

Sigmatrrix 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 designers through a standards-based application of GD&T from within the CAD environment, increasing GD&T standards conformity and accuracy while reducing the time to apply GD&T by 75%.

With **GD&T Advisor**, increased productivity, improved manufacturing accuracy, and reduced costs are a reality. The ability to perform a standardized GD&T analysis with substantially fewer clicks than other manual methods results in a tremendous drop in analysis time.

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 and tens of thousands of dollars every year.

- Increases Productivity
- Improves Manufacturing Accuracy
- Reduces costs
- Provides consistency
- Eliminates ambiguities

The screenshot displays the **GD&T Advisor** interface within a CAD environment. The main window shows a 3D model of a green part with various GD&T annotations such as $\phi 4.50$, $\phi 0.10$, $\phi 0.05$, and $\phi 12.59 \pm 0.06$. The interface includes a **Feature Tree** on the left, an **Advisor Tree** at the bottom left, and a **Wizard-like dashboard** on the right. The dashboard provides a guided path for applying GD&T features, with a red arrow pointing to the **Return Hole** feature. A **Functional feature-centric view of GD&T** is shown in the Feature Tree. Informative advisor messages are displayed in the Advisor Tree, such as "The primary datum feature may be too..." and "Zero-value tolerance not allowed". The dashboard also includes a **Geometry Control Tool Selector** and a **Notes** section with the text: "1. UNLESS OTHERWISE SPECIFIED, ALL SURFACES $\phi 0.2$ C A/B".

Functional feature-centric view of GD&T

Wizard-like dashboard guides the user in the correct application of GD&T

Informative advisor messages to guide and educate the user throughout the process

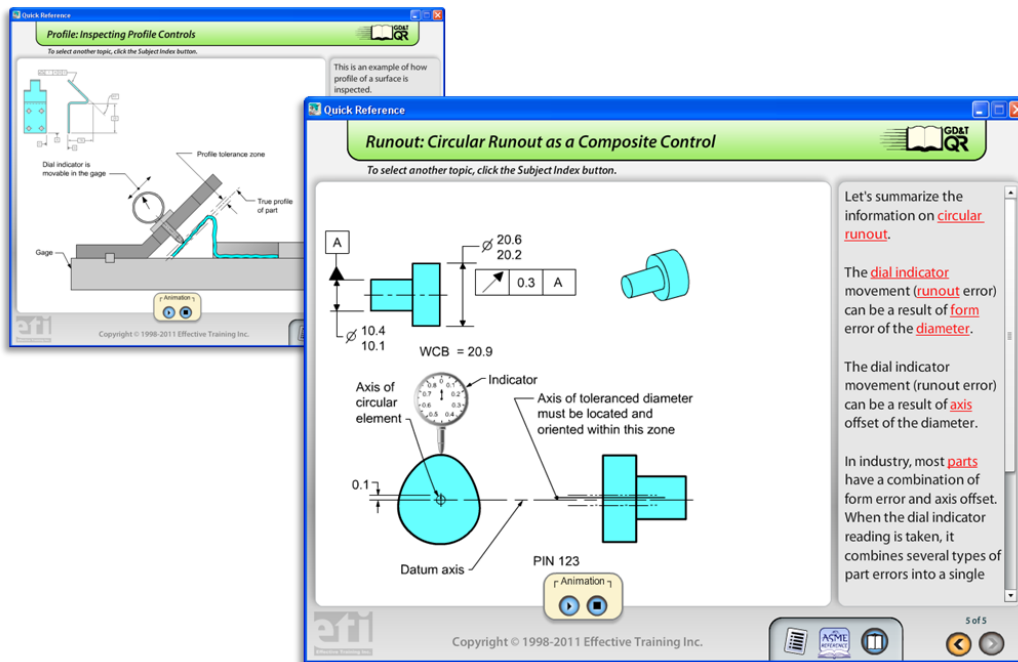
Create native Creo® annotations to maximize reusability

Functionality and Control

- **Creation** – efficient, intelligent application of functionally, syntactically correct GD&T in the 3D model environment
- **Validation** – informative analysis, visualization, and function-oriented guidance of GD&T
- **Education** – includes the ASME Y14.5 Standard-based encyclopedia, providing best practice advice on:
 - Datum Feature and Geometry Control Tool selection
 - Downstream manufacturing and Inspection impacts
 - much more....
- **Utilization** – “intelligent”, CAD-native annotations created that are usable by downstream processes, including Computer Aided Manufacturing (CAM), and Computer Aided Inspection (CAI).

Interactive Help

GD&T Advisor provides interactive help with a content sensitive use guide and links to an entire GD&T Encyclopedia 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
- Development partner for GD&T Advisor

