

Fundamentals of Geometric Dimensioning and Tolerancing, Volume One, Two and Three, with Instructor's Guide and Workbook; Alex Krulikowski; Effective Training, PO Box 756, Wayne, MI 48184, Total Time 14.03 hours; \$2495

This video training course material contains 10 videotapes, one workbook and one instructor's guide. The course divided into thirty lessons, running time of each lesson ranging from 12 to 57 minutes. The material is suitable for either self-study or as an instructor-guided group-study in the classroom environment.

The coverage of the topics "Fundamentals of Geometric Dimensioning and Tolerancing", based on the latest standard ASME Y14.5M-1994, is comprehensive. The students will build up the knowledge in GD&T, the important aspect of engineering drawing, at the completion of this video training course.

As it pointed out by the course author, Alex Krulikowski, GD&T provides a language which communicate unambiguously the intention of the designer to the part manufacturer about what are acceptable part features when it is manufactured and when it is assembled.

Although the topic is fundamental in nature, it is unavoidable will lead student to ask for a further in depth questions in design, measurement, and assembly after understand what the GD&T intends to communicate. Case in point, how the designer determines the optimum tolerance based on the considerations in part function, manufacturability and reliability, and those materials will not be discussed in the course.

The video presentation by Mr. Krulikowski is clear and to the point. However, the instructor, must understand the nature of the material is abstract, and sometimes is difficult for the novice, attempted to soup up the presentation by provided a few dry humors without much of a success.

The workbook accompanied with the tapes is the best in the whole course. It can be used as a stand-alone reading material. The workbook also provides additional details, which are not presented in the video presentation such as the history of GD&T. The drawings presented in a few video lessons are not clear due to the inappropriate selection of the color contract in the drawings (e.g. dark green shade figures with black lines). For these lessons it can be salvaged by the reference to the workbook, which presents a very clear drawings.

Video training course is the next best to a life presentation by an instructor. The presentation of the material can be equally effective if an instructor lead the video course with discussion sessions.

As a whole this video series in GD&T presents an effective methods of learning and cost efficient even though the listing price is \$2495.

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