

SewTrac - For The Sewn Products Industry



Broad Overview

I. Real-Time Shop Floor Control System

- ⇒ Complete Work In Progress Tracking
- ⇒ Multiple User and Multiple Data Collection Terminals
- ⇒ Total Time Control and Attendance Data Reporting
- ⇒ Comprehensive Quality, Inspection and Repair Reporting

II. Automated Production Scheduling

- ⇒ Production Order Tracking- Front to Back
- ⇒ Accurate Processing Times Based on Multiple Determinants
- ⇒ Flexible with Excellent Compatability

Targeted Overview

Real-Time Functionality Includes:

- Extensive Operation Backlog Analysis by Department/Cut
- Support for either Bar-Coded or Radio Frequency Identification (RFID) Technologies for Employee or Production Bundle Tracking
- Data Collection Terminals may be Configured as:
 - ⇒ Individual Data Collection Devices
 - ⇒ Time Clocks
 - ⇒ Shared Devices (Each User Presses a Key Prior to Use)
 - ⇒ Multiple User Devices (Each Identifies Himself with an ID Card Prior to use)
 - ⇒ Team Devices (Shared by any Number of Users for Clocking and Production)
- Multi-Language Support with User Defined Dictionary
- Production Status by Cut/Bundle/Subassembly with Dates and Employees Performing Operations
- Comprehensive Quality-Inspection, Mechanic-Repair Subsystem
- Motivational Feedback (e.g. Efficiency, Earnings, Bundles/Pieces Done) to Sewing Operations
- Clocking In and Out at Employee Workstation
- Control of Scrolling Signs for Display of Team or Department Production Statistics
- Control of Buzzers/Bells for Shift, Lunch, Break Start and Stop
- Pacing for Operator Selected Efficiency
- Team Production Support
- Low Cost Network of Barcode, and Data Collection Terminals
- Clocking On and Off Standard at Employee Work Station

Real-Time Technical Features:

- Runs on any Windows 32-bit LAN Server Commonly found in most Offices (eg. Windows 98/NT-2000/XP)
- More than one Dozen Real-time Display Screens including Monitoring Bar Charts, Repair Log Displays and Bi-Hourly Screens

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Automated Production Scheduling



Quality Solutions Gone Full Circle

SewTrac

Automated Production Scheduling

Scheduling Functionality Includes:

- Total Flexibility in Methods Used-- Such as:
 - ⇒ Forward and Backward Scheduling
 - ⇒ Fixed or Rated Based Outputs
 - ⇒ Overlapping and Parallel Operations
 - ⇒ Operations in Series
 - ⇒ Optional/Mandatory Shopfloor Feedback
- Production Orders are Launched, Bar-Coded, Tracked and Produced
- Reservations of Materials and Capacities are Calculated
- Provides Data-Based Availability on Expected Quantities
- Work Orders are Created Based on Finite or Infinite Capacity
- Accurately Predicts Processing Times Based on:
 - ⇒ Set-up Times
 - ⇒ Average Run Lengths
 - ⇒ Job Order Quantity
 - ⇒ Extension/Contraction
 - ⇒ Machine Efficiency
 - ⇒ Reprocessing
- Excellent Compatibility with most Monitoring and Control Systems available Today
- All Activity Scheduling
- Excellent for Managing Orders involving Multi-Article or Multi-Batch Production
- Planner Now Schedules:
 - ⇒ On Time
 - ⇒ Minimizes Work
 - ⇒ Minimizes Set-Up
 - ⇒ On Optimal Reserve

Automated Scheduling Technical Features:

- ▶ Resident Engine with Synchronization and Scheduling Algorithms
- ▶ Color Coded, "Drag and Drop" with Auto Sequencing Functionality
- ▶ Interfaced for Two-Way Communication to the Host ERP System
- ▶ Two Formatted Reporting (HTML or MS Excel) Producing Three Types of Reports--Dynamic and Fixed, Schedule Reports, and Bin Extraction Reporting