

# ETI's Engineering Services

**ETI is dedicated to client success by providing world-class dimensional engineering solutions**

ETI provides a variety of engineering services that will help your organization improve product design and save money. We can review your drawings and evaluate them before production, helping you to reduce costs through proper specification. We can also help you apply GD&T to your existing drawings.

## Design Services

ETI offers economical design services. Send us your drawings and we will perform:

- **GD&T markups** (Level I)  
Verify that GD&T specifications meet ASME, ISO, or corporate standards
- **Design checking** (Level II)  
Verify that the drawings meets your fit and functional design requirements and corporate standards
- **Tolerance stack analysis** (Level III)  
Perform detailed tolerance stacks to ensure that product tolerancing meets fit and functional requirements

## Consulting Services

ETI's consulting services can be performed in-house or at your site. They include:

- Design reviews
- Drawing audits for standards compliance
- Expert interpretation of drawings for customers or suppliers
- Product drawings reviewed for meaningfulness, reasonable tolerances, and critical tolerance stacks
- Measurement plans reviewed
- Meetings to discuss. . .
  - GD&T usage or standards
  - Application of GD&T to a product (datum selection, which symbols to use, etc.)
  - Inspection of GD&T requirements
  - Converting functional requirements into GD&T specifications
- Mentoring employees on the correct GD&T usage

**Call ETI at 1-800-886-0909. Learn how our engineering services can benefit your company, today.**



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ETI's engineers understand GD&T and the best way to apply it in industry. Their knowledge can save your organization time and money.



## Alex Krulikowski, Founder and President of ETI

ETI's courses and materials were developed by Alex Krulikowski, an expert on geometric tolerancing and a member of several national tolerancing committees. As a design manager with one of the world's largest manufacturing corporations, Alex gained more than 30 years of industrial experience putting GD&T to practical use on the shop floor.

Alex has a degree in industrial vocational education, and he has been teaching GD&T for more than 20 years. Because he understands how to apply adult learning principles, all of his courses utilize a series of goals and objectives that reinforce concepts and produce measurable results.

### All of ETI's dimensional engineering mentors are industry professionals with:

- Expert knowledge of the Y14.5 Standard
- At least fifteen years of experience using GD&T
- Current or recent industrial experience using GD&T
- Experience and skill using ETI teaching materials

## Michael Adcock, ASME Senior Level Certified

Michael has an AAS in CAD design from ITT Technical Institute and is an active member of ASME. His design career began in the aerospace industry, where he worked on solid rocket motors and developed tooling, product, and test equipment. He also performed tolerance stacks, layouts, and full working drawings.



In more than seven years as a designer, Michael has worked with solid modeling, engineering drawings, and the language of GD&T on a daily basis. He is now a full-time dimensional engineering mentor for ETI.



## Roy Cross, ASME Senior Level Certified



With 30 years of experience in the auto industry, Roy's design experience includes detailer, designer, design leader, and checker. His product knowledge includes brakes, wheels, drive train, HVAC, and engine cooling. He's an active member of ASME and SME and has a thorough knowledge of manufacturing processes, including injection molding, stampings, casting, forgings, and machining.

Roy has been teaching GD&T at all levels since 1991. He is now a full-time dimensional engineering mentor for ETI.

### Let ETI help your organization shorten product development time and lower costs.

ETI's engineers excel at GD&T and its application. Take advantage of our expertise. Let ETI help your organization lower production costs by reducing the vague drawings and drawing errors that cost you time and money.

Call ETI at 1-800-886-0909, to discuss how our engineering services can benefit your company, today.



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