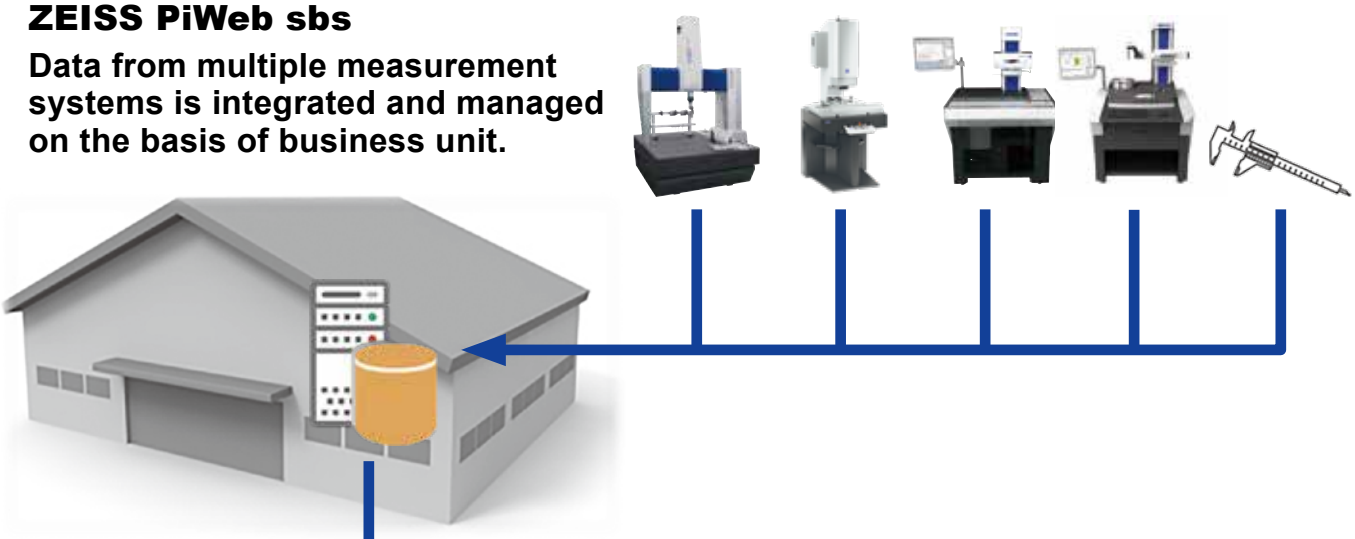
■ZEISS PiWeb sbs / Enterprise

Data from multiple measurement systems is collected, stored, and managed in PiWeb server.
You can statistically analyze stored data, create graphical reports, and monitor measurement results.

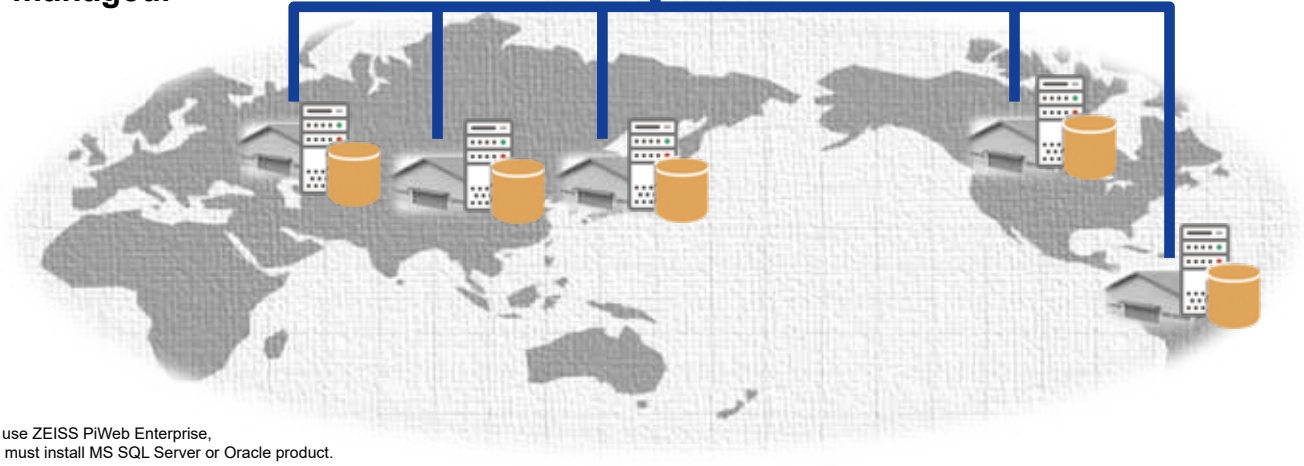
ZEISS PiWeb sbs

Data from multiple measurement systems is integrated and managed on the basis of business unit.



ZEISS PiWeb Enterprise*

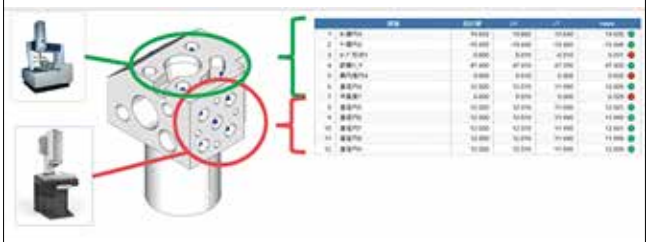
Data from several business units in Japan and abroad is integrated and managed.



*To use ZEISS PiWeb Enterprise,
you must install MS SQL Server or Oracle product.

ZEISS PiWeb meets various quality control needs.

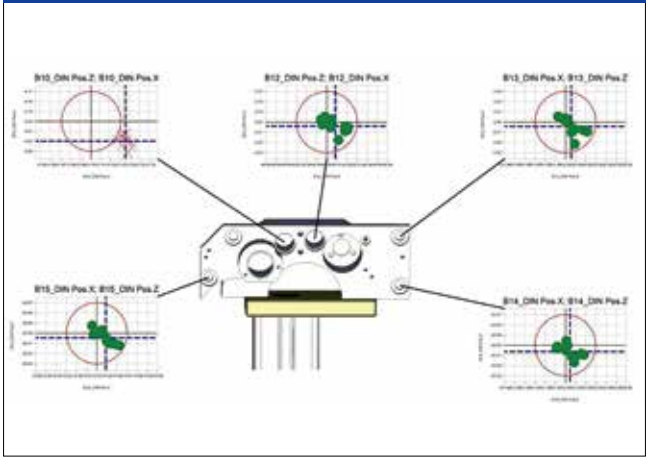
Integration of data from multiple measurement instruments



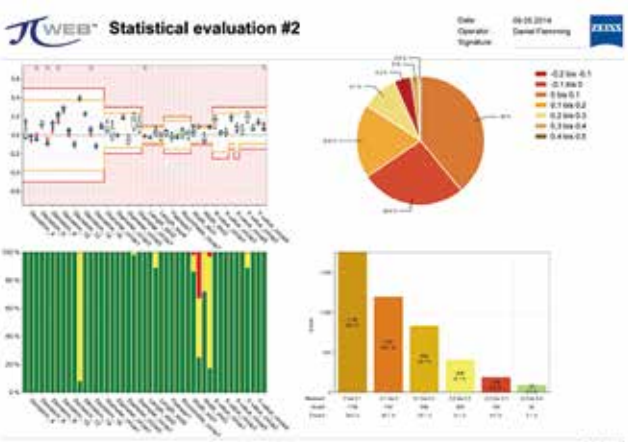
Monitoring measurement results

- ✓ Want to accumulate and store the measurement results from multiple measuring instruments together.
- ✓ Want to monitor measurement results on real-time basis.
- ✓ Want to review the results and conditions of past measurements.
- ✓ Want to understand trend by statistical analysis to predict failures.
- ✓ Want to combine result data from multiple measurement instruments into one report.
- ✓ Want to reduce time and effort to create reports.

Understanding Trends in measurement data

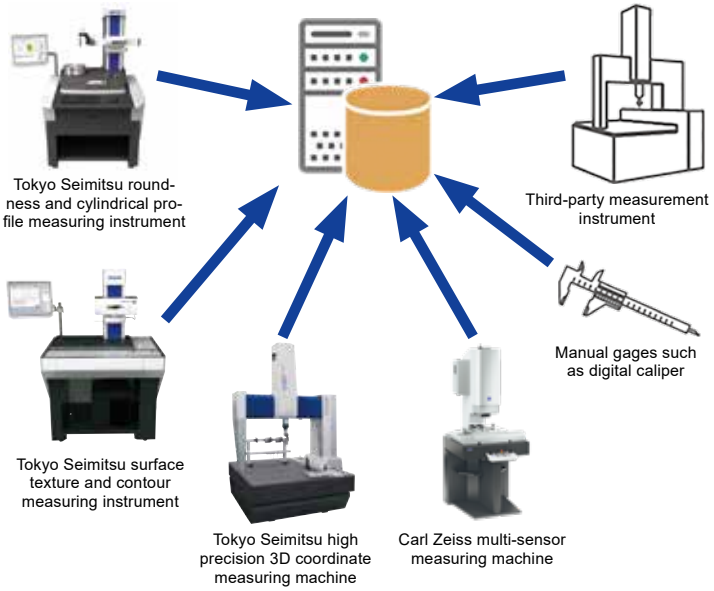


Statistical analysis and report output



Collection, storage and management of measurement result data in PiWeb server
Superior search function and various statistical tools for trend analysis

Storage of data from multiple measuring instruments in one database



- **Integration and storage of various measurement result data**

  Even if different machines are used to measure different areas of a workpiece, all measurement results can be stored and managed in the PiWeb server. For measurement systems equipped with CALYPSO, in addition to measurement results, CALYPSO's measurement plan and point information can also be stored in the PiWeb server.

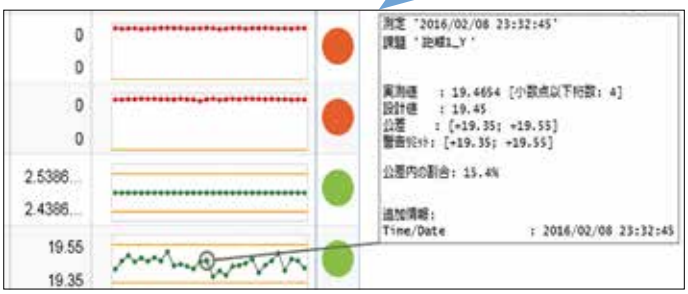
- **Support to third-party measurement instrument and manual gages***

  It can store data not only from measurement instrument of Carl Zeiss and Tokyo Seimitsu but also from third-party measurement instrument and manual gages such as digital calipers.

* Data from third-party measurement instrument and manual gages is supported separately.

Search refinement for measurement data stored in database with various search conditions

Display of needed data through search refinement
<Search condition> • XX most recent results
• Date and time (period)
• Various attributes... user name, machine name, product number, etc.



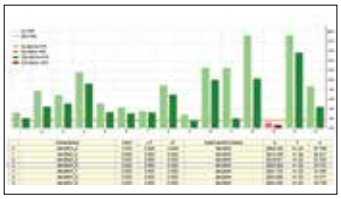
- **Easy search for past measurement results**

  Easily searching past measurement results by setting date and time, period or other items contained in the measurement data as search criteria. No need to search pdf files and paper reports one by one.

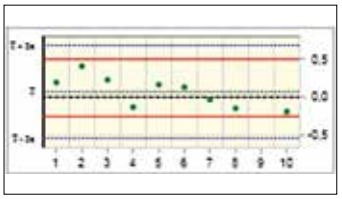
- **Multifaceted trend analysis by using different search conditions**

  Search results are immediately reflected in the report displayed by PiWeb so that you can perform multifaceted trend analysis by changing search conditions.

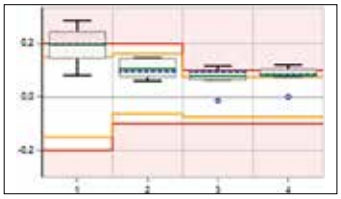
Various statistical analysis tools



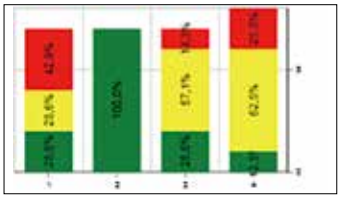
Analysis of process capability ndices Cp, Cpk



Display example of easurement values and tolerances



Display example of box plot



Analysis example of quantities and ratios of measurement values within/outside tolerances and warning limits

- **For detailed trend analysis**

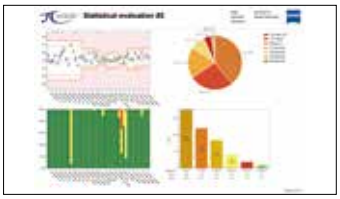
  PiWeb offers a variety of statistical tools and analytical functions to maximize the use of collected and stored measurement data.

<Statistical tools>
- Histogram
- Run charts
- Cp/Cpk plot
- Box plot
- Control charts, etc.

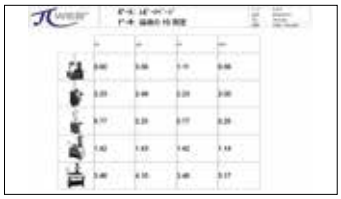
<Statistical functions>
- Average
- Mean values
- Maximum/minimum values
- Dispersions
- Standard deviations, etc.

PiWeb™ Combining multiple measurement data into one report Easy automatic creation of graphical reports

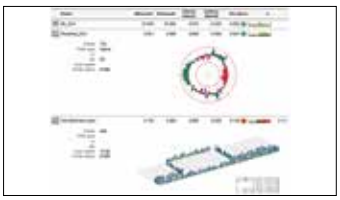
Flexible and graphical reports



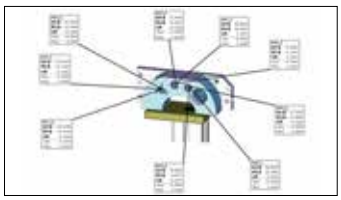
Example of a report on statistical analysis



Statistical analysis example of data from multiple measurement instruments



Plot display example of roundness and flatness from CALYPSO data



Display example of measurement data to 3D CAD model

- **Graphical reporting of measurement data and statistical analysis**

  It displays graphical reporting of results of one measurement, data from multiple measurement instruments, or statistical analysis of data during a specified period. The report template can be freely created to meet diverse needs.

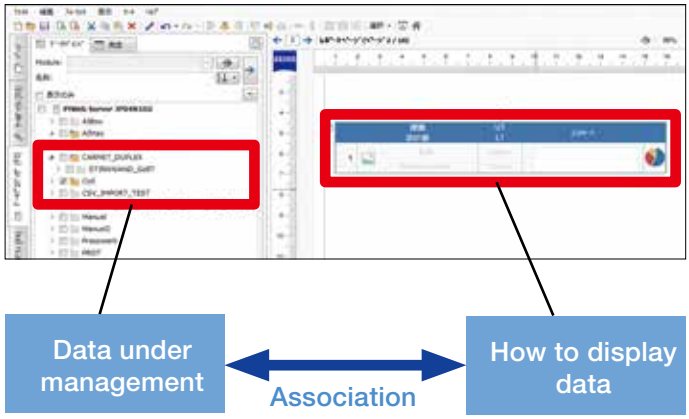
- **Displays measurement results on 3D CAD models or 2D drawings**

  It is possible to load 3D CAD models, 2D drawings into report templates and associate with measuring data.

- **Output the profile plot of measurement result of CALYPSO intuitively**

  From CALYPSO measurement point information stored in PiWeb server, it is possible to output profile plots such as roundness, flatness, and cylindrical profile, etc., which can confirm the measurement result more intuitively.

Once a template is created, a report is automatically created!



- **Reporting made much easy**

  result, it automatically creates a report from the measurement result from next time. Reporting time is reduced even in case of “Many measurement points”, “Measure with multiple measuring instruments” or “Perform detailed analysis”.