CO	00000064	0.0000	0	000000000100	00000064				
Item #: SUB																
Sub-Assembly	M	Production (Replenishment)	3/28/14	-99	22	-410	CO	00000020	0.0000	0	000000000100	00000064		00000019		
	M	Production (Demand)	3/29/14	-99	-22	-432	CO	00000019	0.0000	0	000000000100	00000064	PAR	00000019		

Please call our PULSE support desk us with questions and comments at

(513) 723-8095 or [Support@PULSEDashboard.com](mailto:Support@PULSEDashboard.com)

We encourage your phone calls with suggestions for making our software work better for your organization. We also offer custom modifications, but if your suggestions will be applicable to other users, they are made at no charge.

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