



# Pharma Factory

## Trusted track and trace technologies built for today's pharmaceutical operations

Regulatory standards such as DSCSA, demand error-free serialization and tracking of saleable units throughout the entire pharmaceutical supply chain. As a result, billions of item transactions will be created which must be traceable through secure and auditable data. As these regulations solidify and enforcement approaches, it is more important than ever to have a trusted solution provider with demonstrated success in scalable track and trace technology. Bell and Howell's application team can formulate a custom hardware and software solution which enables visibility to all stages of serialization within your operation.

The Bell and Howell Pharma Factory encompasses a full range of device level serialization components including multiple bundle, case and pallet solutions that support complete item aggregation. In addition, these devices can all be centrally-managed at a line or factory level using our suite of operational software products that provide serialization, production, quality and materials management. Reporting through secure communications to and from enterprise level applications like ERP, EPCIS or other regulatory and supply chain partners is easily integrated.

Pharma Factory is built from the same Factory Intelligence infrastructure which has supported more than 6000 installations in security-critical industries such as healthcare, banking, card processing and insurance. These solutions are built for 24/7 production environments and are backed by seasoned application and product services teams providing unsurpassed protection to your investment. Pharma Factory is a complete solution for identification, tracking, validation, process management and report creation from a single point of control.

## IDENTIFY EVERY ITEM

Before it can be individually tracked, each item must be uniquely identified. Bell and Howell's JETVision technology provides multiple sensing capabilities and the ability to drive data to a wide range of marking technologies. JETVision's versatility allows products of any shape, size, color or material to be identified regardless of speed or labeling technique ensuring the most robust product identification in the industry.

## TRACK ITEMS ANYWHERE

Tracking requires the ability to locate and follow a single saleable unit throughout the entire manufacturing process. Bell and Howell's Serialization Management module combined with the device level data collectors provides the ability to centrally manage any number of serialized production or packaging lines, including aggregation and de-aggregation. A detailed, traceable audit trail is maintained for each item with current status, contents, and the date, time and location processed. Following key attributes for a good manufacturing process the ability to handle exception workflows for damaged or removed items is needed. This controlled reconciliation allows operations to verify all expected items were accounted for creating a secure closed-loop workflow.

## VALIDATE EVERY ITEM IS CORRECT

Serialization without accuracy gives a false sense of security. It is necessary to have the ability to validate the serialization commissioning for each product, and the integrity of the processing sequence. Pharma Factory is able to validate more than barcodes and serial numbers. Using our large collection of quality validation operational modules, Bell and Howell provides the ability to inspect label and package quality including many anti-tampering or security features.

## TAKE ACTION WHEN NEEDED

Pharma Factory affords access to real time control and data flow. This includes capabilities to directly control devices along with the ability to identify lines running behind schedule and the processes, machines or people that are part of the bottleneck. Automated alerts and notifications make specified personnel aware of business issues, production challenges or completed milestones relevant to the processes and systems being tracked.

## COLLECT AND REPORT DATA

At the core of track and trace is the ability to report the identity, status, and complete event history of a single saleable unit within the supply chain. From data processing to shipping at multiple locations, Pharma Factory makes it possible to view high-level reports or to drill-down into the details of product status and chain of custody. This includes supporting the EPICS standards and various government protocols. Additional Operational Management modules enable the capability to analyze specific job, resource, or employee productivity results. Months or years of item supply chain data can easily be managed and made available to internal users

## CENTRALLY MANAGED SOLUTIONS

The Operational Management modules are built from our enterprise leading iQ software suite, making it easy to start enjoying the benefits of a truly integrated, next-generation management solution. The complexities of integrating legacy solutions and custom file transfers between solution components have been eliminated by bringing together of the industry's best-in-breed components. Our team can guide you to select some or all of our Pharma Factory solution modules and add or modify user privileges for specific business functions as needed.

## EVOLUTION OF OUR SOLUTION

The most important piece of the solution is the ability to transform the serialization and track & trace project into a sustainable process. Pharma Factory from Bell and Howell is poised to change and grow to adapt to new technologies in an evolving and security conscience landscape.

## UNPARALLELED PROFESSIONAL AND TECHNICAL SERVICES

Our experienced consulting group offers solutions ranging from mentoring and training to complete turn-key in-house or hosted solutions. Dedicated project management and technical consulting teams are also available to ensure that every project meets defined business objectives. When you are ready, Bell and Howell has a team of dedicated application engineers and field support experts available to explain, assist and perform.



FOR MORE INFORMATION VISIT: [BELLHOWELL.NET](http://BELLHOWELL.NET)



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