



Systech International™
Innovating Packaging Execution Systems

Leading Pharma Leverages Clarity to Counter Counterfeiting

In a sweeping effort to increase patient safety and combat the growing problem of counterfeit drug products, a major pharmaceutical manufacturer is adding 2D data matrix bar-code serialization into its strategic product security initiatives. This initiative is allowing the company to more readily identify suspect product in the marketplace.

Eventually, this system will extend the ability to authenticate products to both supply chain partners and consumers, further ensuring patient safety and brand integrity. This pharmaceutical manufacturer must address these complicated safety challenges while dealing with the efficiency pressures associated with increased line changeover and line performance demands.

To accomplish this, the company has undertaken a multi-year commitment to establishing and growing a Packaging Execution System (PES) beginning with item-level serialization and will expand its operation with the addition of performance metrics. This manufacturer selected Systech's PES approach to serve as a flexible, extensible platform.

A PES seamlessly integrates critical and valuable packaging line information, functions, inspections, line management, serialization and performance measurements into a collaborative comprehensive productized offering. A complete PES also communicates directly with an organization's manufacturing and enterprise system to allow data to be synthesized into actionable intelligence to make better-informed business decisions.

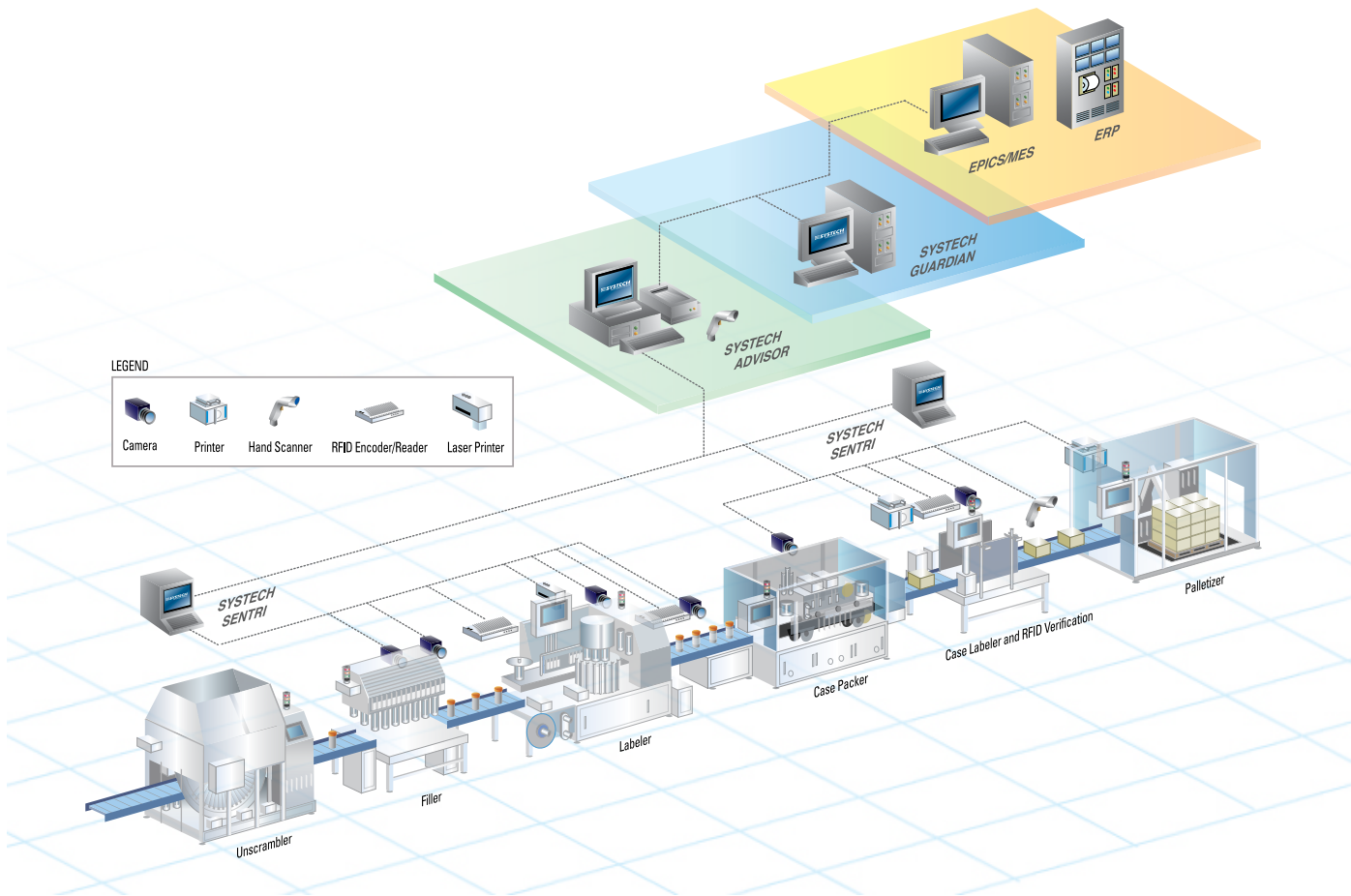
The implementation of this manufacturer's PES effort began with Systech Sentri for vision inspection and Systech Advisor for real-time production monitoring, control, data collection, line management, and serialization. Today, Serialized Product Tracking (SPT), a software application to Advisor, is enabling serialization of products at the item, case, and pallet level. SPT provides product authentication by using Electronic Product Codes (EPCs) on 2D bar codes and is integrated with existing packaging operations.

In the next phase, the manufacturer will extend their PES to include plant-level management of EPC serial numbers and OEE measurement using Systech Guardian. Guardian is a plant level product that connects to ERP and EPCIS systems providing a single point interface to the enterprise and ultimately, to the supply chain and customer.

The expansion of their PES also gives the manufacturer the infrastructure to support the addition of RFID track and trace technology to its packaging operations. The project currently includes 25 packaging lines across 12 worldwide sites. Measurable performance improvements have been achieved at the first plant installation while simultaneously addressing regulatory challenges and without impeding new product releases.

The deployment provided the capability to manage production records and product serialization, which was an important consideration in the selection of Systech's PES solution. Systech has mastered these capabilities and is now capable of cost-effectively replicating this integrated PES solution across all manufacturing operations throughout the globe.

SYSTECH PACKAGING EXECUTION SYSTEM



World Headquarters
 2540 US Highway130, Suite 128
 Cranbury, NJ 08512 USA

toll-free 800.847.7123
 phone 609.395.8400
 fax 609.395.0064
 email info@systech-tips.com
 web www.systech-tips.com
 Offices located in: US • UK • Belgium