

# VERIFIDE

Acquire. Analyze. Adapt. Advance.

## Test Data Management

Simplified.

### Dynamic Database

The flexibility of flat files with the power of a database. You'll never need schemas, SQL code, or a DB admin—ever!

Add our data solution to your system without changing your existing test code!

### Trending

Slice and visualize data anyway you want and identify trends. Easily overlay and correlate swept data plots across tests.

### Pivot Analysis/Metrics

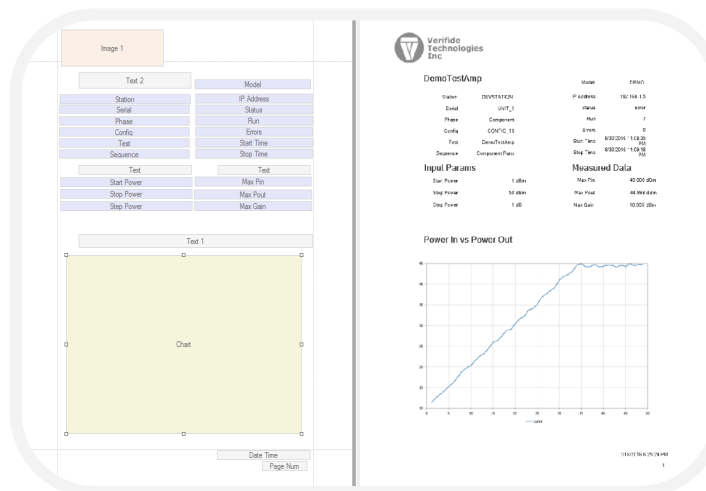
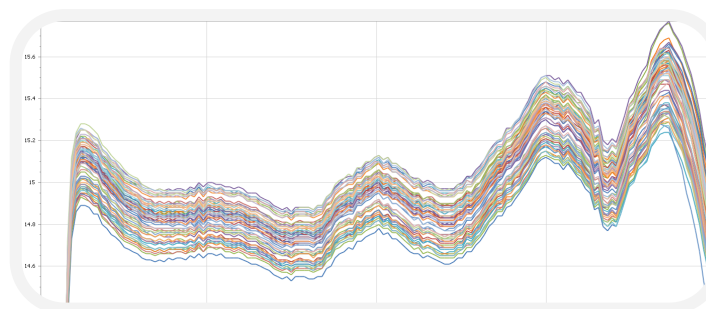
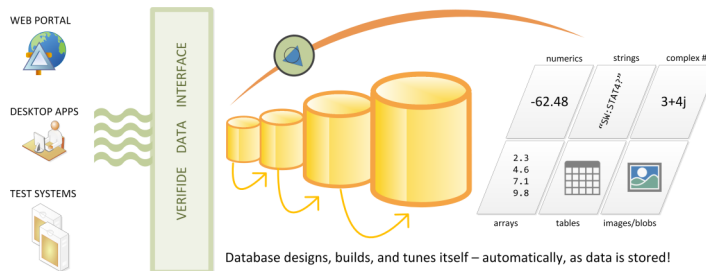
Get birds-eye views of data and performance with drag-and-drop ease. Create data distribution plots, production metrics and more!

### Verification + Disposition

Verify data against limits—even after testing is done. Group data using labels, audit results, and verify compliance with requirements.

### Code-Free Reporting

Create and re-create reports on-demand with no coding using our report designer and reporting engine.



## Dynamic Database

Test data is fundamentally different from other typical “software” data. It needs to be flexible and hierarchical to handle arrays, tables, images, complex numbers etc. Typical database solutions are not a good fit for test data because they are rigid, require DB skillsets, and are expensive to iterate, maintain and manage. As a result, developers often revert to flat files for the flexibility, but you lose the ability to analyze data effectively.

Verifide’s **Dynamic Database** technology solves this -giving you the simplicity of flat files but with the power of a commercial database. Our software creates, updates, and tunes the underlying database, on-the-fly, as data is stored giving the developer the most flexibility to store data and then to consume and analyze that data.

The best part is you can use our data solutions adjacent to your existing products without needing to change any test code.

## Trending

Data collected during the lifespan of a “test” provides the input necessary to determine pass/fail type disposition. For production and R&D scenarios this analysis alone is **not** sufficient to build confidence in the unit being tested;

Systems Engineers need higher level insight into data to spot trends across devices, test phases, or multiple runs of the same test. Further complicating this is the need to spot trends in multi-dimensioned data like plots.

Verifide’s data solution is **specifically** designed for trending. Users can pull out individual data items to trend and visualize across any subset of data chosen by a query. The compare/overlay tool can be used to also compare multiple plots across each other for correlation analysis.

## Pivot Analysis/Metrics

Pivot analysis and metrics are important in testing because they provide the birds-eye level **insight** into the production data—whether you’re trying to analyze production efficiency, test times, or distributions of measured values to fine tune your manufacturing processes. Lacking these metrics prevents you from being able to improve your test throughput and yield.

Verifide’s tools allow you to slice data your own way - for example, you can view time wasted on failed tests or re-runs. An engineer on the other hand, can plot the normal distribution of temperatures across test phases or days. The possibilities are endless with the information you need at your fingertips.

## Verification + Disposition

For tests to be meaningful, limits need to be applied; without automated limit checking, the task of evaluation is labor intensive. For early-generation products or in R&D environments, it is common to adjust limits to figure out the right yielding criteria. Also, a test that passes limits, may still be anomalous on further inspection.

Verifide’s limit checking and disposition engine allows users to **post-process** limits after test data has been collected. This allows you to run various what-if scenarios for limits. Our data review and audit capabilities also allow a privileged user to alter the status of a test and append notes.

## Code-Free Reporting

Test systems often require reporting to be able to summarize the results of a test. This is often implemented with code at the end of the test that creates a printable report. Re-using test code across products and programs, however, requires these reports to be customized—resulting in difficult to manage code for reports.

Verifide provides a **data-bound** report generation engine allowing you to design reports with a drag-and-drop editor, then to generate those results any time after-the-fact—with zero coding!