



Learning Content now updated to the ASME Y14.5 - 2009 standard

## GD&T Wiz Tutor

GD&T Wiz Tutor is a Computer-Based learning system for Geometric Dimensioning and Tolerancing from Symphony Technologies. GD&T Wiz Tutor is based on ASME Y14.5 - 2009. Geometric Dimensioning & Tolerancing is a standard for Engineering Drawing and related Documentation Practices. GD&T ensures that the intent of the designer is communicated across the board without ambiguity.

### Features

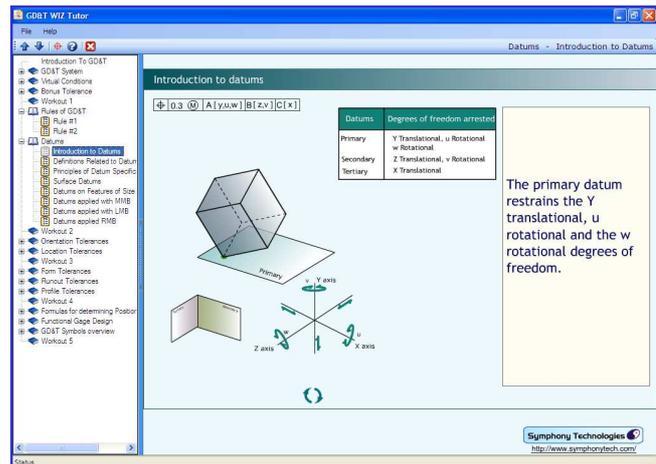
This learning system provides visually powerful, interactive and animated explanations that enable you to learn complex GD&T concepts with ease. Voice over explanations in simple language make the learning easy and anxiety-free. Work through GD&T Wiz Tutor at a pace you find comfortable for learning.

GD&T Wiz Tutor will benefit people in Manufacturing, Design, Materials and Quality to clearly understand the concepts and to have a uniform interpretation of every aspect of GD&T.

Trainers can use GD&T Wiz as a powerful aid to explain complex concepts.

### Topics

GD&T Wiz covers the vast breadth of Geometric Dimensioning and Tolerancing without compromising on the depth. The topics covered are



GD&T System	Datums	Location Tolerances	Runout Tolerances
Feature Control Frames	Introduction to Datums	Overview of Location Tolerances	Circular Runout Tolerance
Definitions of Terms	Definitions Related to Datums	Positional Tolerance	Total Runout Tolerances
Classification of Features	Principles of Datum Specification	Positional Tolerance Applied at MMC	<b>Profile Tolerances</b>
<b>Virtual Conditions</b>	Surface Datums	Positional Tolerance Applied at LMC	Profile of a Line
Understanding MMC and LMC	Datums on Features of Size	Positional Tolerance Applied RFS	Profile of a Surface
Virtual Conditions with MMC	Datums applied with MMB	Composite Positional Tolerancing	<b>Fastener Formulas</b>
Virtual Conditions with LMC	Datums applied with LMB	Concentricity Tolerance	Floating Fastener Case
Defining Tolerances RFS	Datums applied RMB	Symmetry Tolerance	Fixed Fastener Case
<b>Bonus Tolerance</b>	<b>Orientation Tolerances</b>	<b>Form Tolerances</b>	<b>Functional Gage Design</b>
Understanding Bonus Tolerance	Overview of Orientation Tol	Overview of Form Tolerances	Principles of Functional Gage Design
Bonus Tolerance for MMC VC	Parallelism Tolerance	Straightness Tolerance	Example of a Functional Gage
Bonus Tolerance for LMC VC	Perpendicularity Tolerance	Flatness Tolerance	<b>GD&amp;T Symbols overview</b>
<b>Rules of GD&amp;T</b>	Projected Tolerance Zone	Roundness Tolerance	
Rule #1	Angularity Tolerance	Cylindricity Tolerance	
Rule #2			



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### Download a free evaluation version

A Free evaluation version of GD&T Wiz Tutor can be downloaded from the SymphonyTech Website at

<http://www.symphonytech.com/gdtwiz.htm>

Try it out for yourselves and discover the benefits that will come home.