



Predictive Join/Predictive Assembly

Predict assembly and join operations

- Uses individual measurement data from each component
- Loaded simultaneously for comparative analysis and reporting
- Mathematically compared and analyzed
- Management of Applied Tolerances, Control Limits, Process Variables, Statistics
- Graphical comparisons of Trends, Deviations, Process Control
- Compare and analyze data before parts are brought together
Enhance Prediction by applying CM4D's Alignment Tool
- Define Alignment Datums on-the-fly, regardless of measurement process
- Alters measurement results to reflect "as assembled" values
- Simulates actual 3D surface inspection of "Real" assemblies

Predict modifications by entering virtual adjustments

- Exercise "what-if" scenarios
- Apply virtual shim/grind values to predict effect
- Measurement data immediately recomputed for display/analysis
- See results before costly physical adjustments are made

Full integration into all CM4D Management, Analysis, Reporting

- Manage predicted data
- Analysis and reports available on demand
- Events/alarms can be set up based on Prediction Data

