PULSE DASHBOARD™
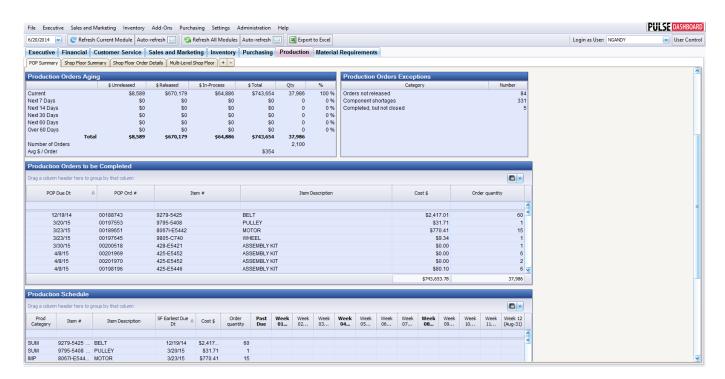## REALTIME DATA MANAGEMENT SUITE

Take charge of your business with PULSE Dashboard Reporting Software

<u>Production Module</u>

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 Production Control gives visibility on production not available elsewhere
- For both Macola® Production Order Processing (POP) and Shop Floor Control (SFC) methods of production
- Components Causing Shortages to pinpoint production orders due the next x days that have shortages
- Production Schedule to view week by week production scheduled over the next 12 weeks. Drill-down to view the details of each production order
- Production Aging report shows the dollar value and quantity of the backlog and in-process orders in weekly and monthly categories to better manage production
- Production Order Exceptions to view production orders not released and orders completed but not closed
- Production Orders to be Completed to view all past-due orders as well as orders to be completed
- Reported Production to view recently reported production and orders that may be set to completed
- Modify Macola® POP Orders to change Due Dates and Report Production on POP Orders

PULSE pinpoints raw material and component shortages

View raw materials and components needed for production orders with due dates over the next X days. Drill-down to view each production order and any replenishment orders and their dates.

Below, 192 Frames for past due orders are needed. Drill-down to view the underlying details to find 8 pending production and two pending purchase order receipts that will satisfy the demand. BUT the purchase orders will arrive too late to meet production due dates.

Components Causing Shortages

Drag a column header here to group by that column

Item #	Item Desc 1	Earliest Replenish	Earliest Request	Qty On Hand	Qty On Ord	Qty Allocated	Net Qty	Production (Demand) Orders Count	POP/PO (Replenish) Orders Count	Replenish On Time?
FREIGHT 6390	FREIGHT		05/01/08	0	0	21	-21	8	0	NO
FRAME 6390	FRAMES	07/01/08	05/01/08	0	192	21	171	8	2	NO
FREIGHT 6391	FREIGHT		05/05/08	0	0	53	-53	12	0	NO
FRAME 6391	FRAMES	07/01/08	05/05/08	0	416	53	147	12	1	NO
EW33FR	EDGE HOUSING		05/22/08	0	0	35	-35	6	0	NO
BACK-SEE SPEC	LABELS		05/22/08	0	0	4	-4	1	0	NO
POLYSH #308-CA	BUSHING	05/15/08	05/22/08	0	7	6	-5	1	1	NO
EW6FR	EDGE HOUSING		06/10/08	0	0	78	-78	5	0	NO
INS 24X24X1	SHIPPING CARTO...		06/10/08	0	0	56	-56	2	0	NO
INS24X24X1.5LBS	SHIPPING CARTO...		06/11/08	0	0	2	-2	1	0	NO
POLYRH 6315	BUSHING		06/14/08	0	0	2	-2	1	0	NO
INS 29X39	SHIPPING CARTO...		06/14/08	0	0	61	-61	16	0	NO
VELCRO	VELCRO		06/18/08	0	0	100	-100	1	0	NO
EW7FR	EDGE HOUSING		06/20/08	0	0	262	-262	9	0	NO
SELF-TIES	PACKAGING		06/20/08	0	0	60	-60	3	0	NO
SELF TIES/4	PACKAGING MATE...		06/20/08	0	0	40	-40	3	0	NO
POLYFG 6520	BUSHING	07/12/08	06/23/08	0	20	14	-10	2	1	NO

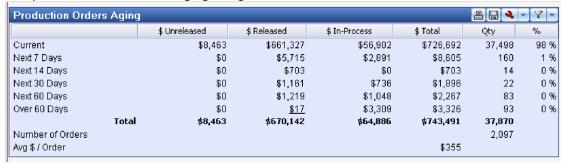| Ord Type	Ord Date	Ord #	Cus #	Par Item #	Demand/Replenish Date	Qty Demand/Replenish	New Qty On-Hand
Production (Demand)	04/22/08	00204629		6390-3251	05/01/08	-1	-1
Production (Demand)	04/29/08	00205933		6390-3091	05/08/08	-3	-4
Production (Demand)	05/09/08	00207937		6390-3090	05/16/08	-1	-5
Production (Demand)	05/14/08	00208732		6390-3090	05/23/08	-1	-6
Production (Demand)	05/27/08	00210626		6390-5439	06/05/08	-1	-7
Purchase (Replenishment)	07/01/08	01706400			07/01/08	50	43
Purchase (Replenishment)	04/30/08	01619600			07/10/08	142	185
Production (Demand)	06/12/08	00214422		6390-3089	07/14/08	-2	183
Production (Demand)	06/12/08	00214423		6390-3693	07/14/08	-3	180
Production (Demand)	06/12/08	00214424		6390-5425	07/14/08	-9	171

View the production schedule over the next 12 weeks

Conveniently view the production orders by week. Drill-down to view the details of each order. Make multiple copies of this screen to show the schedule for individual product lines.

Production Schedule

Drag a column header here to group by that column

Prod Cat	Item #	Item Desc 1	Earliest Due Dt	Cost $	Ord Qty	Past Due	Week 1 (Jun-20)	Week 2 (Jun-23)	Week 3 (Jun-30)	Week 4 (Jul-7)	Week 5 (Jul-14)	Week 6 (Jul-21)
SUM	6272S-48009	WHEEL	06/14/08	$2,621.18	49	49						
SUM	6690-5498	BELT	06/18/08	$5,714.88	100	100						
SUM	9845-54010	WHEEL	06/20/08	$728.33	60		8	30	22			
SUM	9846-54010	WHEEL	06/20/08	$1,714.94	66		8		14	18		26
SUM	6520-45310-0005	TURNTABLE MOTOR ...	06/23/08	$41.58	2			2				
SUM	6386-3091	TURNTABLE PULLEY ...	06/24/08	$95.23	3			3				
SUM	6392-3693	TURNTABLE PULLEY BE...	06/24/08	$1,627.63	12			6				
SUM	6273-3251	WHEEL	06/24/08	$567.99	10			4				6
SUM	6242-3251	PRODUCT LINE PAINTIN...	06/26/08	$595.19	36			2			16	18
SUM	6392-5420	TURNTABLE PULLEY BE...	06/26/08	$804.88	6			2		4		
SUM	6392-5435	TURNTABLE PULLEY BE...	06/26/08	$950.09	7			5		2		
SUM	9847-54010	WHEEL	06/26/08	$3,202.18	61			11		20	30	
SUM	9959-D843/5414	BELT	06/29/08	$464.96	48			48				
SUM	9959-D844	BELT	06/29/08	$186.86	20			20				
SUM	9787-D843/5414	POLISHING WHEEL ...	06/29/08	$43.89	5			5				
SUM	9788-D844	POLISHING WHEEL ...	06/29/08	$59.26	5			5				

View the cost value of existing and future production orders

Use this screen to assist in planning in-process and upcoming orders by showing the dollar value of inventory needed to complete these orders. The aging categories are user-defined.

Production Orders Aging

	$ Unreleased	$ Released	$ In-Process	$ Total	Qty	%
Current	$8,463	$661,327	$56,902	$726,692	37,498	98 %
Next 7 Days	$0	$5,715	$2,891	$8,605	160	1 %
Next 14 Days	$0	$703	$0	$703	14	0 %
Next 30 Days	$0	$1,161	$736	$1,896	22	0 %
Next 60 Days	$0	$1,219	$1,048	$2,267	83	0 %
Over 60 Days	$0	$17	$3,309	$3,326	93	0 %
Total	**$8,463**	**$670,142**	**$64,886**	**$743,491**	**37,870**	
Number of Orders					2,097	
Avg $ / Order				$355		

Production exceptions

Drill-down to view production orders not released, orders completed but not closed and all shortages.

Production Orders Exceptions

Category	Number
Orders not released	81
Component shortages	331
Completed, but not closed	5

Orders to be completed

Quickly view all past-due orders as well as orders to be completed this week. Optionally include unreleased as well a dependent orders.

Production Orders to be Completed

Drag a column header here to group by that column

Due Dt △	PP Ord #	Item #	Item Desc 1	Cost $	Ord Qty
05/01/08	00204629	6390-3251	TURNTABLE PULLEY BEL...	$332.18	2
05/02/08	00201369	009-E5442	WHEEL	$50.33	2
05/05/08	00203894	6391-5435	TURNTABLE PULLEY BEL...	$739.55	3
05/08/08	00205933	6390-3091	TURNTABLE PULLEY BEL...	$701.60	4
05/16/08	00207937	6390-3090	TURNTABLE PULLEY BEL...	$173.83	1
05/19/08	00207942	6391-3091	TURNTABLE PULLEY BEL...	$255.22	1
05/22/08	00205525	500-E5421	PRODUCT LINE ALPHA ...	$123.05	4
05/22/08	00205524	308-E5421	PULLEY ADAPTER	$363.39	6
05/22/08	00205523	223-E5421	WHEEL PROTECTOR ...	$87.80	6

Reported production

Conveniently view recently reported production.

Reported Production

Drag a column header here to group by that column

Trx Dt △	POP Ord Type	POP Ord #	Item #	Loc	Complete Fg	Production Reported Qty	Production Trx Reported Qty
12/3/13	P	25	PSEATASSY	MA	Y	10.00	3.00
12/3/13	P	33	PSEATASSY	MA	Y	20.00	2.00
1/9/14	P	76	HBASSY	MA		1.00	1.00
5/20/14	P	79	POP	MA		100.00	20.00
5/20/14	P	79	POP	MA	Y	100.00	80.00
5/20/14	P	80	POP	MA		100.00	30.00
5/20/14	P	80	POP	MA	Y	100.00	70.00
3/20/15	P	26	BIKEMP	MA		2.00	2.00
3/20/15	P	75	HBASSY	MA		1.00	1.00
							550.00

Shop Floor Detail View

When using the Macola® Shop Floor Control manufacturing method see complete Planned and Actual Cost/Quantity/Hours information on all Operations, Materials and Outside Processes of each Shop Order.

Shop Floor All Order Details View

Order Header

SF Ord # △	Production Ord Status	Comp Avail?	SF Top Level Ord?	SF Bottom Level Ord?	Item #	Item Desc 1	Production Ord Qty	Ord Dt	Start Dt	SF Start Dt	SF Created Dt	SF Last Act Dt	SF Due Dt
69	R	N	Y	N	BIKEAS	ADVENTURE BIKE, LW, BLACK	1	12/23/...		12/23/14	12/23/14		12/23/14
70	G	?	N	Y	SSEATASSY	ADVENTURE BIKE SEAT ASSEMBLY	1	12/23/...		12/23/14	12/26/14		12/23/14
71	R	N	Y	Y	BIKESF	SPECIALITY BIKE, WOMEN, BLACK	2	12/23/...		12/23/14	12/26/14		12/27/14
72	R	N	Y	N	BIKEPS	SUSPENSION BIKE, LW, BLACK	1	6/23/15	8/19/19	6/15/15	6/23/15		6/23/15
73	G	?	N	Y	SSEATASSY	ADVENTURE BIKE SEAT ASSEMBLY	1	6/23/15	8/19/19	6/15/15	6/23/15		6/15/15
75	S	N	Y	Y	PAR	PARENT ITEM	10	2/15/16		9/2/16	2/15/16	5/27/16	9/15/16
							2,394						

72 - Summary

	Sale Amount $	Labor	Fixed Overhead	Var Overhead	Components	Outside Opers	Setup	Total Cost $	Gross Profit $
Planned	$20,930.00	$369.75	$77.65	$73.95	$631.87	$0.00	$0.00	$1,153.22	$4,784.92
Actual	$20,930.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$20,930.00

72 - Order Details

Operations Routing | Bill of Material Components | Outside Operations

Oper #	Dept	SFD Work Center	SFD Desc 1	Plan Hours	Setup Std Labor Hr	Std Labor Hr	Acc Act Hr	Plan Var Burden	Act Var Burden	Plan Fix Burden	Act Fix Burden	SF Plan Unit Cost $	SF Plan Total Cost $	SF Plan Mat Cost $	SF Act Mat Cost $	SF Act Total Cost $	SF Complete Qty
10	DEPT...	WC1	Cut and Finish ...	9.0	0.000000	3.000000	0.0	$21.60	$0.00	$22.68	$0.00	$1,153.22	$1,153.22	$108.00	$0.00	$0.00	0
20	DEPT...	WC1	Weld	1.5	0.000000	1.500000	0.0	$4.50	$0.00	$4.73	$0.00	$1,153.22	$1,153.22	$22.50	$0.00	$0.00	0
30	DEPT...	WC1	Thread	2.8	0.000000	2.750000	0.0	$8.25	$0.00	$8.66	$0.00	$1,153.22	$1,153.22	$41.25	$0.00	$0.00	0
40	DEPT...	WC1.A	Prime	3.0	0.000000	3.000000	0.0	$9.00	$0.00	$9.45	$0.00	$1,153.22	$1,153.22	$45.00	$0.00	$0.00	0
50	DEPT...	WC1.B	Paint	4.0	0.000000	4.000000	0.0	$12.00	$0.00	$12.60	$0.00	$1,153.22	$1,153.22	$60.00	$0.00	$0.00	0
60	DEPT...	WC2	Assembly ...	3.0	0.000000	3.000000	0.0	$7.20	$0.00	$7.56	$0.00	$1,153.22	$1,153.22	$36.00	$0.00	$0.00	0
70	DEPT...	WC2.A	Final Assembly ...	2.5	0.000000	2.500000	0.0	$6.00	$0.00	$6.30	$0.00	$1,153.22	$1,153.22	$30.00	$0.00	$0.00	0
80	DEPT...	WC3	Inspection ...	1.5	0.000000	1.500000	0.0	$5.40	$0.00	$5.67	$0.00	$1,153.22	$1,153.22	$27.00	$0.00	$0.00	0

Please call our PULSE support desk us with questions and comments at
(513) 723-8095 or 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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