



**Web-Based Manufacturing Execution System
for Bio-Pharmaceutical Production**

POMSnet—a strategic advantage.

In today's regulated manufacturing environment, competitive pressures are driving you to deliver products to the market faster and at lower costs. Honeywell understands your unique requirements and offers the latest proven technology to solve your manufacturing and compliance issues.

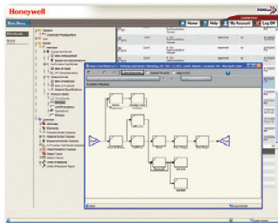
Honeywell's POMSnet manufacturing system controls and tracks all aspects of production, delivering predictable quality, enforcing Good Manufacturing Practices and providing a complete history for regulatory compliance. By ensuring operators and equipment follow the manufacturing process with interactive, step-by-step procedures, POMSnet ensures your products are manufactured and packaged to specification and at the lowest possible cost.



Latest Technology

Built on Microsoft's .NET technology with a 100 percent web-based user interface, POMSnet requires only Microsoft Internet Explorer on your manufacturing workstations.

Web server load balancing distributes the workload so that each user will experience the best performance available. If a web server goes down, load balancing automatically redirects requests to an available server without interrupting work in progress.



Graphical Procedure Editor

Specification and Recipe Authoring

Specification management lets you define materials, equipment, resources and recipe procedures used in manufacturing. These procedures are based on the ISA S-88 standards for batch control. Authoring and approval is managed by an integrated workflow and audit trails are provided for all changes.

Materials Management

POMSnet checks the quality and release status of materials at every step to ensure the right materials are used. All material usage is recorded in compliance logs and batch records.

Material Dispensing

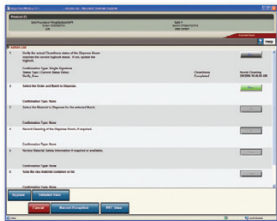
Dispensing includes multiple weighing methods with interfaces to most common scales. Integrated calibration and maintenance checks ensure that dispense rooms, equipment and scales are cleaned and maintained according to best practices.





Equipment Management

Equipment management enforces the correct usage of equipment and ensures the right equipment is ready for production. Equipment type, status, maintenance history and calibration history are all checked prior to use. Full equipment use logs provide a record of compliance.



POMSnet Operating Procedure

Recipe Operating Procedures

POMSnet provides web-based recipe operating procedures directly to the operator. These procedures enforce best manufacturing practices and reduce errors. Procedures can be represented in both graphical and list format, and cover everything from basic operating procedures to complex recipes.

Worksheets

Worksheets are used to produce compliance records associated with procedures that support production such as cleaning, assembly, material handling and area preparation. Worksheets can be executed as stand-alone records or included in a recipe.



What Makes Honeywell Better

Commitment

Our mission is to improve our customers' business performance and peace of mind by delivering leading-edge automation and control solutions, equipment and services. For the life sciences industry, our solutions can improve your performance, maintain regulatory compliance, increase your competitive advantage and support your operation as you produce life-saving and life-improving drugs.

Industry Expertise

Honeywell has been providing automation services to the pharmaceutical and biologics industries for over 25 years. Early on, we identified the need to provide automation systems with built-in FDA compliance capabilities.

Complete Solution

Honeywell's turnkey approach offers a complete solution that allows you to maintain regulatory compliance while cutting costs and improving plant efficiency. Our lifecycle support guarantees that we will remain responsive to your needs over time as your business evolves.

Results

The POMSnet system is based on industry-proven best practices for pharmaceutical manufacturing, designed to help reduce the cost of compliance, improve cycle times and reduce manufacturing deviations.

Delivery

Domain expertise in pharmaceuticals, biotech, batch automation and other life sciences businesses, coupled with a project services team in excess of 2,300 engineers, ensures successful on-schedule delivery and startup of automation solutions.



Quality Management

Quality management ensures that the right materials and equipment are in the right status at the right time. POMSnet quality management includes equipment and material status, testing, exception and deviation management.

Electronic Batch Record

POMSnet generates an electronic batch record (EBR) that is a complete compliance record for production. The EBR captures activity, events and information during recipe execution that demonstrate manufacturing compliance. POMSnet fully supports 21 CFR 11 requirements for electronic records.

Production Reports

A complete set of production and compliance reports is provided with POMSnet. Reports including material history, batch genealogy, quality and deviation reports.

POMSnet Business Integration

POMSnet is easy to integrate with ERP, LIMS, maintenance and other manufacturing systems. POMSnet integration tools support the most commonly encountered transactions and systems.

Process Control Integration

In operating environments where manual activities are required to synchronize with automation, POMSnet provides a functional process control interface with commands to load recipe data, start, hold, restart and cancel automated batches. POMSnet also captures batch event data to the electronic batch record.

Optional Modules

POMSnet Enterprise Specifications—Enterprise-level specifications and general recipes that support all stages of a product's lifecycle, from research to multi-plant commercial manufacturing.

POMSnet Scheduler—Full-featured finite capacity scheduler for plant optimization.

For More Information

To learn more about Honeywell Process Solutions, contact your Honeywell account manager or visit www.honeywell.com/ps.

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