Resource Tracking

InTrack™ 7.1

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PRODUCT DATA SHEET

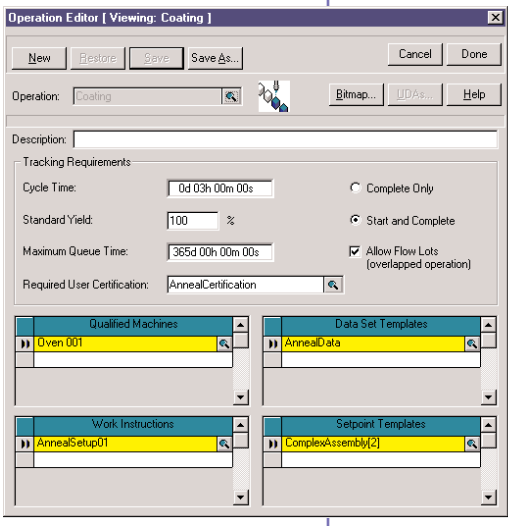
A powerful set of graphical application development tools for building client/server applications to monitor, manage, and improve production operations.

Product Position

Four years ago, Wonderware® introduced InTrack™ as the first Next-Generation Manufacturing Execution System (MES). With the release of version 7.1, InTrack sets an even higher standard for MES with superior levels of flexibility and robustness. The focus of InTrack continues to be on manufacturing resource tracking, Work-in-Progress, Inventory, Machines and Setpoints, and Quality Data. All of this functionality is integrated with our legendary ease of use. Applications built with InTrack increase the visibility of plant operational effectiveness, and help identify and track a manufacturing facility's Key Performance Indicators (KPI). Through its graphical modeling environment and ActiveX visualization controls, InTrack can be deployed in a wide variety of manufacturing situations to monitor and manage the production process. This makes InTrack the right choice for maximizing the effectiveness and efficiency of a manufacturing facility.

Applications

InTrack has been adopted as a standard in some of the world's leading manufacturing companies around the globe. These applications serve a wide range of vertical markets including automotive and automotive component manufacturing, medical devices, electronics, food and beverage, metals, fibers, and specialty materials. The bottom line is that these manufacturers demand excellence in their manufacturing sites and InTrack enables them to realize their goals.



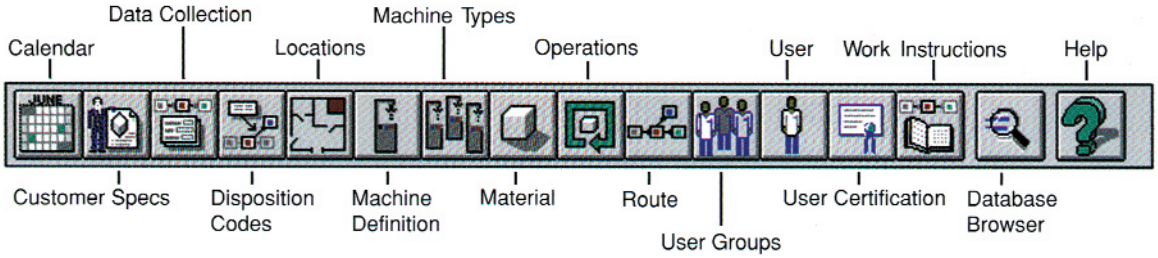
InTrack has been employed to help plants produce tens of thousands of disk drives per day. It has been used to manage the unit-specific production of cars and trucks on several continents. InTrack helps ensure the safe and efficient manufacture of contact lenses. It has been used to coordinate and manage the production of automobile parts in a plant with many different manufacturing processes. InTrack has been used to track the genealogy of railway tracks for high-speed trains. It has been used to help manage the manufacture of stamps, battery test strips and reflective traffic materials… to name a few.

Features and Benefits

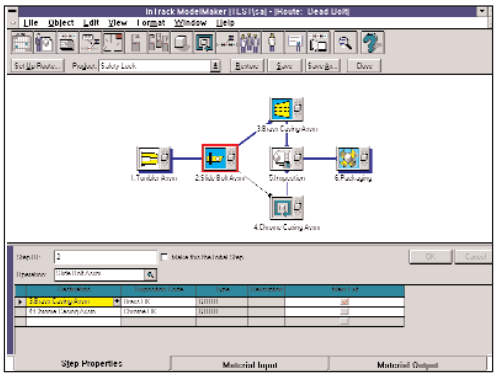
InTrack is designed to provide the most user-friendly tools to design and interact with a model-based manufacturing system. Whether your process is simple or complex, you can model it within ModelMaker, InTrack's fully visual graphical process modeler. InTrack offers a considerable amount of flexibility in the design and architecture of user interface.

InTrack's Integrated process model can link all facets of the manufacturing process together from raw material tracking and WIP tracking though machine usage and lot/part-specific data collection.

ModelMaker is a Graphical Modeling tool for defining and managing production/process models. ModelMaker provides a set of manufacturing objects that are defined

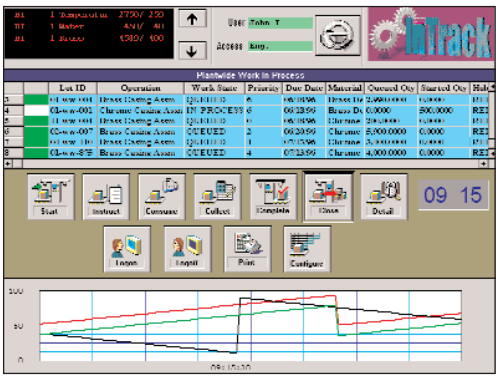


through object selection, option selection and minimal text entry for things like name and description. By graphically linking manufacturing objects, you can create a very sophisticated manufacturing model without programming.



InTrack's transaction engine is a Microsoft® COM-based Automation server, which facilitates application development and integration with external systems. This engine, driven by InTouch's powerful scripting engine, can be used to create an application that supports fully automatic, semi-automatic or manual transactions. The end result is an application that can be adapted to a particular facility's manufacturing process and is capable of generating a complete production history of a part or lot (who, what, when, where, why, and how).

InTrack includes a set of InTrack-specific ActiveX controls that enable fast and easy development and management of user interface applications. These controls, when dropped into InTouch®, provide a flexible array of standard functionality.

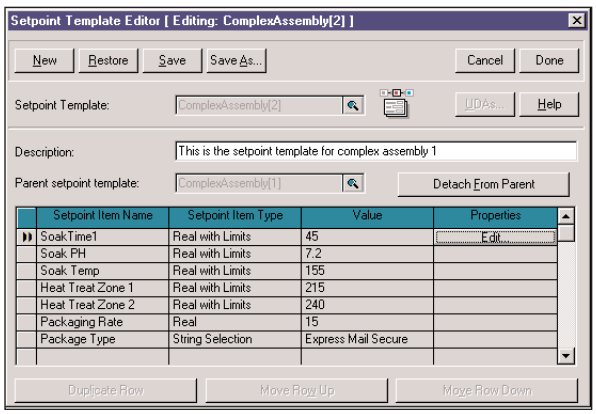


InTrack employs an open database design that simplifies the reporting and analysis of data. The data can reside on either Microsoft SQL Server® v7.0 or Oracle version 8.0 (Microsoft SQL Server v6.5 and Oracle v7.x also). This database schema is established automatically and contains the model information as well as the transactional data. While this model is optimized "out of the box," it is also extensible with ModelMaker's graphical configuration tools.

InTrack was the first MES product to support this architecture. It has been running in plants around the globe and has a proven track record with an installed base of over 200 applications.

All of this comes together in a package that results in:

- Reduced implementation time (many systems on-line in less than six months)
- Reduced total cost of ownership (development, deployment and maintenance)
- Increased understanding of factory-floor operations and dependencies
- Faster acceptance of the applications by plant-floor users with user-friendly interfaces
- Reduced capital expense through reduced WIP and inventory levels
- Improved yield and product quality by conformance to specifications and process improvement.

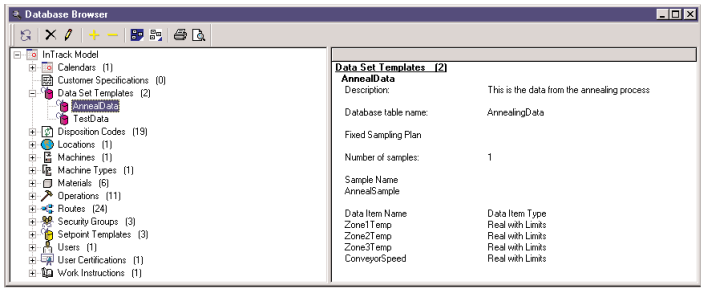


- Higher levels of customers service through faster response and order tracking
- Improved supply-chain interaction through better integration with external systems
- Increased accuracy of schedules due to accurate and timely plant floor data
- Reduced cost of compliance with regulatory agency and customer information requirements

Integration with FactorySuite 2000 Components

One of the key differentiating factors of InTrack as a Next-Generation MES is its integration with FactorySuite™. No other MES provider offers such a strong connection with other information sources on the factory floor. It is also the only MES product designed to be driven by real-time factory floor events.

Wonderware's I/O servers through InTouch provide the conduit for direct communication between plant-floor devices and the execution layer. InTouch applications provide a strong information broker for plant floor data. IndustrialSQL Server™ provides an excellent means of capturing and analyzing information from the manufacturing process. SPCPro can statistically analyze process indicators and variables. All of these tools capture information about the manufacturing process and InTrack provides the contextual link to organize and correlate this information with respect to plant operations and production data. The combination of InTrack with InSQL covers the manufacturing information requirements of the majority the world's manufacturers.



Connectivity

InTrack's database can be driven by Microsoft SQL Server versions 7.0 and version 6.5. InTrack also support Oracle's latest offering, version 8.0, as well as version 7.3. It communicates to the database layer using native database communication layers, although it also employs Microsoft's Active Data Objects (ADO) for some query functions.

InTrack was the first MES built using Microsoft's COM (Common Object Model), which greatly facilitates integration with other information systems. We have continued to enhance this Application Program Interface (API) to support tighter integration with Enterprise Resource Planning (ERP) systems. This also means that any COM-aware application development tools such as Microsoft's Visual Basic, can be used to develop InTrack applications.

Specifications

Hardware Required:

Client Machine: P133 with 32 MB of RAM and Network Adapter
(PII-200 with 64MB of RAM recommended)

Server Machine: P133 with 64MB of RAM and Network Adapter
(PII-200 with 128MB of RAM recommended)

O/S Required:

Client Machine: Windows NT 4.0 Workstation

Server Machine: Windows NT 4.0 Workstation or Server

Microsoft SQL Server version 6.5 or 7.0,
or Oracle version 7.x or 8.0 with SQLNet version 2.x

Network driver *(Requires Microsoft CAL per client)*

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