

The AGI Advantage

Why do manufacturers consistently choose AGI?

Businesses choose AGI because we offer advantages that our competitors do not match. The AGI Advantage means focus and flexibility. Our GD&T training and consulting services ensure that your production goals are met with convenient, comprehensive, and cost-effective instruction and mentoring.

AGI helps you efficiently take GD&T from theory to reality. Here's how we do it:

1. **AGI Philosophy.** *AGI makes GD&T work for you on an organizational scale.* While product functionality is our primary consideration, AGI also helps you evaluate the impact of proper dimensional management not only to make design improvements, but also improvements on manufacturing, assembly, and inspection processes. Proper dimensional management facilitates the collection of data for acceptance or rejection criteria and promotes meaningful communication between inspection, manufacturing and assembly.
2. **Training Method.** AGI training provides you both a thorough understanding of the ASME Y14.5 standard *and* the ability to confidently apply it to your product. AGI's interactive instruction techniques help students fully understand GD&T concepts rather than simply memorizing text from a book. GD&T does not have to be just theory, it can be used to produce measurable production efficiencies that save money.

AGI knows that investing in GD&T training is of no use if the presented information is not retained and used by our clients. We place particular emphasis in presenting course material in ways both interesting and relevant to students. If students don't enjoy the class and understand how the course material benefits them, they won't retain it. Our courses are presented in an engaging, interactive format that generates enthusiasm for the potential of GD&T.

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- Standards Expertise.** Mark Foster, President of AGI, is a mechanical engineer with 25 years experience in design, quality, and GD&T. Mark is a member of the ASME Y14.2 committee and participates regularly in ASME meetings throughout the country. Mark has held management positions in quality assurance, manufacturing engineering, and design engineering and is the President of AGI.

In addition to Mark, AGI's other full-time instructors are Norman Crawford and Jaime Dadez. Norman is a designer and inventor with over 30 years experience in mechanical design and engineering for product development. Jaime is a mechanical design engineering expert with over 30 years experience in designing with GD&T.

All of AGI's instructors work in industry or have recent industrial experience with a wide range of products and processes. Instructors for AGI are all GDTP Senior-Level Certified by the ASME in accordance with the qualifications of ASME Y14.5.2. Our instructors actively assist the committees involved with developing the next generation of GD&T standards.

- Customized Training.** AGI has conducted training not only in North America but Europe and the Near East as well. We have taught everything from single workshops for small organizations to entire corporate training programs. We regularly tailor programs to address specific drawings, parts, and processes.

Our training materials and teaching methods are popular with engineering, design, manufacturing, assembly, inspection, and quality personnel. Our clients often request on-site training that minimizes operational disruptions and eliminates travel and related expenses. On-site training also facilitates adoption of GD&T principles to specific industrial requirements.

- Client Support.** After coursework is completed, AGI instructors demonstrate genuine concern beyond the classroom to help students make a positive impact on their organizations. We help them apply their knowledge to real world situations. If organizations can't reap the economic benefits of GD&T, then the training is only academic.

Continued support is also available through free refresher courses and 60 days of instructor availability for GD&T questions that arise after courses are completed.

- Measurable Results.** On request, we can test student comprehension both prior to and after completion of the GD&T course. This gives students the opportunity to gain instructor assistance with any unclear concepts before the course is finished. Companies find testing useful because they receive feedback on the immediate results of training.

- Consulting Services.** AGI can help you solve specific GD&T problems or we can help you develop and implement standardized dimensional management systems to improve your company's productivity. We'll show you how GD&T helps you reach your design, manufacturing, and profitability goals.

AGI's consulting services include review of product drawings and measurement plans for meaningfulness, reasonable tolerances, and critical tolerance stacks. We also interpret drawings and plans for customers and suppliers. Our design and tolerance analysis services include design checking, tolerance stack analysis, and design reviews.

8. **Career Development.** Successful businesses invest in employee development. This is how leaders in any industry maintain competitiveness and profitability over the long term. AGI can be your partner in employee career development.

Many companies choose to augment AGI's comprehensive training courses with our Employee Mentoring Program. We work side-by-side with your staff to implement training course concepts in your products and designs. AGI's Employee Mentoring Program is an expedient way to put GD&T into practice at your firm while demonstrating its value to staff members.

Top employees are attracted to top businesses and AGI can help your business be one of them.

9. **Quality References.** AGI has earned a loyal customer base that includes several Fortune 1000 companies such as Caterpillar, Harley-Davidson, DePuy Orthopedics, Rolls-Royce and BAE Systems. We also work with defense contractors and manufacturers of precision medical devices. Our client relationships are long-term because we successfully help clients improve design, reduce costs, and deliver products to market faster.

10. **Return on Investment.** Whether you're pursuing ASME certification for individual career development or seeking to implement GD&T principles on an organizational scale, AGI training courses and consulting services are designed to yield maximum value for your investment. Our rates are competitive in comparison to other leading providers of cutting-edge GD&T education.

Our instruction is current, comprehensive, and cost-effective. With AGI instruction in GD&T, you'll get the confidence you need to implement these concepts in your organization and benefit from greater design and production efficiencies.

Learning how to properly use and manage GD&T is an investment, not a cost. This is true because the costs of not utilizing GD&T properly can be substantial. Vague drawings lead to errors that become more costly at each stage of the production process.

If errors are found in the design stage, the cost to correct is minimal. If errors are found in the model stage, the cost to correct is still relatively low. But when errors enter the production process, costs can escalate rapidly. The costs of corrective measures increase geometrically into the hundreds of thousands or higher.

No business can survive taking unnecessary risks like that. An investment in AGI GD&T training is a cost-effective means for businesses to better control their futures in today's competitive market.