



## Systech International™ Innovating Packaging Execution Systems

### Systech OEE The Power to Improve

With margin pressures mounting, pharmaceutical companies worldwide face an ongoing struggle to maximize productivity and performance while minimizing downtime across multiple facilities. Ultimately, the efficiency, availability and performance of the packaging line impacts the entire manufacturing process and, therefore, the company's bottom line.

As a leading innovator of Packaging Execution Systems (PES) for the pharmaceutical industry, Systech International recognizes the value of metrics such as Overall Equipment Effectiveness (OEE). OEE provides a structured approach to identifying complex production problems, and distills them into a simplified, cohesive set of actionable intelligence to optimize line efficiency. As a result, OEE empowers manufacturing organizations to systematically improve processes and, in turn, ensure consistency, maximum quality and productivity.

#### Systech Delivers OEE with Actionable Intelligence

OEE targets the most common and critical sources of manufacturing productivity loss and places them into three primary categories – Availability, Performance, and Quality. The Systech solution is a sophisticated OEE offering that goes beyond efficiency rating to provide detailed analysis of the factors that impact the manufacturing process and contribute to the loss of effectiveness.

This level of insight and analysis allow manufacturers to identify and isolate production problems, and apply a solution. By illuminating the sources and causes of downtime, pinpointing production bottlenecks, and identifying quality issues, Systech OEE arms organizations with the information needed to improve their entire packaging process.

The Systech solution allows manufacturers to leverage their existing investment in automation technologies. Systech OEE is integrated as an extensible application of Systech Advisor™ -- a robust, high performance packaging line automation and information management solution that addresses recipe management, change-over times, serialization, custom reports, and communication with business systems. Because Systech's OEE is an application to Advisor, Systech is able to offer a fully integrated, comprehensive solution that addresses productivity loss and requires less training, maintenance and equipment on the line.

#### "In-time" Monitoring Reduces Line Inefficiencies

Achieving a strong OEE rating is an excellent indicator, but continually optimizing line performance is paramount. Systech's solutions, unlike other offerings, provide operators continuous line notification and control, so actions can be taken in time to preempt events that would normally negatively impact line efficiency and drive OEE down.

Systech uniquely addresses every aspect of the packaging line. Its comprehensive, reliable system is easy to establish, expand and manage over time and is unparalleled in delivering significant improvements at the line and plant levels.

## Systech's Solutions: A Better OEE Offering

- Fully Integrated
- Space Saver:  
No additional equipment is required
- Reduces maintenance
- Less training required

The Systech OEE application integrates seamlessly into its line monitoring and control solution making it easy to quickly begin reaping the benefits from OEE. Optimized packaging line efficiency cannot be achieved by OEE alone. Continuous line monitoring and control is the only way to stop inefficiencies before they happen. Long before a problem shows itself in the OEE analysis, it happens on the packaging line. Systech's line monitoring and control solutions ensure "in-time" notifications of issues that will, if left unaddressed, impact line productivity.

It is only this combination of big-picture OEE analysis and constant line vigilance that can deliver optimal line performance.

### Systech International – Optimizing Packaging Processes

Systech International delivers solutions at every stage of the packaging process. Systech Senti™, Systech Advisor™, and Systech Guardian™ products provide a robust range of features, including:

- The industry's most advanced machine vision inspection technology
- Packaging line automation and control
- Information management
- Track and trace
- Packaging performance management

The result: complete insight into the factors impacting production, and the actionable knowledge required to realize peak efficiency.

If you are currently a Systech customer, Systech OEE can be implemented with a simple, software upgrade. Please contact a Systech representative at 1-800-847-7123.



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