

ASAP'S VISION

ASAP Automation is dedicated to creating advanced information systems for the automation of Supply Chain Logistics. The innovative software products developed help companies throughout the world better compete in their individual markets and implement their strategic business goals.



Our Strength is Our People



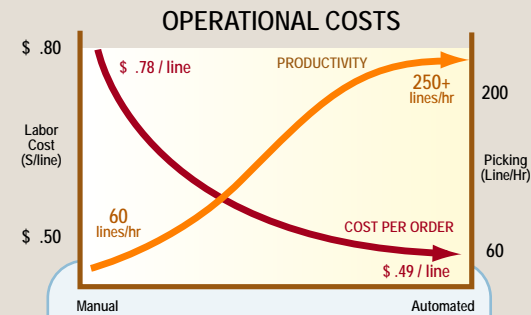
Our Vision

ASAP Automation succeeds in using advanced technologies to help customers execute their strategic business goals. Success through control of material flow, information flow, and operational procedures yields substantial competitive advantages. Our integrated Supply Chain Execution (SCE) software and material handling systems reduce total costs for order fulfillment and the cycle times necessary to receive their product. We greatly enjoy our work and feel that our efforts are instrumental in making businesses stronger and more competitive in world markets.



Our Strength

Our strength is our people. As a reliable and ethical company, ASAP is fully committed to serving your company. Our customers' satisfaction level is reflected in the 80% repeat business we receive. As a Supply Chain Execution Software provider, ASAP can independently assemble the right expertise and technology to meet your needs. We invest over 15% of our annual revenues in Research & Development to give you a competitive advantage. Our strong desire is to help you meet your strategic business objectives thereby yielding greater profitability.



Measurable Results

- Enhanced Customer Service Levels
- World Class Order Picking and Shipping Accuracy
- Reduced Labor Requirements
- ROI Goals Achieved
- Greater Profits
- Quick Scalability for Seasonal or High Growth Business
- Compressed Order Cycle Time
- Reduced Shipping and Handling Costs
- Enhanced Order Fulfillment Rates
- "Event Based" Performance Visibility
- Reduced Chargebacks From Major Customers (Compliance Labeling, EDI)
- Detailed Activity Tracking of Each Operator and Product Movement
- Reduced Overall Supply Chain Costs



Technology Expertise

ASAP Automation is one of the few companies to integrate SCE software with advanced automation technologies. This allows "real time" feedback from conveyor container routing systems and various storage media to the WMS making the most efficient use of your operators' time. We fully utilize Web-services for XML based business connectivity. Our software has the ability to be deployed in ASP (Application Service Provider) modules for cost reduction. We have proven interfaces with the major Tier 1 and Mid-Tier ERP providers for quick implementations.



Industry Vertical Experience

- Apparel
- Automotive
- Catalog and eCommerce
- Electronics
- Food and Beverage
- MRO
- Pharmaceutical
- Retail
- Transportation and Postal
- 3rd Party Logistics (3PL)
- Maintenance Facilities
- Publishing/Entertainment



Our Clients*

- | | |
|------------------------|--|
| Amtrak | Lawson Products |
| Avaya Communications | Lucent Technologies |
| Celestica | Merck Pharmaceuticals |
| Clayton Marcus | Metro Transport Authority
(City of Los Angeles) |
| Covance | Motorola |
| CVS/Pharmacy | MSC Supply |
| Dickson's | Navarre |
| Drs. Fosters & Smith | ParMed Pharmaceuticals |
| Eli Lilly & Co. | Roche Diagnostics |
| Forest Pharmaceuticals | S&S Cycle |
| Archway | Shaklee |
| Galyan's | Spartan Graphics |
| General Electric | Tone's Spices |
| Hale Groves | Thor-Lo |
| Houston Johnson | Unique Industries |
| Jack of All Games | Zimmer |
| Kerr Plastics | |
| King's Hawaiian Bakery | |

* partial list



PROFESSIONAL SERVICES

Our clients often ask us to perform the upfront engineering and feasibility studies. This allows a ROI analysis on the top two to three preferred layouts and corresponding operational models. With simulation studies and product profile analysis, ASAP can ensure the final system will meet your business objectives. Once your system is up and running, ASAP offers exceptional operational support to maximize your labor efficiency and system throughput. ASAP also prides itself on its 24/7 Call Center which quickly resolves any issues that might arise.

From Concept to Completion



Engineering Studies

ASAP presents various design alternatives with the associated costs and benefits allowing you to quickly determine the right system specifications for your specific needs. Engineering studies often include:

- 3D CAD Facility Layouts
- Simulation
- Slotting and Profile Analysis
- Software Functional Specification Documents
- Equipment Bill of Materials
- Required Capital Expenditures
- ROI Analysis
- Engineered Labor Standards



Functional Specifications

Functional Specification Documents (FSD's) detail all critical specifics of a system's operations and functionality of how the software will function. These documents serve as the "blue-print" ensuring that ASAP meets your expectations. Typical FSD's include:

- Host Interfaces (Import / Export)
- Operational Work Flow
- Wave or Batch Order Processing Algorithms
- Label and Documentation Requirements
- Network Layout
- Minimum Hardware Requirements



Customization of Software Modules

ASAP regularly leverages the tremendous configurability of our standard Exacta® software modules. Often there are unique business needs requiring software customizations to meet your specific business processes. Typical customizations include order processing logic and methods for automated order routing.



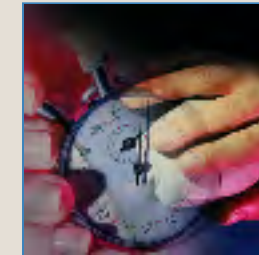
MHCS Design

ASAP's Material Handling Controls System (MHCS) is designed to take advantage of integrating the most advanced material handling equipment available into your system. This could include: Conveyors, Robotics, Pick-to-Light, In-line Scales, Carousels, Sortation, etc. Our MHCS module incorporates the latest PC and PLC based controls technology. ASAP uses extensive Human Machine Interfaces (HMI's) allowing your supervisors maximum "real time" system visibility.



Project Management

The timely execution of your project is critical to meeting financial ROI. ASAP prides itself on the strength of its project management team. We learn your business and hit the start-up date while exceeding your expectations. We follow extensive protocols and defined processes developed through years of experience to mitigate risk and get the project completed on time. We include your project manager each step of the way to ensure the system meets your business objectives.



Training

One of the most critical areas for success that is often overlooked is the training of operators and supervisors. The value of advanced technologies is quickly diminished if the training program is not effective. ASAP has specialists in adult education making sure your personnel learn how to use your system effectively. We use a combination of class room, "hands-on", web-based "online" help, and traditional coaching to make sure your team is comfortable and efficient in their new roles.



Operational Support

Once the system is operational, many of our clients request additional operational support to refine "Standard Operating Procedures", define labor "Engineered Standards", and improve system throughput. As a function of our extensive experience in commissioning systems, we can serve as a catalyst to get your production volume to designed levels faster. This helps you reduce the payback period for the initial capital expenditure.



Customer Support Program

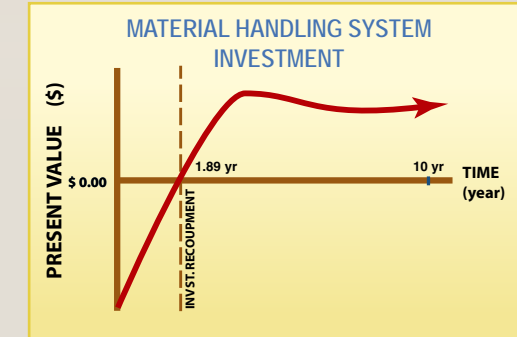
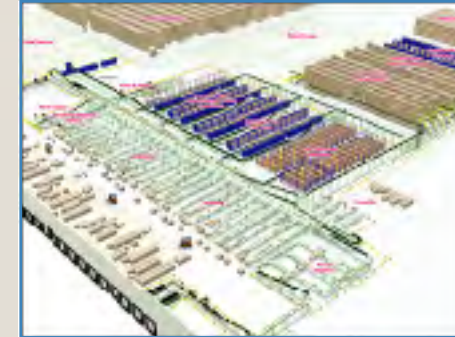
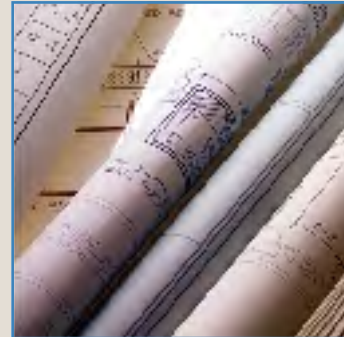
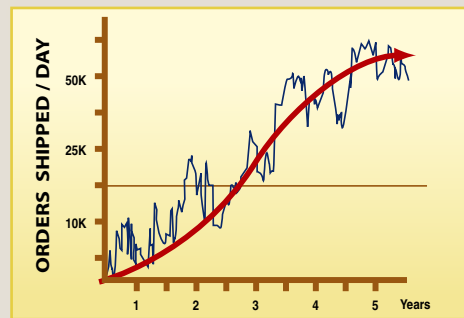
Our Customer Support Program includes:

- 24/7/365 Call Center Support
- The first year of support is included FREE
- "Customer Care" Intranet for tracking outstanding issues
- Dial-up or VPN access for remote trouble shooting
- Remote Web Based Cameras for capturing issues and resolving them

ENGINEERING STUDIES

ASAP has several years of practical experience working with clients to specify the optimum system to meet their strategic business goals. We leverage a proven "5 Stage Methodology" ensuring we help you meet World Class Standards in overall operations. At ASAP, we stand behind our recommendations in the form of system "guarantees" on performance metrics and return on investment.

Engineering Tomorrow's Solutions Today...



Stage 1: Project Initialization

- Management Design Goals
- 3 to 5 Year Volume Projections
- Project Team Selection
- Critical Success Factors
- Data Requirements

Stage 2: Current System Assessment

- Current System Layout and Material Flow Diagram
- Information Flow Diagram
- Interview Operators, Supervisors, and Key Stake Holders
- Known Areas for Improvement
- Current Operational Procedures and Constraints

Stage 3: Concepting

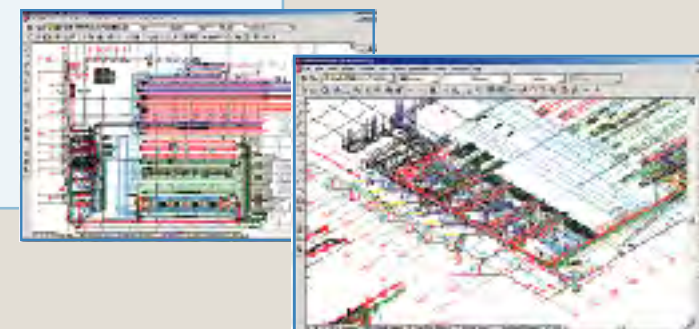
- Confirm Design Parameters and Assumptions
- Prepare Conceptual Layouts and Alternatives for Levels of Automation
- Review Capital Requirements for Alternatives
- Manning Requirements
- System Throughput Constraints and Scalability

Stage 4: Recommended System Model

- Simulation to Verify Material Flow and Manning Levels
- Slotting and Profile Analysis to Select the Appropriate Automation Equipment
- Recommended Information System Architecture
- Description of Operations

Stage 5: Final Report

- 3D CAD Layout (Floor Space and Storage Requirements)
- Capital Requirements
- General Description of All Equipment (Bill of Materials)
- Return on Investment Analysis
- Implementation Plan
- System Rendering with Panoramic Views
- Optional Request for Quote (RFQ) for Vendor Bidding



SIMULATION

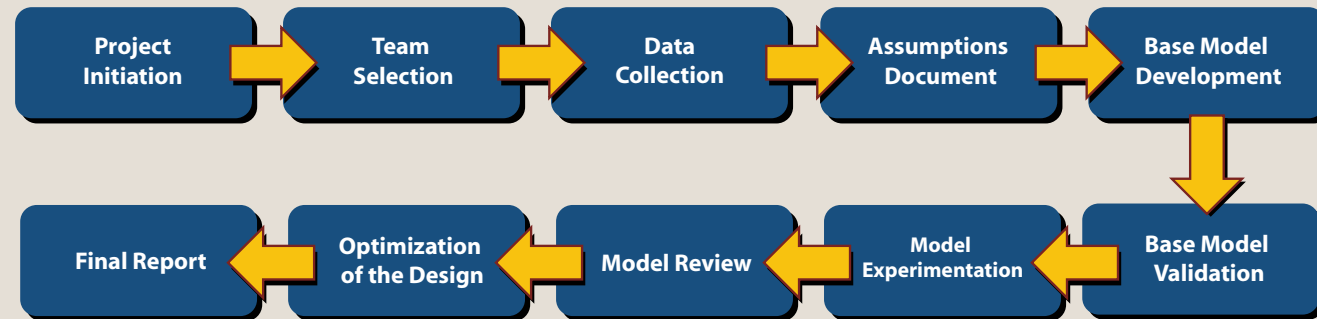
ASAP strongly recommends a simulation study to verify system performance where complex or highly variable material flows and manning requirements are involved. With today's advanced simulation tools, it makes sense to confirm your system model before spending thousands or millions of dollars in capital. ASAP has several highly trained simulation engineers to work with your team and

confirm various operational methodologies. ASAP uses Automod as a simulation tool which is unsurpassed for the design, analysis, and emulation of complex systems. AutoMod combines Virtual Reality (VR) graphics with a flexible powerful discrete and continuous simulation environment.

SLOTTING & PROFILE ANALYSIS

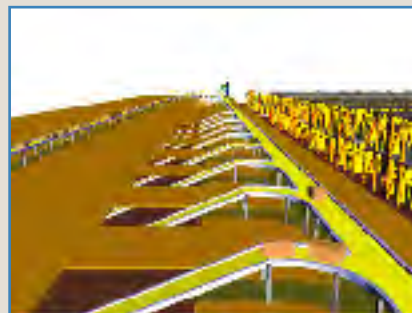
Exacta® Profile™ optimizes warehouses by defining optimal layouts for products within storage and picking locations (SKU Profile) based on several "cube-density" factors. Exacta® Profile™ intelligently considers such factors as product movement, seasonality and cost impact to the operation. This analysis helps select the appropriate storage and picking equipment or optimizes your existing equipment to minimize costs.

SIMULATION PROCESS:

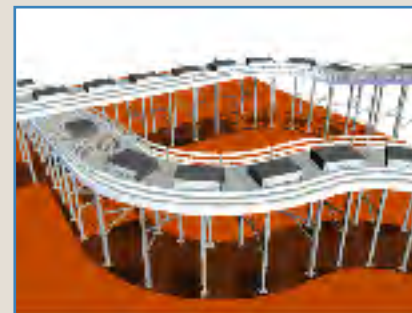


Simulation Benefits:

- Ensures that the system will meet strategic business goals
- Validates the recommended system design
- Uses your actual order data to verify system throughput
- Provides an in-depth understanding of your business operations
- Allows optimal equipment configuration
- Presents informed decisions of how much equipment to purchase
- Identifies system bottlenecks
- Tests various operational methodologies
- Ability to ask "what if?" questions to enhance system performance
- Allows the evaluation of system design changes against a baseline
- Verifies system manning requirements



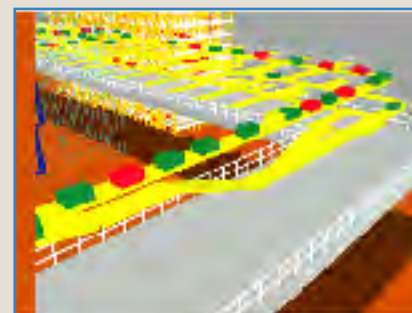
Tests various operational methodologies



Ensures system will meet strategic business goals

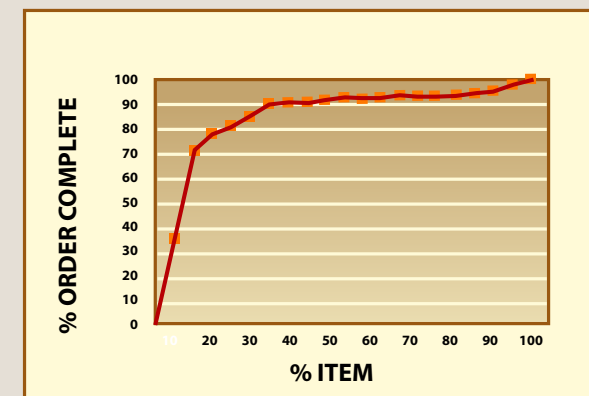


Allows the evaluation of system design



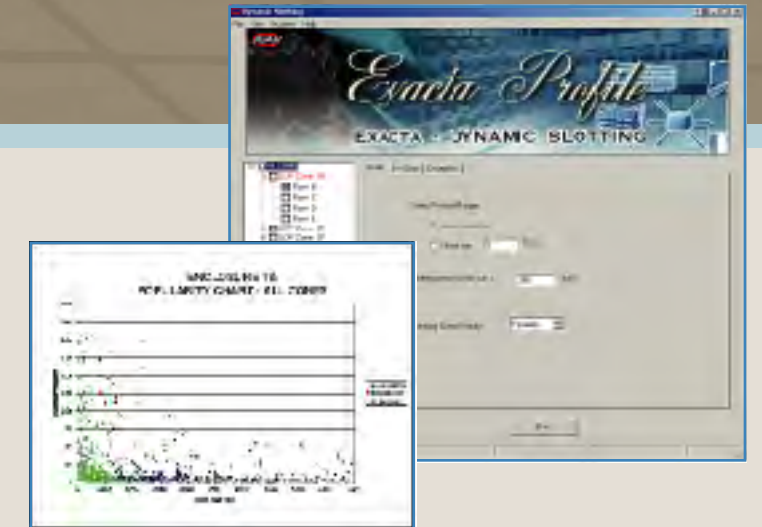
Allows optimal equipment configuration

EXACTA® PROFILE™



Exacta® Profile™ Functionality:

- Filters the analysis by specific Products, Locations, or Order Types
- Consolidates like SKU's to provide better cube utilization of storage locations
- Places high velocity products in "Golden" zones for ergonomic picking
- Considers seasonal and promotional product profiles
- Evaluates unique product attributes: Lot Control, Temperature Requirements, ORM-D (Hazardous Materials), Conveyability, etc.
- Allows slotting by multiple "Units of Measure": Pallet, Case, Split Case, Eaches
- Supervisory review and approval of recommended product movements



Slotting & Profile Analysis Benefits:

- **Increased Productivity** - Warehouse travel time represents the single most significant productivity impairment to any picking operation. Proper slotting optimizes productivity by storing the most frequently picked items in prime locations within the facility.
- **Improved Space Utilization (Cube Management)** - Common inefficient storage practices, such as using fixed product locations or keeping safety stock on hand, can reduce your storage space by 50%. Exacta's® highly flexible Cube Management functionality eliminates these common inefficiencies by establishing Dynamic Storage Locations.
- **Lower Inventory Carrying Costs** - An additional benefit of conducting slotting analysis is realizing lower inventory carrying costs.
- **Improves Customer Service** - Increased productivity results in faster order cycle times, and faster order cycle times result in satisfied customers.