

**WHAT NAVITRAK REAL-TIME MATERIAL PARTS VISIBILITY MEANS TO YOUR BUSINESS.**

- Improve time-to-value with fewer production line delays from parts shortages
- Decrease inventory cost by reducing the need for safety stock
- Tighten control over sub-assembly and sub-contracted parts deliveries
- Stop losing time finding missing parts or assets. You can re-deploy your workforce to more productive tasks
- Gain greater productivity and higher throughput

**NAVITRAK FEATURE HIGHLIGHTS**

- Complete record of current item location and movement history
- Fast inquiries to locate misplaced items
- Uniquely identified items, with their associated work orders, movements and status date-and time-stamped
- Numerous packaged and user-defined reports
- Web-based application—view your system anytime, anywhere

**ITEM TRACKING IN NAVITRAK**

NaviTrak provides real-time visibility for any item you need to track:

- **Parts and sub-assemblies** for your production line, tracked individually or by bin/tote
- **Finished goods** stored temporarily prior to shipment
- **Tools, moulds or dies** used on your production lines
- **Spare parts** used in maintenance and repair operations

# NaviTrak™

## Real-time Insight to Synchronize Materials to Manufacturing Operations



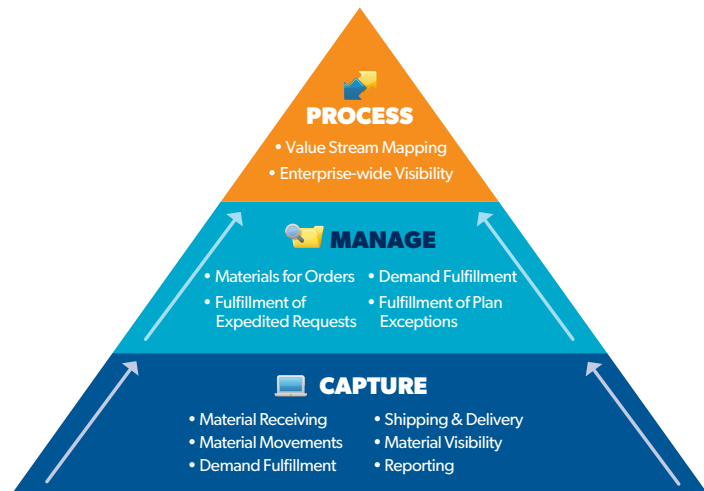
NaviTrak helps manufacturers manage and efficiently move and track materials and assets. It provides real-time item location and status to improve production efficiency, avoid costly delays and reduce safety stock.

**Track material item flow for higher output, quality and margins**

NaviTrak lets production workers expedite material flow and maintain high productivity by capturing, in real-time, parts movements in stores, in transit and on the shop floor. Production workers and managers can quickly solve logistics problems, or expedite materials to keep production lines running.

NaviTrak’s analytics will help map out your value streams, measure the performance of your logistics processes and lean them out where necessary.

NaviTrak can also integrate with ERP, MOM and Quality applications providing current and historical information to your enterprise systems to improve their effectiveness.



*NaviTrak provides real-time and historical item visibility to shop floor operations management and so that they can quickly respond to shortage or quality problems, optimize throughput and capacity utilization, and maximize product margins.*

## Capture and Track Items for Instant Visibility and Control

Users scan and track items into NaviTrak on the shop floor of your manufacturing facility during these operations:

- **Receiving** – Unique identifiers or serial numbers are assigned to each item or group of items. Bar codes, magnetic stripes, or RFID tags can be applied to identify each item.
- **Storage** – NaviTrak keeps track of the item's location for quick retrieval, including storing newly received raw materials inventory, sub-assemblies, finished goods and spare parts and tools/moulds/dies to be used for production at a later date.
- **Movement** – When items are moved from one location to another, NaviTrak captures the work orders item identifier, its new location and the user performing the move.
- **Shipping** – As each item is delivered, NaviTrak saves an audit trail of the move history for the order/item enabling the performance and accuracy of the logistics process be measured and reported.

## Visibility on Item Movement History Helps Users Optimize Production Throughput and Quality

Here are some of the ways NaviTrak users capitalize on the real-time and historical item data captured by NaviTrak.

- **Locate missing parts.** Production workers and managers quickly located misplaced items that would otherwise result in:
  - safety stock that drives up inventory costs
  - delays that slow a production line, postpone time-to value, erode customer satisfaction, lower asset/capacity utilization.
- **Quality control reports.** Produce a complete item history for quality analysis, improved customer service and regulatory reporting.
- **Integration with ERP and MOM systems.** NaviTrak's real-time shop floor data can be uploaded to other enterprise systems to improve their effectiveness.
- **Performance analysis and schedule adjustments.** Part status can provide alerts when production is off schedule triggering corrective action.

## Serenic Navi Products

### Offering Insight and Control for Manufacturing Operations

NaviTrak helps you monitor and manage your manufacturing operations solutions in real-time. Other Navi products:

- **NaviView™** rugged shop floor touch screen terminal, delivers secure access to enterprise systems using latest web technologies.
- **NaviNet™** captures shop floor data and delivers it real-time to manufacturing, ERP and enterprise applications.

Used individually or in combination, Serenic NaviTrak, NaviNet, NaviBridge products result in:

- **Higher productivity and throughput.** Fewer parts shortages, less downtime while locating parts and people, and ease of re-assignment to respond to changes in demand or supply.
- **Higher margins.** Lower inventory costs, higher efficiency, less waste.
- **Better quality.** Process standardization, parts compliance, and data for continuous improvement efforts.
- **Responsiveness.** Real-time data available to respond to change-orders, customer orders and supplier issues.
- **Better corporate information.** Accurate integrated data for ERP, performance reporting, job-costing, and payroll.
- **Accurate traceability.** Comprehensive support for parts audit trails and product genealogy.



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