



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.

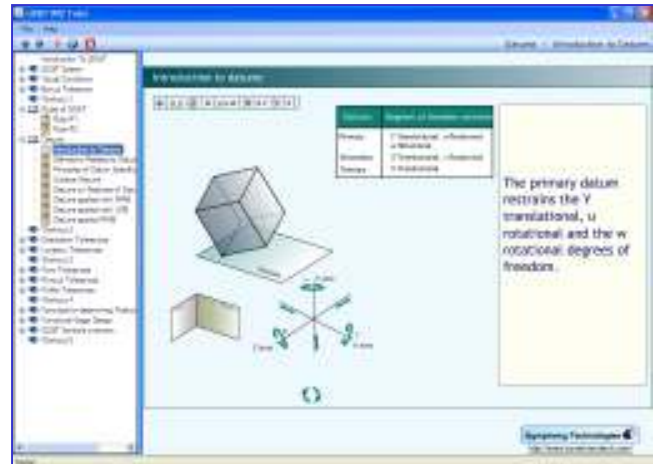
Geometric Dimensioning & Tolerancing is a standard for Engineering Drawing and related Documentation Practices. GD&T ensures that the intent of the designer is communicated across the board without ambiguity.

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

<p>GD&T System</p> <ul style="list-style-type: none"> Feature Control Frames Definitions of Terms Classification of Features <p>Virtual Conditions</p> <ul style="list-style-type: none"> Understanding MMC and LMC Virtual Conditions with MMC Virtual Conditions with LMC Defining Tolerances RFS <p>Bonus Tolerance</p> <ul style="list-style-type: none"> Understanding Bonus Tolerance Bonus Tolerance for MMC VC Bonus Tolerance for LMC VC <p>Rules of GD&T</p> <ul style="list-style-type: none"> Rule #1 Rule #2 	<p>Datums</p> <ul style="list-style-type: none"> Introduction to Datums Definitions Related to Datums Principles of Datum Specification Surface Datums Datums on Features of Size Datums applied with MMB Datums applied with LMB Datums applied RMB <p>Orientation Tolerances</p> <ul style="list-style-type: none"> Overview of Orientation Tol Parallelism Tolerance Perpendicularity Tolerance Projected Tolerance Zone Angularity Tolerance 	<p>Location Tolerances</p> <ul style="list-style-type: none"> Overview of Location Tolerances Positional Tolerance Positional Tolerance Applied at MMC Positional Tolerance Applied at LMC Positional Tolerance Applied RFS Composite Positional Tolerancing Concentricity Tolerance Symmetry Tolerance <p>Form Tolerances</p> <ul style="list-style-type: none"> Overview of Form Tolerances Straightness Tolerance Flatness Tolerance Roundness Tolerance Cylindricity Tolerance 	<p>Runout Tolerances</p> <ul style="list-style-type: none"> Circular Runout Tolerance Total Runout Tolerances <p>Profile Tolerances</p> <ul style="list-style-type: none"> Profile of a Line Profile of a Surface <p>Fastener Formulas</p> <ul style="list-style-type: none"> Floating Fastener Case Fixed Fastener Case <p>Functional Gage Design</p> <ul style="list-style-type: none"> Principles of Functional Gage Design Example of a Functional Gage <p>GD&T Symbols overview</p>
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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.