

# MIT S

## Order Processing and Management

Order Management tracks the quantity, status and location of inventory prior to the build process. Manufacturing can verify that a part is in the warehouse via barcode or RFID technology and locate the part prior to starting a build. Optimizing stock levels to create a balance between too much and too little, helps alleviate material and WIP values in the production facility. Knowing where the right parts are and having them ready when they are needed can greatly increase worker throughput. It can also help to eliminate partial assembly or repair jobs due to lack of parts at the assembly station. Effective logistics solutions can help with these challenges, allowing production manufacturing to operate quicker, more cost effectively and with higher product quality.



Sequenced part kitting operations remove the burden of correct part selection from the pressured environment of the production line, making assembly operations faster with fewer errors.



Order  
Processing  
and  
Management

### Real-World Applications

- **Paperless Kitting Screens**  
Electronic delivery of picking and kitting instructions.
- **Pick-to-Light**  
Providing a high-level of process security.
- **Pick by Voice**  
Allows for high level of variability and eliminates user error.
- **Sequence Cart and Reverse Sequence Picking**  
Optimal sequencing operations for line-side delivery.
- **Picking Path Optimization Tools**  
Reduced operator travel paths increase efficiency and eliminate waste.
- **Asset Tracking**  
Automated location services for storage and retrieval.
- **Material Stock Level Management**  
Automate stock re-order based on level and lead time.
- **Material Containment**  
Manage risk by controlling obsolete or faulty stock.
- **Inventory Optimization**  
Eliminate waste by controlling optimal material levels.
- **BOM Stock Check**  
Prevent “false starts” by confirming material stock levels before manufacturing begins.

### The DSI Advantage

To maximize the accuracy of order management operations, these instructions must be delivered in such a way as to effectively safeguard the integrity of the process. All repetitive tasks have the tendency to create “self-steering” behavior patterns which can lead to inaccuracy in picking operations. Additionally, with many manufacturing centers featuring large production “supermarkets”, clever sequencing of pick and place operations can significantly reduce the time required to kit orders. Our Order Management module can help reduce both forms of waste by automating the management of materials and WIP within the production facility.

### DSI DELIVERS

- ◆ Increased worker productivity.
- ◆ Higher quality - reduced rework.
- ◆ Higher worker satisfaction.
- ◆ Easier operator training resulting in reduced training cost.
- ◆ Reduced part damage due to excess handling.