

5-Axis Machine Accuracy Training East Hartford, CT

presented by IQL Independent Quality Labs, Inc.



hosted by Connecticut Center for Advanced Technology, Inc. (CCAT)

Course Abstract

This three-day course on 5-Axis Machine Tool Metrology Applications provides the understanding and application of fundamental metrology principles specific to the testing and improvement of 5-axis machine tool accuracy. Through lecture and demonstrations, focus is placed on the importance of functionally significant tests, the proper use of terminology for describing these tests and parametric test procedures as outlined in ANSI and ISO machine tool standards. Demonstrations of the latest in 5-axis measurement technology will be featured.

Visit http://www.iqlinc.com/training/5axis_ma.htm for full course details.

"Excellent content, well presented, a great value." - Applications Engineer

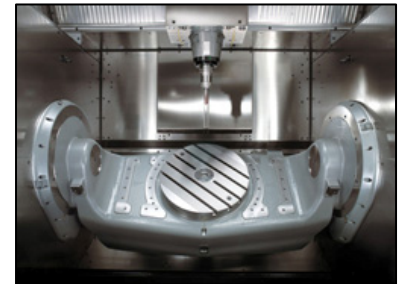
Date: TBD...Contact us today! info@iqlinc.com

Time: 8:00 AM – 5:00 PM

Location: CCAT – East Hartford, CT

Registration Fee: \$1295

Deadline: TBD



What You Will Learn

By attending this information-packed program, you will...

- assess, characterize and understand the accuracy errors of multi-axis machine tools
- identify the necessary tests for particular machine errors
- create specifications based on standards
- learn misconceptions of "pitch error" or "axis" compensation
- communicate in terms used and understood by the machine tool community
- prescribe the correct standard test procedures
- compare the accuracy of similar machines and predict performance
- make informed purchase decisions
- discover the importance of proper foundations and machine mounting
- identify adjustments to improve performance
- understand the relationship between machine performance and on-machine measurement

Visit http://www.iqlinc.com/training/5Axis_Machine_Accuracy_Agenda.pdf for full course agenda.

Basic Skills / Prerequisites

To attend this course, you should have a familiarity with machine tools (lathes, milling machines, turning centers, machining centers, etc.) and their functions, terminology, and applications. You should also be proficient with shop level math (trigonometry, algebra, geometry, etc.).

Instructors



Robert (Buz) Callaghan, MSME, is the Senior Engineer at IQL Independent Quality Labs, Inc. He has over 47 years experience in precision tool and machine design and metrology. Buz has published numerous papers on the accuracy of CMMs and CNC machine tools. He is an active member of the ASME standard committees: B5.54 "Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers," and B5.57 "Methods for Performance Evaluation of Computer Numerically Controlled (CNC) Lathes and Turning Centers," as well as a supporter of ISO 230 Test Code for Machine Tools. His expertise is sought after by those in the manufacturing community who want to understand machine behavior.

Host Facility

The Connecticut Center for Advanced Technology, Inc. (CCAT) is a nonprofit corporation that provides services and resources to entrepreneurs and businesses and, through collaboration with industry, academia, and government, helps companies innovate and compete, thereby strengthening our nation in the global market. CCAT is located at 409 Silver Lane, East Hartford, CT 06118. Please visit <http://www.ccat.us/directions.php> for directions.

Schedule & Registration

Registration Fees: \$1295

This fee includes all text and note materials, continental breakfast each morning and lunches each day of class. Interested parties may register through IQL at https://www.iqlinc.com/training/5axis_machine_accuracy_registration.htm.

Companies sending more than one attendee will receive a **10% discount** on each additional registration.

Sign-in:

7:30 AM - 8:00 AM Tuesday

Course Hours:

8:00 AM - 5:00 PM Tuesday through Thursday

IQL Contact

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