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## FOR IMMEDIATE RELEASE

### **Advanced Machining Process Diagnostics, a Course on Tolerance Consumption Budgeting and Machining Outcome Prediction, is Offered by IQL in April**

**Ashaway, RI – February 18, 2011** - IQL (Independent Quality Labs, Inc.) is offering [Advanced Machining Process Diagnostics](#), a seminar that provides a practical understanding and application of tolerance consumption budgeting for machining process diagnostics and corrective actions. The three day session from April 12-14, 2011, is offered in IQL's new manufacturing and training facility in Ashaway, RI. Methods for predicting tolerance consumption for machining operations based upon desired features, tolerances and machine tool capability will be presented.

Through lecture and case work, focus is placed on the [primary tolerance consumers](#) within machining processes (machine tool positioning capability, thermal effects, process variability and inspection capability); standard terminology for describing these effects, as well as straightforward analysis methods and tools for science based diagnostic analysis. The seminar will include multiple machine tool types (Horizontal and Vertical Machining Centers) and will demystify methods to associated toleranced part features (size, form, position, etc.) with specific machine parametric errors (linear displacement, reversal, repeatability, pitch, yaw, roll, straightness, squareness, etc.). Students will develop tolerance consumption budgets and machine tool performance models via selected case work.

The course is recommended for design engineers, manufacturing engineers, and technicians concerned with developing, deploying and maintaining successful and stable machining processes.

For seminar registration, contact Charlotte Gardiner 1-866-549-2920 or visit [http://www.iqlinc.com/training/adv\\_mpd.htm](http://www.iqlinc.com/training/adv_mpd.htm).

#### **About IQL Independent Quality Labs, Inc.**

IQL is a leader in the development and application of methods and tools for improving machining processes by aligning machine tool positioning capabilities with part feature tolerance requirements. The company's technology uses machine tool behavior to diagnose and resolve manufacturing issues related to challenging feature tolerances. With more than twenty-five years of experience, IQL is the preferred resource for manufacturers; combining tools, methods, training and on-site services to better understand and manage manufacturing processes.

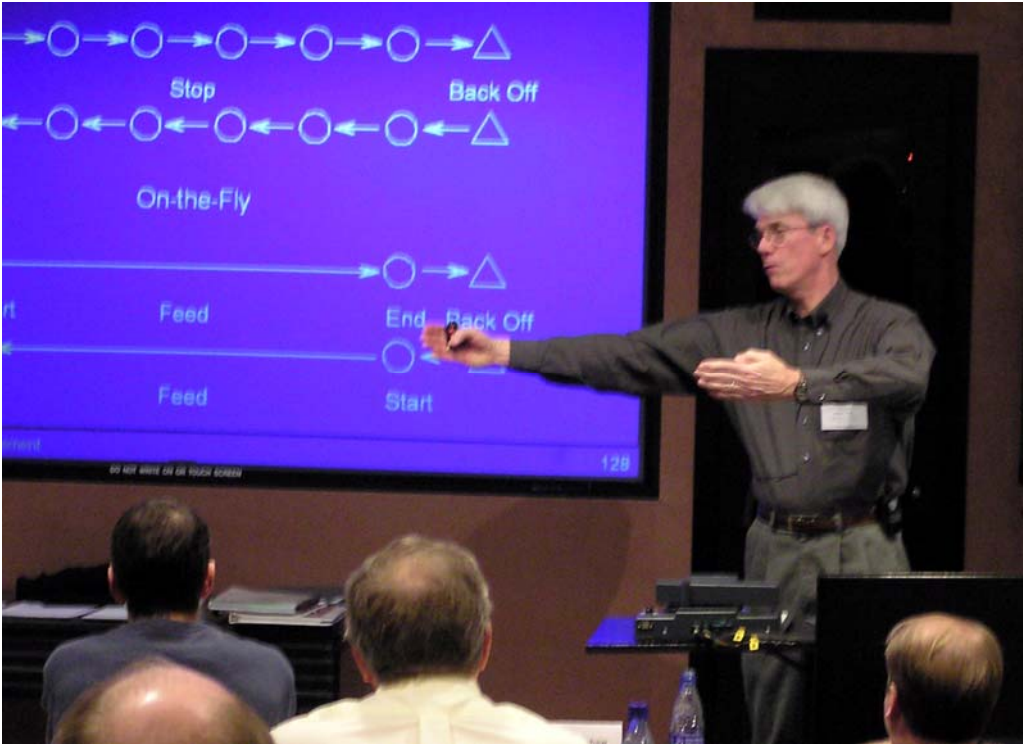
The IQL training facility, located in Ashaway, Rhode Island, is less than 30 minutes from maritime exploration in Mystic (Seaport and Aquarium) and world-class entertainment venues in Uncasville (Mohegan Sun) and Mashantucket (Foxwoods), Connecticut, as well as less than 1 hour from artistic and historic Providence and Newport, Rhode Island.

For more information contact: IQL 15 Gray Lane, Suite# 401, Ashaway, RI 02804.  
Telephone: 866-549-2920 Email: [info@iqlinc.com](mailto:info@iqlinc.com) Visit our web site at: [www.iqlinc.com](http://www.iqlinc.com).

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IQL Training Facility



Training at IQL