



Oracle R12 Manufacturing Execution System (MES)

Learn what Oracles New Manufacturing Execution System Can Do For You...







MES for Discrete Control Demand-Driven Mfg with Integrated Shop Floor Execution

MES for Discrete Mfg

Operator

- Work from dispatch list
- Record transactions, quality info, work completion, and time
- View work instructions and component info
- Report production exceptions



MES for Discrete Mfg

Supervisor

- Work from dispatch list
- Record transactions, quality info, work completion, and time
- View work instructions and component info
- Report production exceptions

- ✓ Deliver Real-Time Shop Floor Visibility to Multiple Layers of Management
- ✓ Reduced TCO / Complexity via Integrated Mfg Mgmt & Production Execution







R12 Manufacturing Execution System

MES Administrator Set Up

Flexibility and Configurability

MES Operator Workstation

Improve Operator Productivity and Efficiency through the MES Workstation

MES Supervisor Workbench

 Achieve Better Visibility and Tighter Control through the MES Supervisor Workbench, which includes the Dashboard and Workstation







MES Administrator

Flexibility and Configurability

- Control UI layout, content, system behavior and security through 27 parameters
- Configure at several levels (Site, Role, Org, Dept)







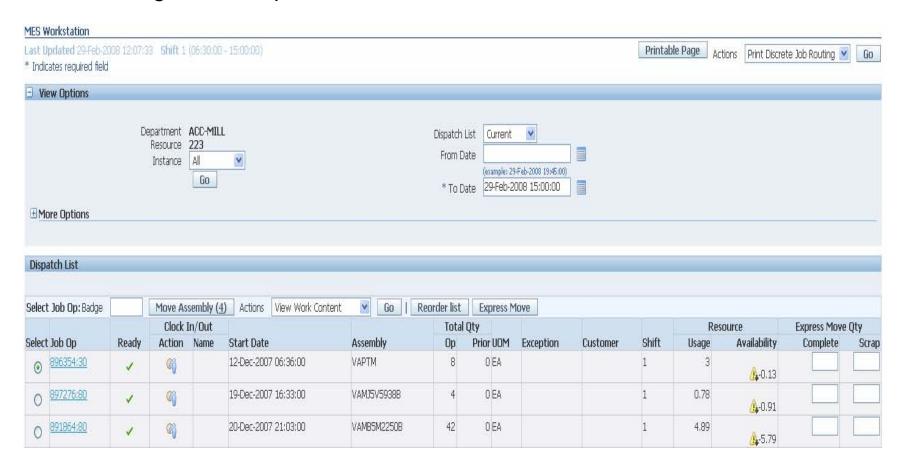
Improve Operator Productivity and Efficiency through the MES Operator Workstation

- Configurable Dispatch List Driven Execution
- Configurable Work Content and Sequential Display of Work Instructions
- Clock In/Clock Out for Actual Time Capture
- Streamlined Shop Floor Transaction Reporting
- Shop Floor Exception reporting





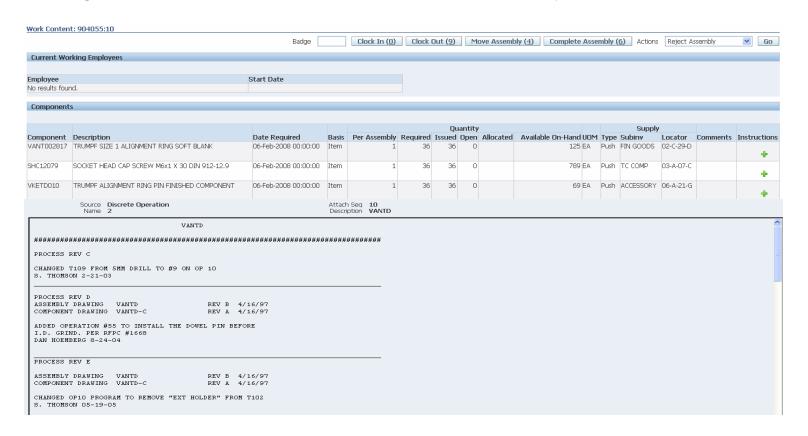
Configurable Dispatch List Driven Execution







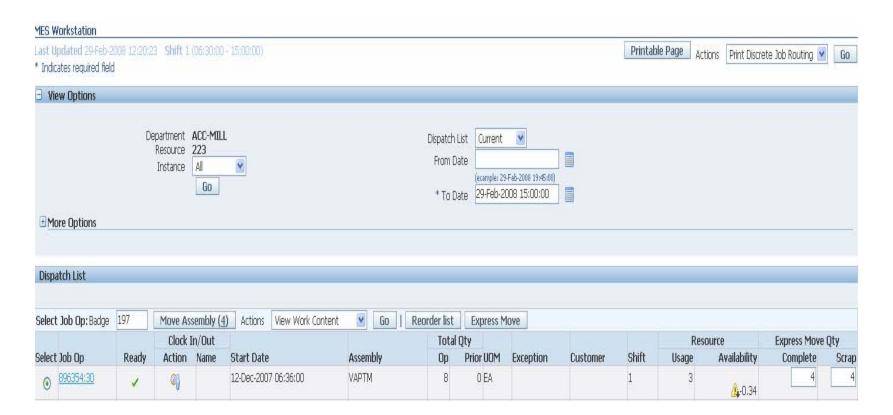
Configurable Work Content and Sequential Display of Work Instructions







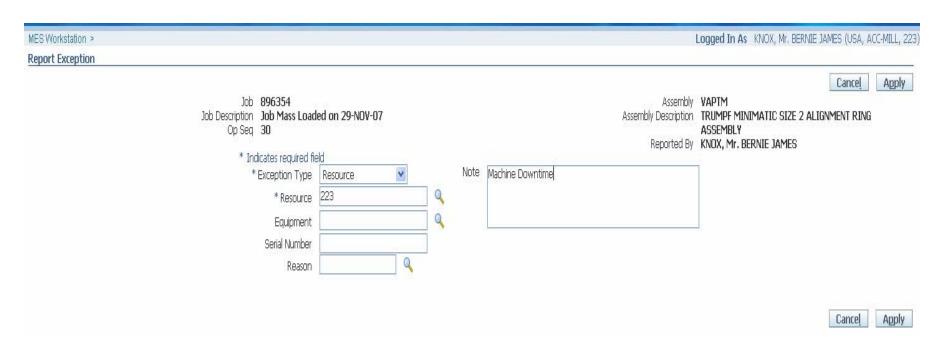
Streamlined Shop Floor Transaction Reporting







Shop Floor Exception reporting







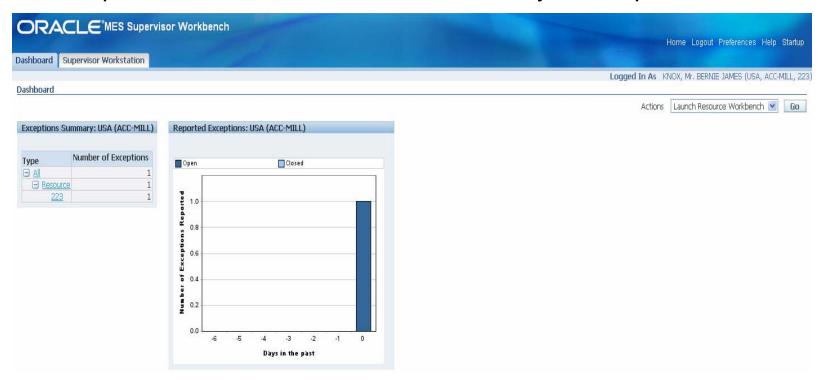
Achieve Better Visibility and Tighter Control through the MES Supervisor Workbench

- Supervisor Dashboard Provides Visibility to Shop Floor Status
- Exceptions Summary and Resolution Capabilities
- Anticipated Capacity or Resource Shortages
- Current Shop Floor State View





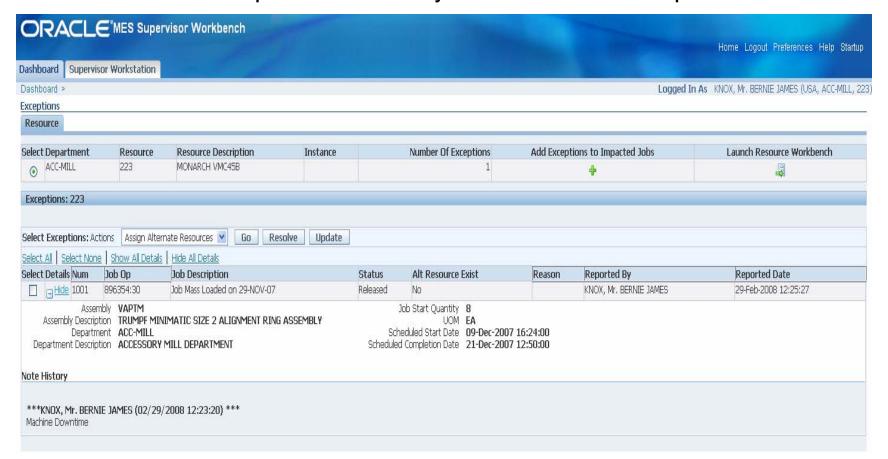
Supervisor Dashboard Provides Visibility to Shop Floor Status







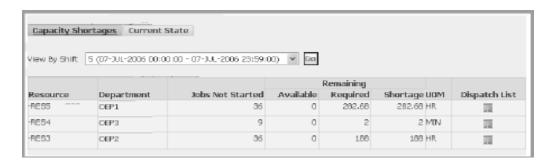
Dashboard Exceptions Summary and Resolution Capabilities







- Anticipated Capacity or Resource Shortages
- Current Shop Floor State View



Shopfloo	or Progress:	HWS (HM-WS-	DEP1)						
Capacity	Shortages	Current State	il .						
View All		✓ Go							
							⊗ Previous	1-10 🛩	Next 10 @
Resource	Department	Job Op	Assembly	Operator	Actual Start Date	Projected Completion Date	Qty Scrapped Qty	Rejected	Dispatch List
RES1	-DEP1	AS-WS-0621- 3:10	HM-WS-ASSYI	Workstation, Operators	24-Jun-2006 15:11:39	26-Jun-2006 08:00:00	3	0	76
RES1	-DEP1	HW-WS- J082:10	HM-WS-ASSYI	Workstation. Operator2	13-Jun-2006 17:05:07	09-Jul-2005 15:12:00	5	0	200
RES1	-DEP1	TS-WS- LOTJOB:20	HM-WS- LOTSERASSYL	Workstation, Operator1	30-Jun-2006 09:48:32		0	0	198
RESI.	DEF1	AS-WS- TS56901:10	HM-WS-ASSY1	Workstation, Operator2	27-Jun-2006 21:30:46	29-Jun-2006 12:42:00	2	2	190



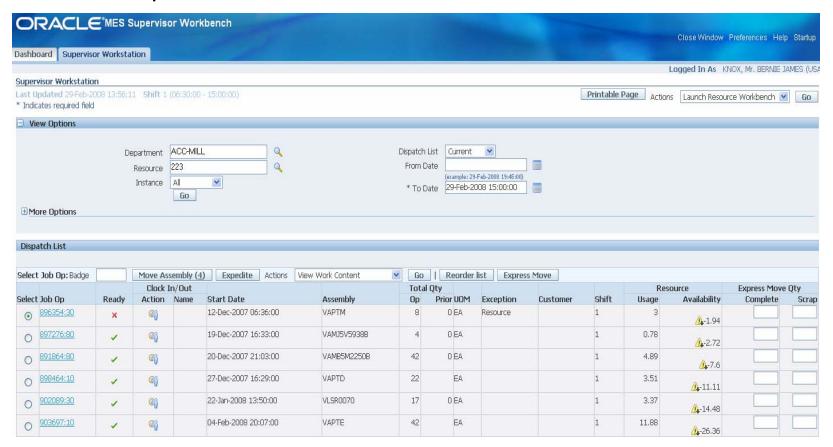


- MES Supervisor Workstation
- Expediting Jobs
- Reordering Dispatch Lists
- Reviewing Performance Metrics through DBI





MES Supervisor Workstation







Expediting Jobs and Reordering Dispatch Lists

Dashboard S	uperviso	r Workstation	
Supervisor Work	station >		
Reorder Dispat	ch List		
	. N. Carrier and William		
Job Operation	Expedite	Operation Start Date	
896354:30		12-Dec-2007 06:36:00	
897276:80		19-Dec-2007 16:33:00	
891864:80		20-Dec-2007 21:03:00	
898464:10		27-Dec-2007 16:29:00	
902089:30		22-Jan-2008 13:50:00	
903697:10		04-Feb-2008 20:07:00	
903347:30		05-Feb-2008 20:42:00	
904055:10		06-Feb-2008 19:56:00	
903699:10		07-Feb-2008 12:16:00	

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Dashbo	oard Superviso	r Worksta	tion			
	-					
777	isor Workstation	A STATE OF THE PARTY OF THE PAR	The Horsester		eth-co-unicode project	
	odated 29-Feb-20	08 13:56:1	1 Shift 1	(06:30:00	- 15:00:00)	
* Indic	ates required field					
□ Vie	w Options					
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			Resource	223		
			Instance	All	~	
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⊞ Mo	re Options					
Dispa	tch List					
Select	Job Op: Badge		Move As	sembly (4) Expedite	Actions
			Clock	In/Out	1 "	
Select	Job Op	Ready	Action	Name	Start Date	
•	<u>896354:30</u>	×	€ §		12-Dec-2007 06:	36:00





Reviewing Performance Metrics through DBI

⚠ Warning			
The following parameter value is not	valid for this dashboard or repo	rt: FII_GLOBAL1. The de	efault parameter value will be used instead: USD.
s Of Date 29-Feb-2008 Period We	ek 🔻 Compare To Prior P	eriod 🔻 Organi:	zation All V Currency
Manufacturing Management KPIs			
i dilai decal ing i dilagentene ni 13			
i land octaining i land germent in 20		Compare	e Organizations
	WTD	Compare Change Place curs	e Organizations or over data points to see values
Name	WTD -	Compare Change Place curs	e Organizations or over data points to see values N/A
Name Production To Plan	WTD -	Compare Change Place curs - -	or over data points to see values
Name Production To Plan Production Value	WTD -	Compare Change Place curs - - -	or over data points to see values N/A
Name Production To Plan Production Value On-Time Production	WTD	Compare Change Place curs - - -	or over data points to see values N/A N/A N/A N/A
Name Production To Plan Production Value On-Time Production Manufacturing Cost Variance	WTD	Compare Change Place curs - - - -	or over data points to see values N/A N/A N/A N/A N/A N/A
Name Production To Plan Production Value Dn-Time Production Manufacturing Cost Variance Material Usage Variance	WTD	Compare Change Place curs - - - - -	or over data points to see values N/A N/A N/A N/A N/A N/A N/A N/A N/A
Name Production To Plan Production Value On-Time Production Manufacturing Cost Variance Material Usage Variance Resource Utilization Resource Variance	WTD	Compare Change Place curs	or over data points to see values N/A N/A N/A N/A N/A N/A





R12 Manufacturing Execution System

Conclusion

- Integrated ERP/ MES System "One-Stop-Shop"
- Deeper Shop Floor Execution Capabilities
- Improved Productivity and Efficiency
- Enhanced Visibility into Shop Floor Process
- Proactive Exception Management
- Collaboration Between Management and Shop Floor





Q & A