Maximize the profit potential of every job!

According to the Harvard Business Review, most businesses deliver less than two thirds of their strategic performance potential and the causes of this “strategy-to-performance gap” are often invisible to top management.

This gap is even more profound in the printing industry where, according to NAPL, the average net profit per employee was 285% higher for the top 25% of businesses. The Monarch Print MIS/ERP system takes direct aim at these gaps!

EFI Monarch goes well beyond traditional business management systems by delivering smart, end-to-end business integration that organizes, analyzes, interprets, and leverages enterprise-wide data for process improvement. Monarch eliminates islands of information and breaks down barriers to connect teams, departments and divisions into a shared, streamlined workflow.

Monarch addresses every aspect of your business

- Internet-based client desktops
- Intelligent estimating and quoting
  - Visual, complex planning without templates
  - Version management for complex jobs
- Quantity management
- Dynamic rules-based scheduling and optimization
- Order entry/job tracking desktop
- Electronic and printed production forms
- Automated inventory allocations
- Real-time data collection
- CIM: JDF and DMI (Direct Machine Interfaces)
- Inventory management
- Roll stock management
- Invoicing and receivables
- Payables, GL and financials
- Sales and process analysis
- Visual business analysis
- Finished goods, fulfillment and mailing management
- Internet-based catalogs
- Multi-process, -language, -company, -division, -currency
Monarch connects your company, forming an ecosystem driven by integration, automation and smart software.

- **Acquire** new jobs and system information with eCommerce, mobile CRM and online portals.
- **Manage** your entire workflow from estimating and planning through final invoicing.
- **Prepare** jobs with flexible planning software, industry-leading prepress and Fiery integration.
- **Produce** jobs with higher efficiency, optimized resource utilization and improved visibility.
“We used to schedule only the pressroom with manual tags. With PrintFlow, we now can predict the effects that incoming jobs will have on our schedule. We can usually forecast accurately the need to add capacity in the immediate future, as soon as we get the job, instead of finding out in the morning that the shift has to work overtime to get the work out on time and we schedule our entire plant.”

JUDI HANSEN
DIRECTOR OF IT
J. S. MCCARTHY
Dynamic planning eliminates template libraries

The Monarch Planner module builds templates on demand, automatically adjusting specifications based on the individual job with the ability to apply a master template to multiple components and sizes. When a press is selected, adjustments are automatically made for the plate surface size, default marks, and any imposition variables. The process continues with the automated development of a distribution and shipping plan.

Monarch Planner provides your operation with a detailed layout that includes everything necessary for automated plate creation. A comprehensive manufacturing instruction set is developed for all production process steps, including reconciled distribution planning and detailed instructions for page-level version assignments.

Optimize with smart, holistic scheduling

Monarch leverages the power and intelligence of PrintFlow® Dynamic Scheduling to build a logical, efficient plan based on real-time production and delivery priorities. The smart software sequences jobs based on priorities and production characteristics. Sheet size, paper type/weight, ink, employee availability, machine capabilities, and delivery requirements are just a few characteristics that are automatically factored into the production schedule.

The result - increased capacity and reduced make-ready time, switch-over time, waste, overtime, and overall production time. The end result is the electronic delivery of real-time run lists for each work center that represent the most up-to-date and cost effective schedule.
“Freeport Press went from 28 to 8 people in prepress with Monarch: Our 100% PDF workflow accepts only print-ready files and Monarch does the job planning, layout, impositions and job tickets. With the EFI integrated combination of management, planning, DMI and scheduling, we have an efficient, enterprise-wide system that fully integrates order processing, inventory, accounting and billing, and we have electronic, automated, real-time scheduling that optimizes our production throughput.”

JAMES PILCHER
GENERAL MANAGER
FREEPORT PRESS

Just-in-time plating for all jobs

The pressroom floor is an ever-changing sequence of rush jobs and you need to allow schedules to shift and jobs to change at any stage to take advantage of open capacity and respond quickly to customer change requests. Monarch prepares impositioned press runs for direct RIPing to CtP devices through prepress workflow systems such as Prinergy and Apogee. Monarch Planner begins the process by receiving content links and images from, for example, Kodak’s Prinergy and InSite page submission systems. The content is automatically linked to pages in Monarch Planner, where the user views spreads and imposed views directly onscreen. When presses change, layouts respond and content flows automatically into its new positions. Likewise, paper sizes adjust, causing color guides and plate marks to shift and scale automatically.

Profitable version management

Monarch understands the parent/child relationship when managing versions. If a production run requires multiple black plate changes to accommodate distribution requirements, it automatically calculates and manages the related activities and materials to help control costs by reducing waste and improving workflow. Streamlining version control significantly impacts your ability to deliver on time and on target.

Accurate quantity management

While most planning systems utilize a flat percentage or rely on operator guesstimates for production counts to allow for materials spoiled during printing and finishing, Monarch uses automation to deliver more accurate and realistic material allocations. Monarch’s planning and Auto-Count® data collection capabilities use equipment sensors, scales, and complex algorithms, so when the target moves due to a customer change, Monarch automatically rebuilds the plan with the new activities, counts, and costs, creating a comprehensive manufacturing instruction set for all steps of the production process.

Improve cash flow

Monarch provides a powerful toolset for improving cash flow and profitability, beginning with a complete specification for more accurate quotes and job plans with fewer surprises and less rework. An accurate, efficient production plan, combined with Monarch’s workflow control and optimization tools, means you can produce jobs with maximum efficiency and minimum cost. Add fast invoicing with detailed alteration tracking and you’re able to invoice jobs more quickly and keep more dollars.

Profitably manage inventory

From the generation of purchase orders to real-time roll-stock inventory management, Monarch effectively manages and controls your most expensive outside costs. And for businesses managing customer inventories, Monarch’s finished goods and fulfillment tools maximize your process and profit potential with on-line client desktop options for catalogs, ordering, status, and inventory management.
Unprecedented visibility with Business Intelligence

Business Intelligence (BI) promotes continuous improvement in your organization – positioning you for success and growth. If your management system is the blood of your organization, BI is the brain. Integrated BI provides company leaders and managers with enterprise-wide visibility into things happening right now, as well as trends that are developing or have developed over time.

Armed with clearly-presented information in an intuitive user interface, decision-makers are able to discover the areas of their business that require attention. Powerful ‘what-if’ scenario generators and drill-down capabilities make complex decisions easier. Data comes to life with Business Intelligence – providing true interaction between information, technology and people, driving your business forward.

Long-term business success

Monarch gives you a total package including software, support and on-going development – the tools necessary for immediate and long-term success. EFI’s industry-leading market share in management and workflow solutions serves as a strong testament to our commitment to help our clients succeed. We’ve listened, and continue to listen, to our clients and our client- and industry-driven development roadmap continues to add to the system’s powerful, flexible, and intelligent capabilities as the leading Print MIS/ERP solution for large single- and multi-plant operations.
EFI fuels success.

From Fiery to super wide inkjet, from the lowest cost per label to the most automated business processes, EFI has everything your company needs to succeed. Visit www.efi.com or call 800-875-7117 for more information.