



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

GD&T WEB Tutor

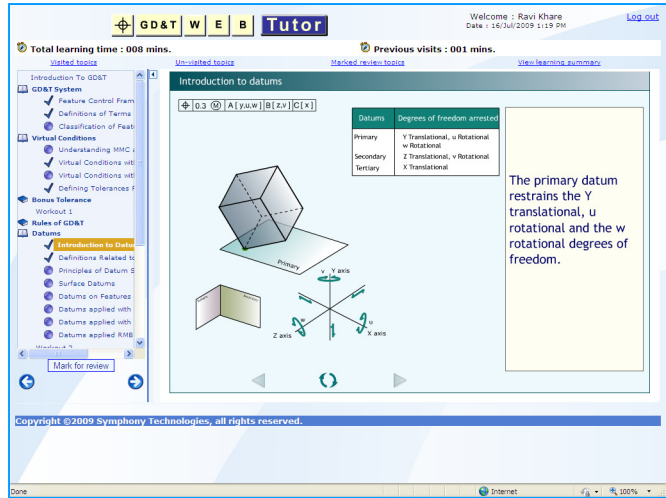
GD&T WEB Tutor is a Web-Based learning system for Geometric Dimensioning and Tolerancing from Symphony Technologies. GD&T Wiz Tutor is based on ASME Y14.5 - 2009.

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. You can register for the web based learning course and work through GD&T learning at a pace you find comfortable for learning.

The self paced nature of learning will enable you take the GD&T course conveniently from your office or home, at an hour convenient to you. A set of 5 workouts that you solve helps you evaluate yourself on the GD&T knowledge you learn.



Topics

GD&T WEB Tutor 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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Flexible Learning

You can take the GD&T WEB Tutor course at a pace that is comfortable to you. You can login to the learning portal conveniently from your home or office.

At the end of the course you get..

1. A certificate of course participation.
2. Learning Sessions summary indicating the time you spend on each topic
3. Workout score-sheet for the quiz workouts you take on-line