

TEST SYSTEMS



Reporting Analysis Line Production History

Common Questions

What is ATS RALPH?

ATS RALPH is a high level reporting tool that allows for detailed queries, graphical plots and reporting to be performed on collected data.

Why use ATS RALPH?

- Provides long term data storage and retrieval for audit and recall situations
- Designed specifically to provide important production quality metrics to aid production engineers in the optimization of line throughput
- Trending can predict product failures and required maintenance in advance allowing for proper planning and scheduling

Why Choose ATS RALPH Over Other Data Collection Systems?

- Designed specifically to be more intuitive and customizable than other statistical packages to further aid production engineers to zone in on areas of interest
- Dashboards provide immediate feedback of line performance to all personnel within work zone.
- Have options for both SQL and Flat File data storage.
- Visual custom queries allow for user to access information in almost unlimited number of ways

Where should ATS RALPH be used?

- Designed to be used in automated, semi-automated and manual systems
- Where there is a requirement for product build history and line efficiencies to be stored and analysed

Key Features

Automation

- Part and Machine Data collection from PLC, Testers and Line Controllers.
- Alarm or Warning on Trending values that are outside expected limits.
- Data is seamlessly acquired and saved.
- Customized Dashboards automatically reflect real-time updates of many production related statistics.
- Seamless integration with ATS Test Exec. and SAMS products.

Powerful User Customization

- Create your own customized dashboards using visual tools
- Add new devices from which data will be collected
- Scripting environment allows customization of event logic
- Create Reports using visual layout tools

Diagnostics and Analysis Tools

- Remote Data Mining tools (web interface or application) for users to query for historic data, and perform analysis and custom graphing
- Users configure custom queries on data specifying time ranges, shift, data sources, values of interest, conditional filtering, birth history etc.
- Predefined data queries quickly get you to commonly required information that reflects the status of your assembly line
- Fault history , Top Ten
- Good/Reject/Reworked parts broken out by station or line
- Part traceability by Serial number or component installed
- CPK, Min, Max, Average calculations
- OEE, Uptime, Line Efficiency calculations

Visual Presentation

- Graphical Representation of data collected
- Histograms, Line Graphs, XY graphs, Pie Charts etc.
- Data tables outlining production counts or failures
- Dynamically importing of images for presentation on dashboards
- Multi-view dashboards scroll through altering customized presentation layouts

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

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