Let's talk about how your pharma plant can reduce scrap and increase throughput with better cadence optimization through SmartFactory Rx.

Email us at: SmartFactory_RX@amat.com or visit us at: appliedmaterials.com/smartfactoryrx
The future of pharma manufacturing today. From the company whose automation software is installed in 100% of fully automated wafer fabs.

**QUALITY, EFFICIENCY, LOWER COSTS**

- **OEE 80% - 90% (High)**
- **Process Capability 5σ - 6σ (High)**
- **Production Lead Time 5 - 10 Days**
- **FG Inventory 5 - 50 Days**
- **Direct / Indirect Labor Ratio - (Low)**

- **OEE 10% - 60% (Low)**
- **Process Capability 2σ - 3σ (Low)**
- **Production Lead Time 120 - 180 Days**
- **FG Inventory 60 - 90 Days**
- **Direct / Indirect Labor Ratio - (High)**

Applied Materials has helped semi manufacturers optimize quality, efficiency and productivity to drive outstanding business results. Now, SmartFactory Rx is bringing the same advanced manufacturing software to pharma plants.

Dramatically optimize reliability, performance, efficiency and one more highly desirable thing: profitability.

The Applied SmartFactory suite of advanced manufacturing software enables pharma companies to achieve unprecedented levels of productivity, quality and compliance through a flexible, intelligent platform comprised of Analytics and Control, Advanced Maintenance and Operations Productivity. These modular components integrate all critical operations in real time:

- Reduce downtime and changeover time
- Improve asset utilization
- Reduce scrap, including lost batches
- Achieve better productivity while assuring quality and compliance

Advanced process controls and rules-based automation enable pharma systems to communicate and cooperate with each other, and with operators, in real time to make more intelligent decentralized decisions. The tools work together and with your existing solutions to provide an agile, scalable, data-driven environment. This allows rapid, seamless deployment, improved overall performance and decreased human errors in pharma plants.

**Applied SmartFactory® Rx**

**Outperform Expectations**

Discover how pharma plants can achieve efficiency and productivity at levels that were impossible before.

Email us at: SmartFactory_RX@amat.com.

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