DATA SHEET

Oracle Production Scheduling (PS)

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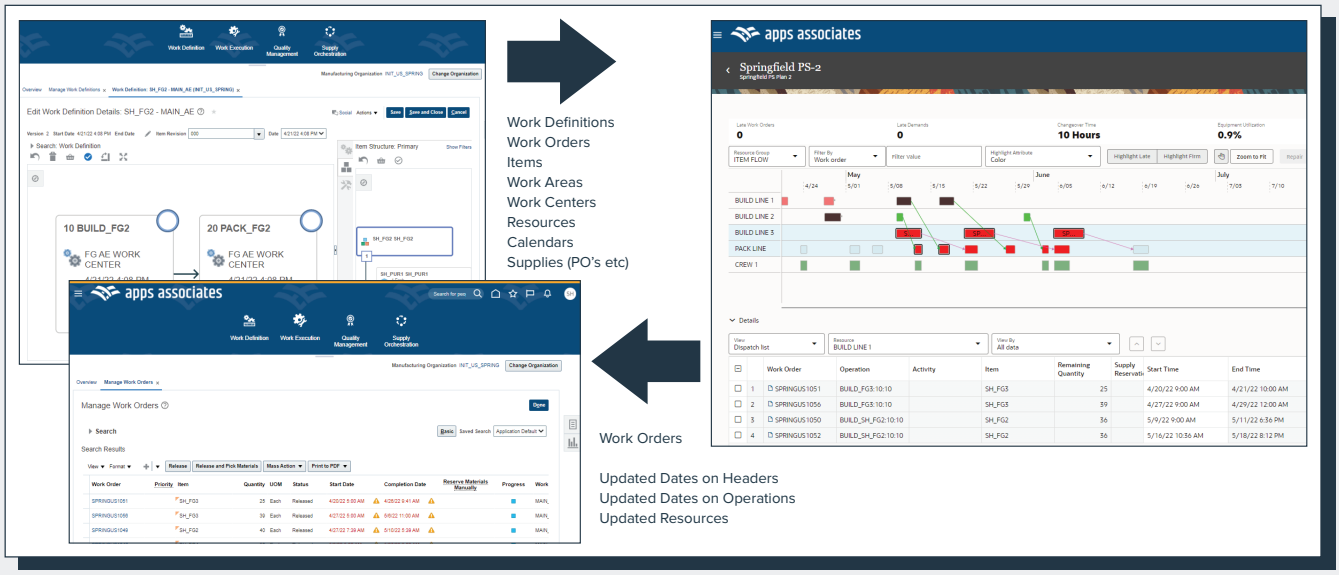
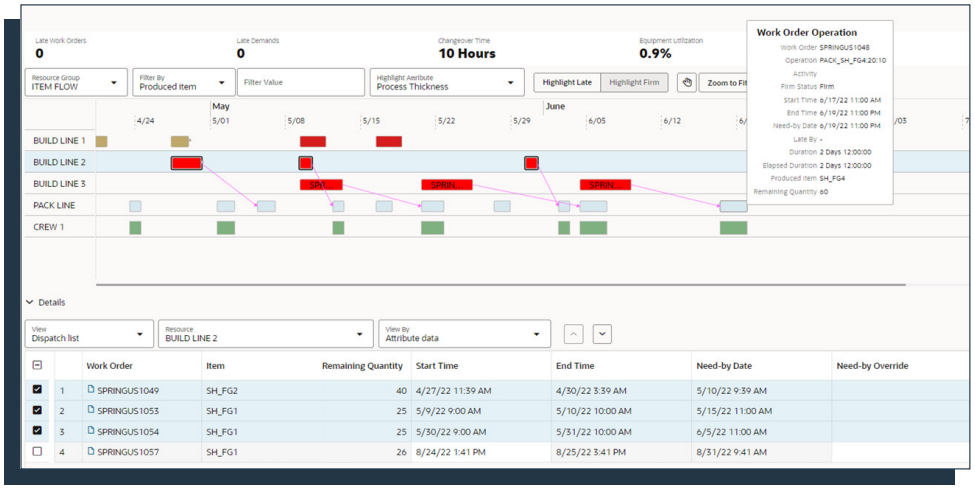
Manufacturing organizations looking to schedule their shop floors require a solution which takes into account many different types of constraints and also simultaneously provides control to the users to manipulate the schedule according to their needs.

Customers who have implemented Oracle Production Scheduling (PS) within their organization have seen increased manufacturing throughput (which helps translate into increased service levels), lower inventories and less time spent manually manipulating the production schedule as the system can automate the scheduling. PS is also integrated with Oracle Cloud SCM in near real time. This means reduced time manually figuring out work order placement and no manual data entry as you can create a schedule when it is needed!

PS integrates in near real time with the Oracle SCM Cloud to provide the flexibility to create a production schedule on demand based on the business process requirements of your facility. Your organization's manufacturing work definitions, resources, calendars, item structures, attributes and other key data are used when scheduling manufacturing work orders. Your organization's Oracle setup data forms are the basis of the constraints the system takes into account while scheduling work orders.

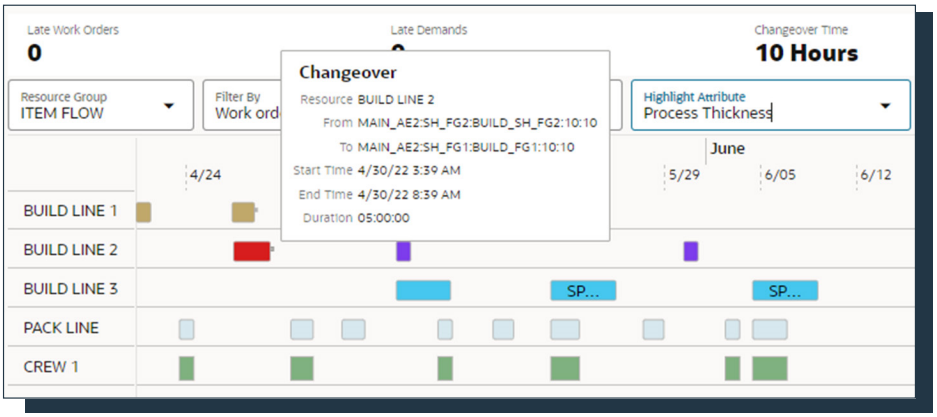


The following is a screen capture from the Oracle Gantt chart displaying a multi-stage manufacturing process where one of three build lines can feed a downstream packing operation.



PS provides core planning and scheduling features, constructs and constraints such as:

- Sophisticated solver technology to create capacity / material constrained schedules including resource capacity constraints, calendar constraints, material constraints, firming decisions and much more.
- Providing an attribute based ideal sequence framework to guide the engine when evaluating when and where work orders should be scheduled.
- Leveraging attributes for advanced analysis of the schedule (e.g. Assign colors to certain attributes for “at a glance” schedule evaluation.
- Ability to offload production to other resources either automatically or via drag and drop.
- Ability to drag and drop operations to different points in time.
- Ability to create multiple plans and then only release back to manufacturing which plan is suitable; this effectively puts you in “what if” mode until you decide to act upon the simulation.
- Pegging links to understand relationships across manufacturing stages.
- Visualization into changeovers and time lost due to these sequence dependent setups.



The application interfaces to SCM Manufacturing however it can also be leveraged for REST services to pull data from other data sources to augment missing data and manipulate the schedule.

About Apps Associates

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