



# The Gage



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*American Measuring Tool Manufacturers Association*

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## Presidents Message - Norm LeDuc Vermont Gage



Greetings AMTMA members!

Fall is here, the leaves are falling, and we have frost on the pumpkins. We are heading for the holidays and year end and then start all over again in 2008.

It's been a fairly quiet year for the AMTMA. We are in good shape financially, so Jim Popovic and I will probably have to go to Las Vegas to discuss plans for the March meeting.

Our Round Robin is about to kick-off. We expect the artifacts back from NIST any day now. We have 18 companies signed up, which means it will probably be a year before we can put the numbers together. We will be discussing a second Round Robin for 2009.

We have a lot of interest in members attending our March 2008 Annual meeting. The meeting dates are March 12 - 14, 2008 at the Chaparral Suites Resort in Scottsdale, Arizona. You can check them out at: [www.chaparralsuites.com](http://www.chaparralsuites.com). I would recommend booking your flights early; it's a busy time of year.

I am pleased to extend a warm welcome to our newest member, Greenslade and Company located in Fort Worth, Texas ([www.greensladeandcompany.com](http://www.greensladeandcompany.com)). Please extend your welcome wishes to Larry McLaughlin and Larry Borowski.

As always, we ask for your comments and suggestions and invite you to get involved in one or more committees.

As this will probably be our last newsletter for the year, please accept my best wishes for Happy Holidays.

~ Norm LeDuc



# Support the AMTMA



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**SPRING MEETING**  
March 12 - 14, 2008

**WESTEC**  
March 31 - April 4, 2008

**EASTEC**  
May 20 - 22, 2008

**QUALITY EXPO Detroit**  
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## AMTMA ROUND ROBIN REPORT

By: Jim Popovic

N I S T has advised us that they will be finished measuring the gages for the Round Robin Testing in about two weeks.

We will then start circulating them among the participants. Please remember we need to get them turned around in a two week period.

We currently have 17 companies that will be participating in the first round robin testing. We will not be able to accept any more companies at this time.

## MEMBERSHIP COMMITTEE REPORT

By: Rosemary Garvey

The committee would like to extend a warm welcome to the folks at Greenslade & Company located in Fort Worth, Texas who have recently joined the AMTMA.

We hope to be hearing soon from more of the companies that have expressed interest in joining our organization. Jim Popovic has been busy mailing out information/application packets to a number of companies, including Dorsey Gage, Inosys, L.F. O'Leary, Precision Devices, Precision Gage & Tool, Precision Industries, Solartron Metrology/ AMETEK and Tool & Gage House. If you are in contact with any one of these companies, please extend your own personal invitation to join the AMTMA.

You can also help us maintain our membership recruitment momentum by passing along the name of any company that you think might be interested in our organization. Send your contact information to Jim, Norm or to one of the members of our committee: Rose Garvey, Rolf Knittel, John Mead or Barbara Bishop.

One last order of business: As we approach the end of the fiscal year, we are pleased to report that all dues are current. Thank you for your cooperation.

## MASTER GAGE & TOOL OPEN HOUSE / METROLOGY SEMINARS

By: John Mead



Master Gage & Tool Company recently held very successful and well-attended open house and metrology seminars at their Danville, Virginia facility and in Columbia, South Carolina.



Included in these day-long activities were technical presentations provided by Walt Wardzala of Mitutoyo on Hardness Testing procedures, applications and recent ASTM Standards and also presentations by Mike Wolfe and Marty Whitted of Nikon Instruments on Digital Imaging in Industry.

## NEW LTI WEBSITE & BROCHURE IMPROVE ACCESS TO INFORMATION

By: Sharon Bentzley



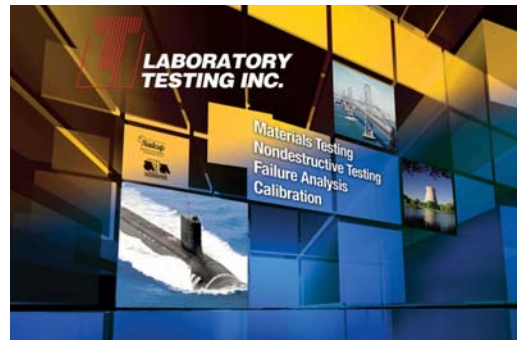
Hatfield, Pennsylvania - Laboratory Testing Inc. (LTI) recently unveiled its new company brochure and website for convenient access to information on LTI capabilities, accreditations and quality program. The 8-page, full-color brochure provides an overview of the wide-range of materials and nondestructive testing, calibration, failure analysis and specimen machining services offered by LTI. The website, [www.labtesting.com](http://www.labtesting.com), covers quality, service and delivery solutions that help Laboratory Testing customers reach their goals in this increasingly demanding marketplace. The website has an easy-to-navigate format and presents information by service categories,



as well as by customer industries. Customers have easy access to literature, quotes and the company's quality manual. The design of the brochure and website coordinate with a new tradeshow display created earlier this year. The first piece in LTI's new royal blue and gold "look", says Sharon Bentzley, LTI's Marketing Manager.

Laboratory Testing Inc. of Hatfield, Pennsylvania, is an independent laboratory specializing in materials testing, nondestructive testing, specimen machining, failure analysis and materials-engineering services. The calibration lab, LTI Metrology, performs dimensional, mass, pressure, force, torque, and vacuum calibration services traceable to the National Institute of Standards and Technology

(NIST), as well as field service for surface plates, CMMs, optical comparators, hardness testers, scales/balances, testing machines and hand tools. Information on LTI services and accreditations is available at [www.labtesting.com](http://www.labtesting.com) or 800-219-9095.



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## AMTMA NEWS LETTER REPORT

By: Jim Popovic

The B1 meetings were held on October 16 – 18, 2007 at the Holiday Vanderbilt Nashville, Tennessee.

### ASME B1 Thread Committee Reports

#### B1.2 Gaging for 60° Screw Threads

Sub Committee 2 met on October 16 and reviewed sections 4.9 thru 4.9.3.4 in the B1.2 document on Differential Gaging (Internal Threads). The committee made some changes to the verbiage in these sections.

I have not received the minutes of this meeting yet, so I cannot report the changes that were made at this time.

#### B1.9 Gaging for Buttress screw thread gaging

Nothing new to report at this time.

#### B1.20.1 Gaging for NPT Screw threads

A proposal was made to change the reference point of external gaging. Many agreed with the idea, in theory, that the chamfer smaller than the minor diameter reduces the engagement. It was felt by some that there are very few problems experienced due to this condition. Many agreed that measurement, especially when the last scratch is not visible from the end, would become extremely difficult and cumbersome.

The fact that we do not control the chamfer in NPT (like the SAE AS7105 does) contributes to the potential variability in product threads. Again, there is some agreement that controlling the chamfer (length, angle) would have benefits. Controlling the chamfer, however, could have detrimental effects on producers and add complexity to measuring the external thread.

A drawing was furnished and a motion was made to change the language of the current standard to add, "or the last scratch on the chamfer cone when the chamfer exceeds the minor diameter of the external thread". More discussion followed, and it was mentioned that the internal thread is currently dimensioned from the last scratch when the chamfer diameter is larger than the minor diameter. While changing the external practice to match the internal would provide some apparent consistency, some suggested that the practice is being ignored for the internal and the same might happen with external (due to the difficulty of the revised measurement method).

It was agreed that more information was needed to make a decision. It was suggested that some sample parts and gages be brought to the next meeting as visual aids.

#### ASME Working Group On Calibration

Alan Barrows reported that A2LA is still waiting for the completion of our work and recommendation for calibration.

We continued to review of current calibration requirements in the B1.2. We reviewed the draft, dated September 1, 2007. This draft incorporates changes from the May 8, 2007 meeting in Orlando, Florida to the draft dated May 1, 2006. We reviewed, added, and changed wording in sections 1.4.6 through 1.4.8. We also added sections 1.4.6.1. (Work Plugs, Truncated and Full Form Thread Setting Plugs) and 1.4.6.2, (Progressive Thread Setting Plugs).

There was also a discussion on the calibration procedure of thread measuring micrometers.

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## HEMCO GAGE PROMOTIONS

By: Chris Wysong

Hemco Gage is proud to announce that Mrs. Renee M. Wilson has been appointed as Corporate Human Resources Manager. Renee brings over eighteen (18) years of human resources experience to Hemco Gage. Mrs. Wilson began her career with Manpower of West Michigan, moving to Perrigo in Allegan, Michigan prior to joining Hemco Gage. Mrs. Wilson will be responsible for all aspects of our human resources including hiring, employment practices, benefits, and training and development; in addition to safety, environmental and quality compliance.

H. E. Morse Co., commonly known as Hemco Gage, was founded in 1946 and shortly thereafter, a unique plating process was developed. During the Korean War, H.E. Morse Co. began manufacturing thread plug gages for the U.S. government. The unique plating process was applied to chrome plating of the gages, giving them up to 400% longer life than standard tool steel gages. The organization, now commonly known as Hemco, manufactures a full line of fixed limit gages and variable gages. Hemco also manufactures gages to American Petroleum Institute (API) specifications and is one of only two manufacturers in the United States licensed to manufacture API Master Gages. Hemco's products are recognized throughout the world for their longer life and outstanding quality. Hemco's manufacturing facility is located in Holland, Michigan, USA.

Hemco Gages is proud to announce that Mr. Jason Snoeyink has been appointed Materials Manager. Mr. Snoeyink brings fifteen (15) years of materials management experience to Hemco Gages. Mr. Snoeyink will have responsibility for finished goods, shipping, order follow up, purchasing and scheduling, along with special projects.

Mr. Snoeyink began his career with Gordon Food Services, demonstrating his leadership and managerial skills by rising through various positions of increasing responsibility. Mr. Snoeyink led several start up teams and was an integral part of many acquisition roll-ins. His experience leading people, creating and instituting new systems and procedures, along with his customer relationship skills will add to Hemco's already industry leading reputation as a customer driven company and the gaging experts.

Hemco Gages is proud to announce that Mr. Steve Bush has been promoted to Plant Supervisor. Mr. Bush brings twenty (20) years of inspection and manufacturing experience within Hemco Gages to his new responsibilities. Mr. Bush most recently held the position of Production Supervisor with responsibilities for the Under 2" product line and Inspection.

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