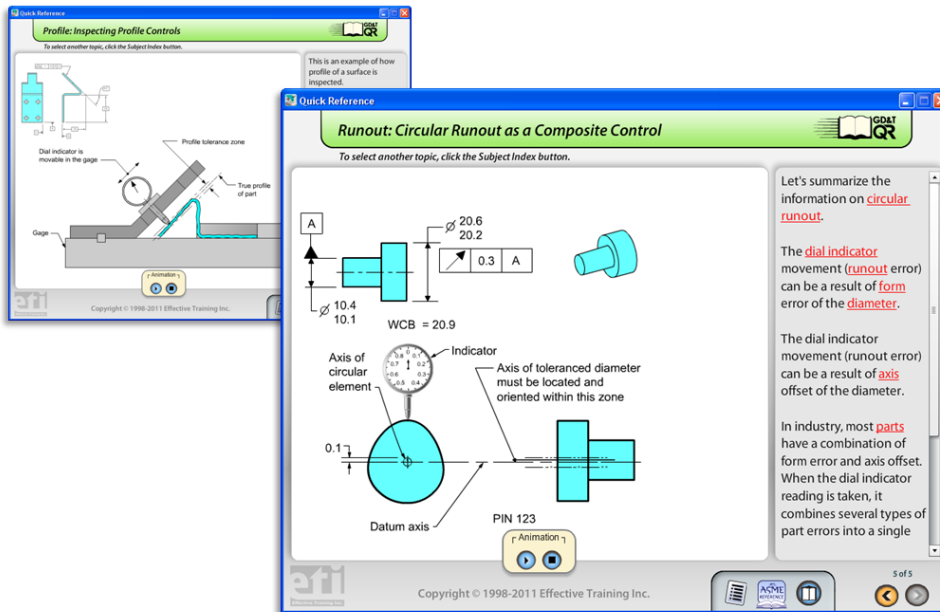


**GD&T Advisor addresses four critical aspects of GD&T application:**

- **Creation** – efficient, intelligent application of functionally, syntactically correct GD&T in the 3D model environment
- **Validation** – visualization and function-oriented evaluation of GD&T
- **Education** – extensive help content, informative tool tips, and an interactive GD&T Quick Reference aid in understanding of GD&T concepts
- **Utilization** – intelligent, CAD-native annotations are usable in downstream processes such as drawing production, tolerance analysis, computer aided inspection, and other design activities

**Interactive Help**

GD&T Advisor includes extensive, content-sensitive help with links to an interactive GD&T Quick Reference created by ETI, the leader in GD&T training.



**ETI and Alex Krulikowski**

- The "Doctor of Dimensioning"
- Member of the ASME Y14.5 Committee on Dimensioning and Tolerancing, ASME Y14.41 Committee on Solid Model Tolerancing (past chairman), and ISO/TC 213-USTAG
- Development partner for GD&T Advisor

## Sigmatix product based on CETOL 6σ Technology

**GD&T Advisor** is an interactive software tool that provides expert guidance on the correct application of GD&T. It guides users through the application of GD&T from within the CAD environment, ensuring standards compliance while greatly improving productivity.

With **GD&T Advisor**, increased productivity, improved design quality, and reduced costs are a reality. **GD&T Advisor** greatly improves productivity when applying GD&T to a model design, reducing the number of mouse clicks and time required by up to 75%. **GD&T Advisor** simplifies the understanding of the complex GD&T standards by providing readily available guidance during every step of the application process. Save valuable time in design checking and accelerate the design process, while reducing scrap and engineering changes (ECNs) often associated with dimensioning and tolerancing errors.

Save valuable time in quality checking and accelerate the design process, while reducing scrap and Engineering Change Orders often familiar in the manufacturing phase - saving thousands to tens of thousands of dollars every year.

- Increases productivity
- Reduces costs
- Provides consistency
- Eliminates mistakes
- Improves design communications
- Enhances GD&T understanding

The screenshot shows the GD&T Advisor interface within a CAD environment. It features a 3D model of a part with various GD&T annotations such as  $\phi 12.59 \pm 0.06$ ,  $\phi 4.50 \pm 0.25$ , and  $\phi 4.50$ . The interface includes a Feature Tree on the left, an Advisor Tree with messages like "Location is not fully constrained" and "Zero-value tolerance not allowed", and a main workspace with a wizard-like dashboard. Red callout boxes highlight key features:

- Feature-centric view of GD&T:** Points to the Feature Tree on the left.
- Informative advisor messages to guide the user through the process:** Points to the Advisor Tree.
- Surface highlighting indicates whether or not tolerances are complete:** Points to the highlighted surfaces on the 3D model.
- Wizard-like dashboard guides the user in the correct application of GD&T:** Points to the top-right control panel.
- Create native Creo® annotations to maximize reusability:** Points to the dimensioning tool in the main workspace.