

JDE Kitting Solution

What is it?

- Provides a means of managing the timing of purchases and kitting for work orders without using MRP



What is the problem?

- Maintenance organizations kit to make sure they have the parts
- BUT...
 - You often wish you hadn't kitted
 - Kits get "raided"
 - Scheduling around parts availability problems
 - Buying too many or too few parts
 - Want to delay purchases

Do you need it?

- If you want to:
 - Stop reacting to parts shortages
 - Improve equipment uptime
 - Get closer to having the “right” number of parts



What does it do?

- Delay kitting
- Ensures there is sufficient inventory
- Enables partial kitting
- Tracks incoming parts
- Provides workbench screen
 - Shows the impact of planned work orders on parts inventory
 - Prioritizes work orders for kitting



How do we do it?

- RMB enhancement of JDE
- Provide delayed commitments of parts
- Workbench to trigger parts commit
- Use Purchase Order Generator
- Workbench to trigger kitting



Why this approach?

- Industry standard tool for managing parts inventory
- Standard JDE availability needs enhancement
- MRP is too complex
- Easy to use tools



What are commitments?

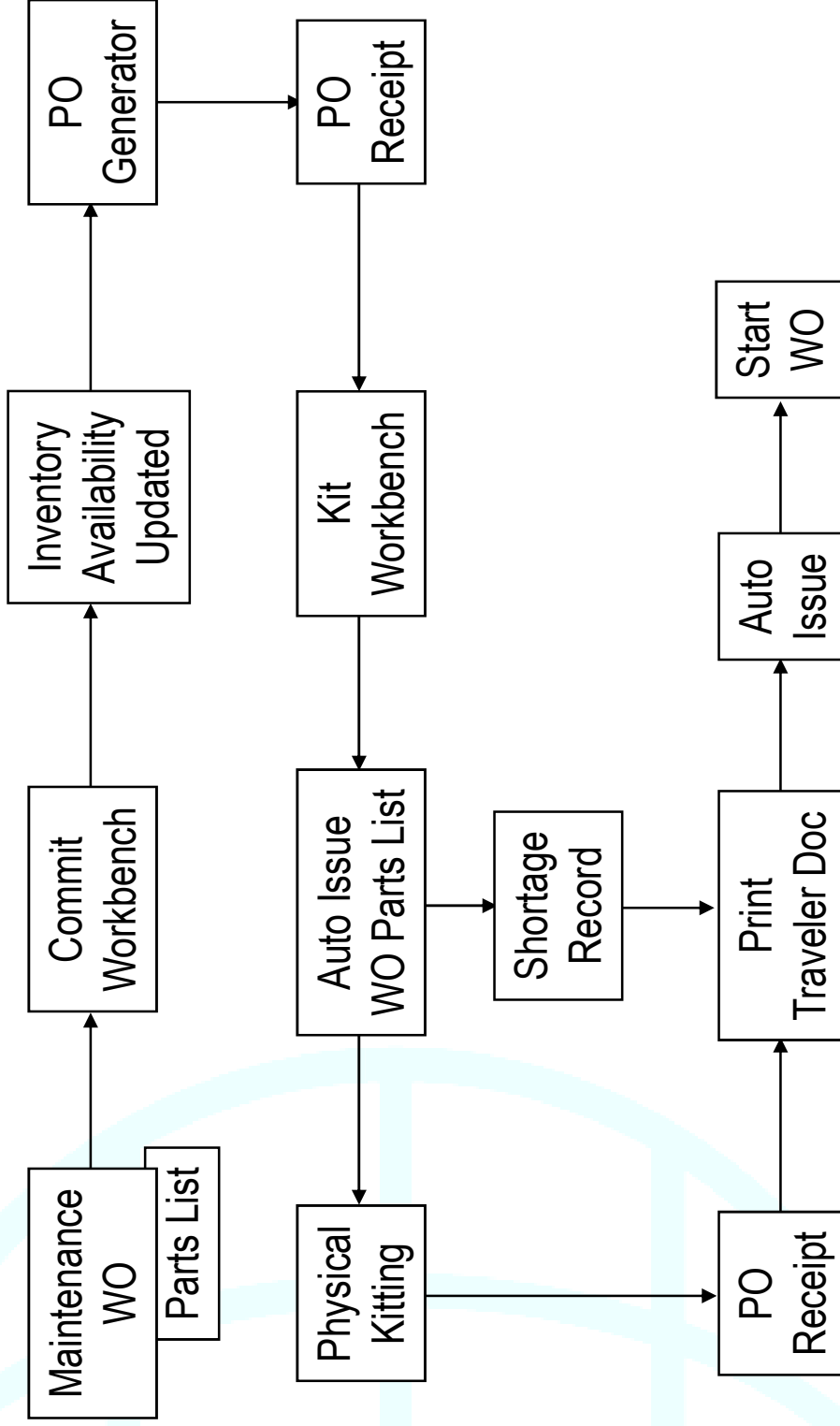
- Common pool of demand: commitments
- Common pool of supply: on-hand
- $OH + \text{Planned Receipts} - WO = \text{Available}$



How do you use commitments?

- PO Generator orders the full requirement to maintain availability
- All the inventory required is in house or on order but:
 - No hard allocations
 - No issues to cancel
 - Decide priority at issue time

The flow



The flow

- Work orders can be created manually or automatically
- Work orders are created in a “pre-commit” state
- Specific work order types can follow a conventional flow
- Parts are automatically issued from inventory
- Warehouse is automatically prompted to pick parts to create a kit

The flow

- If not enough parts are available at kit time:
 - Work order is automatically partially kitted
 - A shortage record is automatically created
- When a purchase order for the part is received:
 - Shortage record automatically causes a prompt to be generated on the receivers screen showing the work order needing the parts
 - A traveller document is automatically printed to go with the parts identifying the work order the parts belong to
 - Then the shortage record is automatically deleted

The flow

- Work order statuses are automatically changed with each step so:
 - They can be sorted easily
 - You know what's been done
 - Can provide manageable work lists for maintenance planners/schedulers

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For More Info

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