The Digital Factory Starter Kit
Operational Control, Quality Management and Advanced Reporting / Business Intelligence in Just Two Weeks

Highlights:
- Quick and easy to implement.
- Enforced process and quality operational requirements
- Debug and repair loops to ensure quality control.
- Digital work instructions for all operations
- Automatically created digital device history records for all products
- Packaging, labeling, notifications and escalations, and paperless traveler.
- “Paperless” migration
- User friendly reports such as Unit history, WIP, Rolled Throughput Yield and Cycle Time.
- No software or hardware to buy.

Designed for manufacturers who need to move to advanced digital manufacturing quickly and with zero interruptions, 42Q's Digital Factory Starter Kit provides the core functions required for controlling and managing critical manufacturing operations digitally in an easy-to-deploy, fast time-to-value package. This solution also includes 42Q's Business Intelligence for manufacturers, which provides a toolkit for real-time data visualization of manufacturing operations. And you can get started with the first line in just two weeks.

Two Weeks to Cloud MES
The Digital Factory Starter Kit from 42Q was designed to be implemented in just days, rather than the months required for legacy MES solutions. Delivered from the cloud, the Starter Kit can be configured to meet the specific requirements of a manufacturing operation in a fraction of the time expected; this results from the cloud architecture, the tools and templates developed by 42Q, and from the service delivery model created by 42Q. The Starter Kit delivers faster time-to-value than any other manufacturing software, while still delivering compliance for manufacturers in highly regulated industries. Once implemented, the use of 42Q Starter Kit can be expanded, extended and further customized at the convenience of the users.
MES 101: Cloud-based Operations Management and Control
The Digital Factory Starter Kit includes MES 101 from 42Q, which provides the core software modules for running a digital manufacturing line or factory and its accompanying quality management operations. With MES 101, users gain control of their critical manufacturing and quality operations, enforcing proscribed steps in each process, for example, and ensuring that all quality tests are performed before a product is released from production. Additionally, the system builds a complete device history record (DHR) for all products, including details from subcomponents and subassemblies, results of each completed test, and more. These same records are used to build a complete traceability tree for product genealogy.

Business Intelligence: Your Manufacturing Questions, Answered
Also included in the Digital Factory Starter Kit, the Business Intelligence module from 42Q provides real-time reports and alerts that enable manufacturing executives to see what’s going on in their operations - right now. From dashboards to automated reports, and including a virtual factory that provides an at-a-glance status update on all plant operations, 42Q Business Intelligence provides easily-digestible data visualizations that enable a plant manager or executive to make smart decisions based on real-time, up-to-the-second information. 42Q Business Intelligence features include dashboards and digital signage support, SPC (statistical process control), self-service reporting tools, and 42Q Live - the virtual factory map and reporting tool.

Digital Factory Starter Kit includes:
• Shop floor functions such as serialized inventory, cycle time management, order management, process routing control, employee verification and work instructions
• Traceability features such as track & trace and genealogy
• Quality functions such as control plans, critical to quality issues, and defect & repair management
• Packaging, labeling, and notifications and escalations.
• Business Intelligence functions that provide a platform for easy-to-understand data visualizations of real-time data.

About 42Q
42Q is a leading provider of cloud MES solutions, implemented in over 60 manufacturing facilities. Our mission is to deliver scalable, flexible and easy to implement manufacturing solutions to our customers. Our management team has extensive experience with the architecture, development and implementation of advanced MES and manufacturing automation systems deployed across a broad range of vertical markets. 42Q is a business unit of Sanmina Corporation.