



PULSE Dashboard & Analytics adds value to your Macola® investment

- ## PULSE Production Control gives production visibility not available elsewhere

- Works with Production Order Processing (POP) and Shop Floor Control (SFC).
- Pinpoint component shortages that will disrupt production over the next X days.
- View your production schedule over the next 12 weeks with drill-down details.
- Production Aging report shows the dollar value by time period.
- Quickly view all past-due orders as well as orders to be completed.
- Modify POP due dates and report production on-the-fly.

Production Orders Aging							
	\$ Unreleased	\$ Released	\$ In-Process	\$ Total	Qty	%	
Current	\$8,589	\$670,179	\$64,886	\$743,654	37,986	100 %	
Next 7 Days	\$0	\$0	\$0	\$0	0	0 %	
Next 14 Days	\$0	\$0	\$0	\$0	0	0 %	
Next 30 Days	\$0	\$0	\$0	\$0	0	0 %	
Next 60 Days	\$0	\$0	\$0	\$0	0	0 %	
Over 60 Days	\$0	\$0	\$0	\$0	0	0 %	
Total	\$8,589	\$670,179	\$64,886	\$743,654	37,986		
Number of Orders					2,100		
Avg \$ / Order					\$354		

Production Orders Exceptions	
Category	Number
Orders not released	84
Component shortages	331
Completed, but not closed	5

PULSE pinpoints raw material and component shortages

View raw materials and components shortages over the next X days. Drill down to view each item's demand and replenishment orders.

Below, 192 Frames are needed. Drill down to view the underlying details to find 8 pending production orders 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 Δ	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	
POLY SH #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	
POLY RH 6315	BUSHING		06/14/08	0	0	2	-2	1	0	NO	
INS 24X39	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	
POLY FG 6520	BUSHING	07/12/08	06/23/08	0	20	14	-10	2	1	NO	

Ord Type Δ	Ord Date	Ord # Δ	Cus #	Par Item #	Demand/Replenish Date Δ	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 individual product line schedules.

Production Schedule												
Drag a column header here to group by that column												
Prod Cat	Item #	Item Desc 1	Earliest Due Dt Δ	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	62728-48009	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				

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 past-due orders and orders to be completed this week. Optionally include unreleased as well as 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	TURNABLE PULLEY BEL...	\$332.18	2
05/02/08	00201369	009-E5442	WHEEL	\$50.33	2
05/05/08	00203894	6391-5435	TURNABLE PULLEY BEL...	\$739.55	3
05/08/08	00205933	6390-3091	TURNABLE PULLEY BEL...	\$701.60	4
05/16/08	00207937	6390-3090	TURNABLE PULLEY BEL...	\$173.83	1
05/19/08	00207942	6391-3091	TURNABLE 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

Shop Floor Detail View

If you use the Shop Floor Control software, this screen pinpoints Planned versus Actual quantities, costs, and hours for each order's Operation, Materials, and Outside Processes.

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	12/23/14		12/23/14
71	R	N	Y	Y	BIKESF	SPECIALTY BIKE, WOMEN, BLACK	2	12/23/...		12/26/14	12/23/14		12/27/14
72	R	N	Y	N	BIKERS	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 RoutingBill of Material ComponentsOutside 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 \$
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
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
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
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
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
60 DEPT...	WC2	Assembly	...	3.0	0.000000	3.000000	0.0	\$7.20	\$0.00	\$7.55	\$0.00	\$1,153.22	\$1,153.22	\$36.00	\$0.00	\$0.00
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
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

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