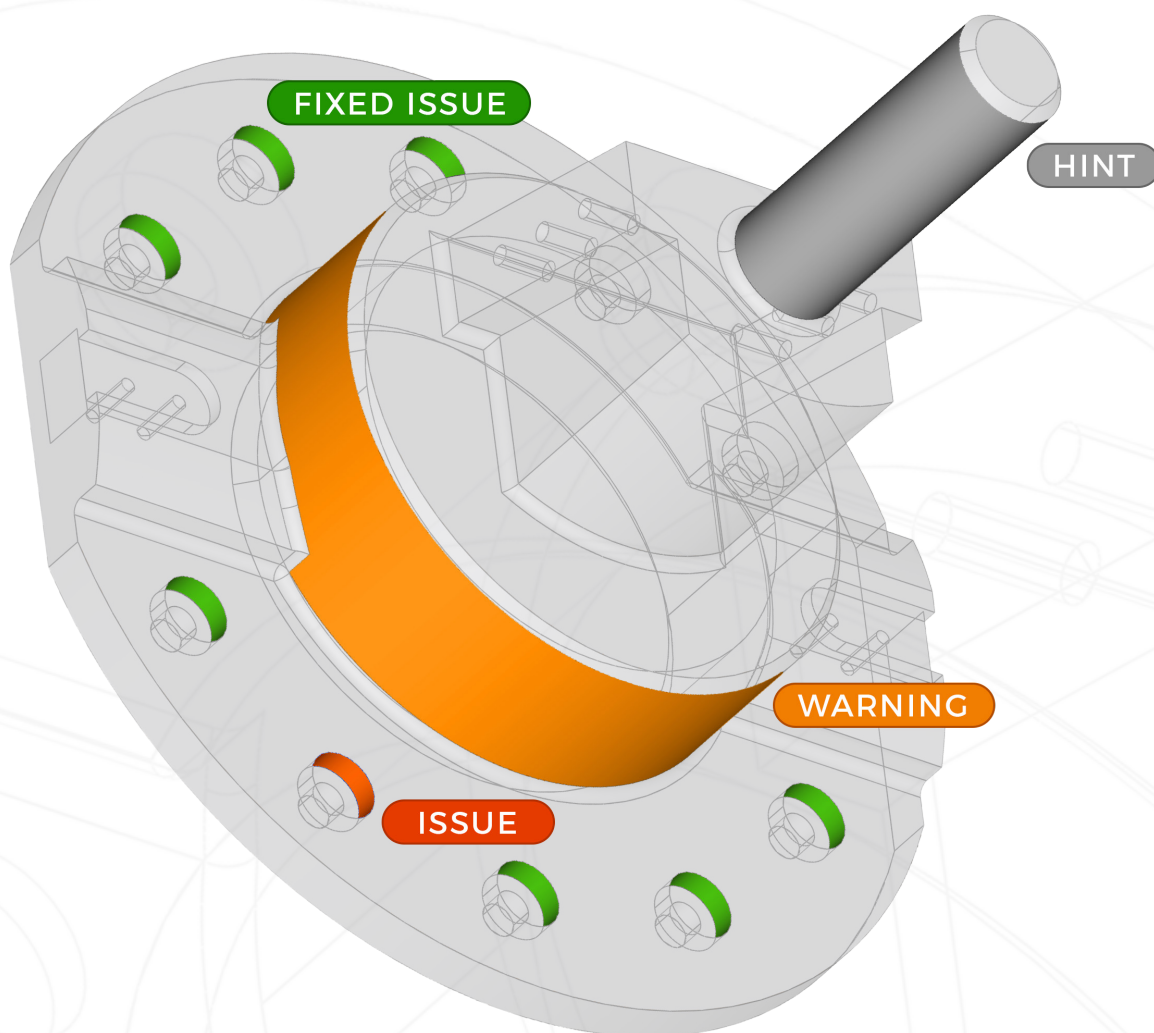




EVOLVE Design



EVOLVE Suite Model-Based Family of Software



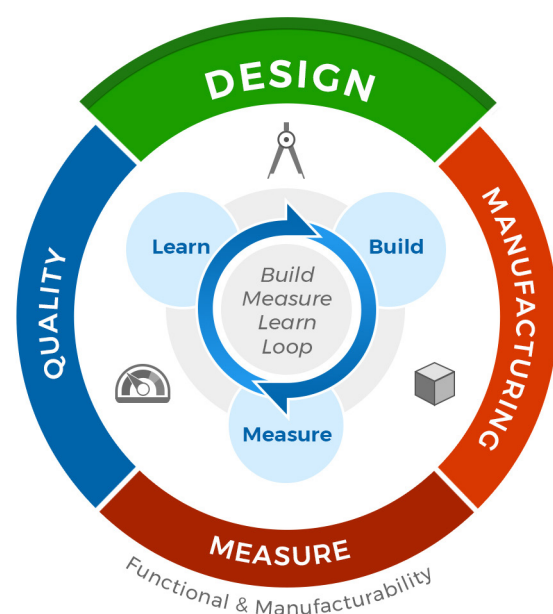


CAD models with PMI information such as GD&T (datums and tolerances) can be imported from QIF (Quality Information Framework) and STEP 242 files.

EVOLVE Suite

EVOLVE is a model-based family of software that seamlessly connects Design, Production and Inspection teams across a manufacturing enterprise. EVOLVE optimizes the design process, provides fully automatic GD&T evaluation for part acceptance, unparalleled manufacturing

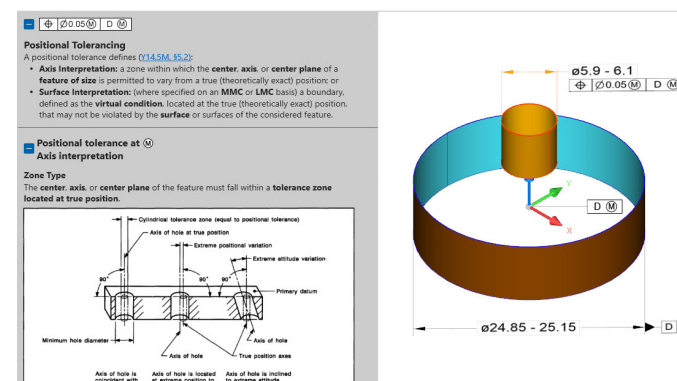
setup, specific feedback and correction simulations enabling manufacturers to shorten product design/development time, normalize inspection and measurement techniques, improve process control, and manage product tolerances throughout the manufacturing process.



EVOLVE Design is a Computer-Aided Engineering (CAE) tolerancing software which helps engineers apply **correct GD&T (GPS) tolerances** to their CAD models.

EVOLVE Design **proves your GD&T** (GPS) tolerances on the model. Highlights potential tolerancing problems and provides recommendations through its **explanatory systems** that show relevant **guidance** based on the GD&T standard chosen.

EVOLVE Design has Tolerance Stackup and Point Generator tools to provide better understanding of the impact of chosen tolerances.



3 Proof GD&T (GPS)

A powerful GD&T (GPS) engine checks the whole model and provides visual notification of tolerance errors and warnings.

The issues found are clearly explained and supported by links to the sections of the relevant standards. Additional tools: Tolerance Stackup and Point Generator help with better understanding of the impact of chosen tolerances.

2 Define Tolerances

EVOLVE Design allows you to define GD&T (GPS) tolerances according to the chosen standard (ASME Y14.5M – 1994, ASME Y14.5 – 2009, or ISO 1101).

EVOLVE Design's Explanatory system reacts to the state changes in the application and always shows relevant information about the current context.

EVOLVE Manufacturing

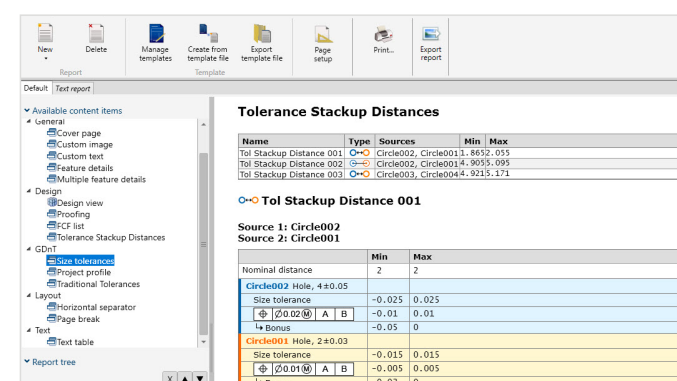
DOVE Manufacturing helps identify systematic problems with manufactured parts and recommends solutions to minimize manufacturing errors.



merges point data from any measurement system with a part's nominal CAD model and automatically performs a comprehensive GD&T evaluation.

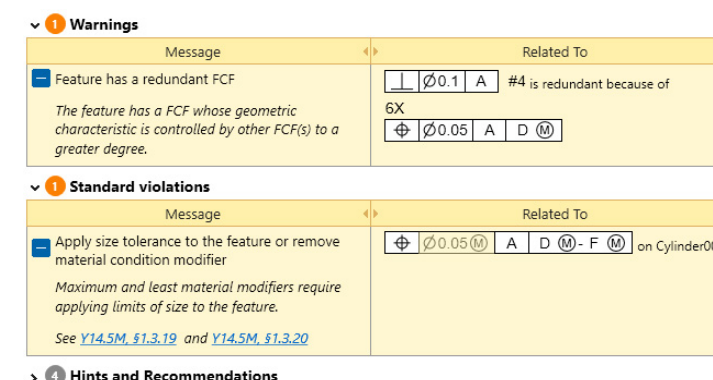


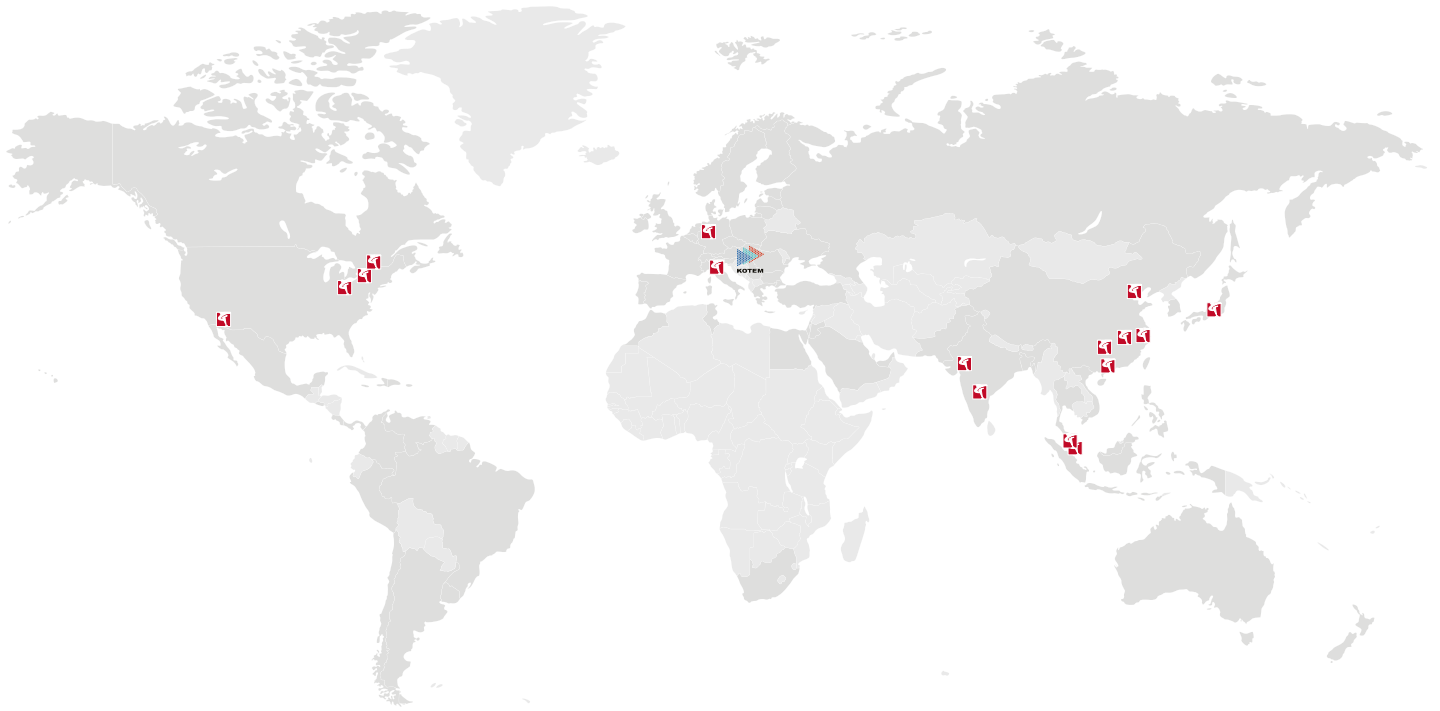
EVOLVE is a full statistical process control software that can be used as either a standalone product with existing measuring systems or integrated into the EVOLVE Suite.



4 Save Results

After proofing issues are corrected, the changes to GD&T (GPS) can be saved as a report or a project for future reference and can be imported into other EVOLVE products.





KOTEM

The leader in dimensional analysis software

KOTEM is the worldwide leader in dimensional analysis software. Our family of advanced GD&T and fitting software helps manufacturers integrate quality inspection data with their manufacturing and design work flows. KOTEM is a Quality Vision International company.

QVI® (Quality Vision International) is the world's largest vision metrology company. Founded in 1945, QVI is the world leader in optical, electronic and software technologies for vision and multisensor measuring systems.

To learn more about the EVOLVE family go to www.kotem.com/evolve-suite

EVOLVE is fully compliant with all internationally accepted GD&T Standards:



ISO 1101



ASME Y14.5M-1994



ASME Y14.5-2009