SAMS

TEST SYSTEMS

Thin Client/HMI

Test Systems
(PC or PLC)

Line PLC

Scanners/
Torque Guns

ATS
SAMS

Label
Printers

Industrial
Equipment
(Presses, Robots,
Ovens, etc.)

Corporate/External
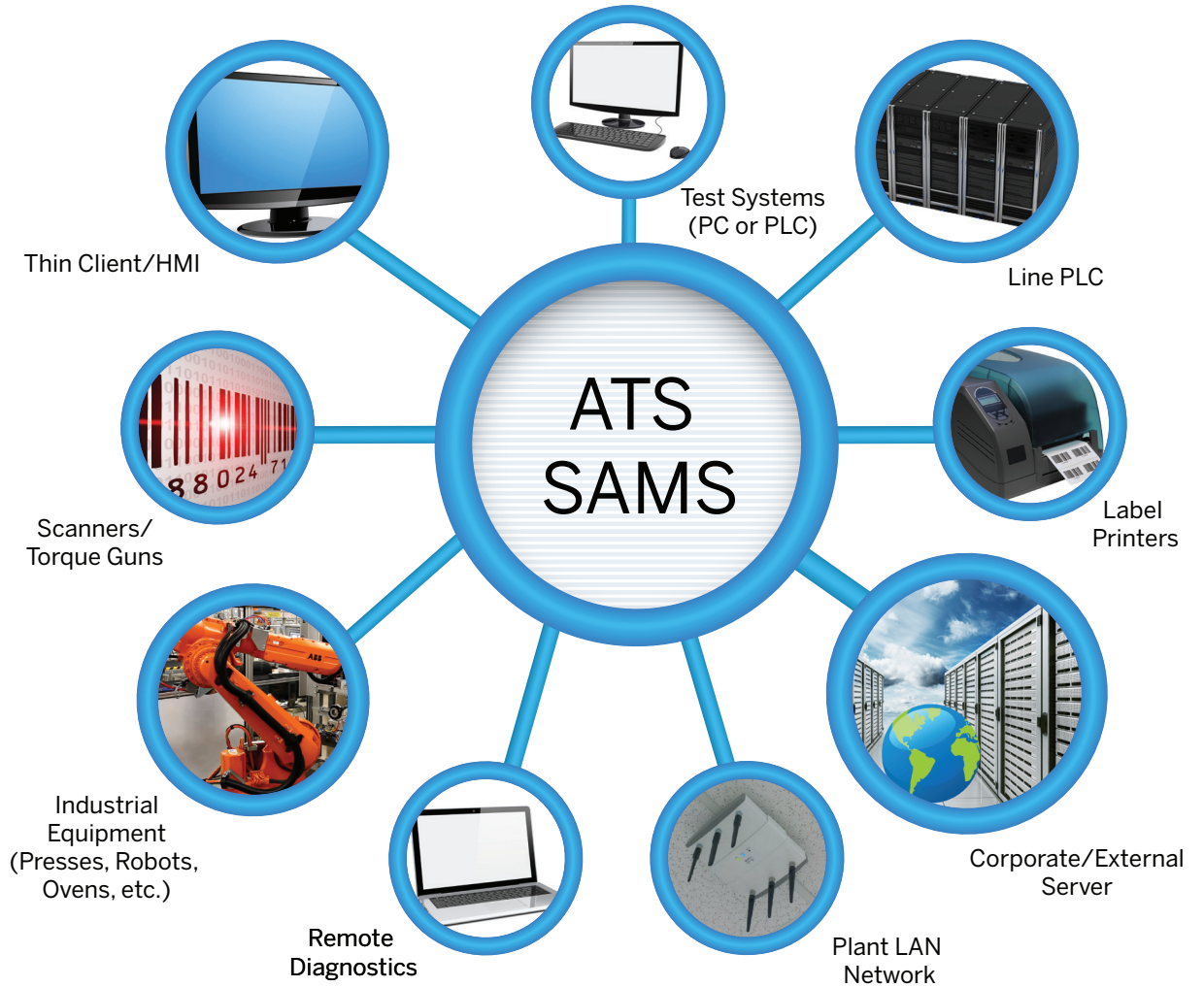Server

Remote
Diagnostics

Plant LAN
Network

ATS
AUTOMATION

SAMS – Sequenced Automated Manufacturing Solution
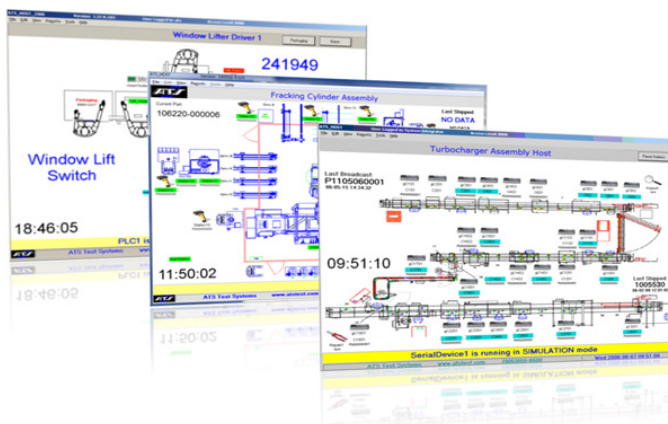
Description

The Sequenced Automation Manufacturing Solution (SAMS) is a proven and robust solution for controlling and verifying any build process. It is an extremely flexible system that can easily be configured for manufacturing of any product regardless of build complexity. At each process step, SAMS utilizes a combination of build recipe data and script logic to determine the desired course of action. This action may take the form of operator prompts / feedback, direct instrumentation control, fully automated PLC interaction, or any combination of these. In all cases the build step is enforced and tracked to ensure a complete build history.

SAMS is an essential part of any build process containing a large product variation. Through its option decoding capabilities SAMS can simplify complex build requirements. It is designed for use in a 24/7 production environment where uptime is critical.

The result is a solution that provides our customers with optimum reliability and increased productivity with the flexibility to maintain it for future programs, models, or product changes.

Typical Tasks Supported

- Receive, Decode, & Archive Customer Electronic broadcast Data
- Queue Information for Production Build
- Generate Build Requirement Labels Manifests & Pick Lists
- Generate offline subassembly build requirements
- Authorize Indexing of production line
- Perform final inspection on all products prior to shipping
- Generate quality & production management reports
- Upload reports to customer quality information systems
- Seamlessly integrates with all ATS Test standard products
- Record tester and line build data
- Batch build capabilities

Features

- **Interpretive Scripting language allows for customization/editing of a build process without interfering with other stations or slowing down production.**
- **Supervisory override capability**
- **Simple windows main interface for immediate feedback of production status, editing process configuration, viewing reports, etc.**
- **Automatic management report generation complete with first time capability & production failure pareto analysis by shift**
- **Enhanced system hardware diagnostic capabilities**
- **Operator prompts and sign-in**
- **Build recipe configuration and maintenance**
- **Error proofing & traceability (e.g. pick bins, torque monitoring, etc…)**
- **Label design and printing**
- **Interacting with customer plant or corporate ERP & MES server databases (SQL, Access, etc…)**
- **Multilanguage support**
- **Low cost PC based remote client for interacting with operators through standalone graphical user interface.**

Contact ATS directly for custom or product specific applications beyond the scope of this document.

A U T O M A T I O N

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