



The Gage

SEPTEMBER 2013

American Measuring Tool Manufacturers Association

Look at Some of the Ways AMTMA Can Help Your Business and You:

- Network Among Your Peers & Keep Abreast of Industry Trends
- AMTMA annual meetings
- Technical Services, Including Round Robin Programs and Educational Workshops.
- Business Surveys
- Regulatory Support
- Human Resources Support

President's Message – STEVE PIKE

Mitutoyo America Corporation



Dear AMTMA members,
“Greetings and best wishes to all”

As we finish up 2013 and move into 2014, I think we as AMTMA members will have to depend on each other more than ever in order to recognize and prepare for the new challenges ahead.

The stock markets are near record highs, interest rates are near record lows, housing starts and prices seem to be rising every month, but I still feel like saying... “Are we there yet?” I think so!

It's been a long dry spell for many, but we can say the worst is behind us and our future supplying manufacturing operations in the USA, (Canada too, Hill), and overseas looks bright.

All of our primary industrial markets appear to be strong including Energy, Transportation, Aerospace, Medical, and even Defense, in spite of the “Sequester”. They all continue to invest in our products and services.

New challenges now face us as this economy ramps up. Examples of items for discussion in the months ahead include:

- 1.) Maintaining reasonable pricing to our customers.
- 2.) Finding and keeping qualified help. Are others besides me seeing apprentice or apprentice type programs starting up again?
- 3.) The effect of the internet on our sales. Will we all be dependent on Amazon and Google?
- 4.) China, India and other producers have slowed their growth. Will they return to the pace they were once at and if so, how will that affect us?

There are many more subjects for us to be watchful of, these are just a few. I'm not sure if World economics or US Economic or even Regional Economic conditions accurately reflect the conditions we face as AMTMA members. We are in a niche business. “Small fish in a smaller Pond”. Let's face it; the Pet Food business is much larger than ours! General economic information can be helpful but since most of our businesses are somewhat unique, the best resource for us should be each other. Fellow AMTMA companies have a wealth of experience and knowledge that we should take advantage of. I hope we can all re-commit to becoming more active members, attend the meetings whenever possible and support the association and each other along the way.

As events happened, I was asked to serve as president one more year. I was happy to do it. I look forward to seeing all of you at our 2014 meeting.

Best Regard,
Steve

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Support the AMTMA



New AMTMA officers for 2013 / 2014

President: Steve Pike, Mitutoyo America Corp.
Vice President: Larry McLaughlin, Greenslade & Company
Secretary: Dawn Stamberger, PMC Mercury

New Board Members

Congratulations to the following three members that were elected to serve on the AMTMA board of directors for the next three years.

Jim Upton- Zero Check
Darryl McIntosh- Vermont Gage
Richard Vallance- Glastonbury Southern Gage

Thanks to the following members that are coming off the Board for all their efforts for the past three years.

Monica Greene- Vermont Gage
Ron Barry- Ulrich Metrology
Blain Mead- Master Gage & Tool

MEMBERSHIP AWARDS

Vermont Thread Gage	10 Years as a AMTMA member
Greenslade & Company	15 Years as a AMTMA member

**Spring Meeting
2014**
MARCH 18-20, 2014
Chaparral Suites
Scottsdale, AZ

Plan now for the March 2014 Annual Meeting!



Mark your calendar for March 18-20 2014 for the next Annual General Membership meeting of the AMTMA at the Chaparral Suites in Scottsdale, AZ.

Topics are being planned to include Technical sessions and other business topics.

We are also planning on having a plant tour.



Please let me if you have any topics you would like to address at this meeting.

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ASME B1 Thread Committee Report

The ASME B1 thread standards meeting was held April 30 – May 2, 2013 in Las Vegas, NV Following is the report on these meetings.

B1.1 60° product threads:

Nothing new to report

The revised B1.2

The issue of NOTGO gage Addendum was resolved. It was voted to leave the calculations as they are and Chairman to add a note giving a second option of standard after-plating adjusted by twice the minimum plating thickness. It was agreed to increase the NOGO crest tolerance to twice the standard tolerance.

B1.5, acme threads:

No new activity

B1.8, stub acme threads:

Will be revised soon

B1-9, buttress threads:

Some changes proposed for symbols and wording.

B1.20, pipe threads:

During the May 03, 2012 meeting, the Secretary noted that the May 02, 2012 B1 SC 20 a motion was approved to recommend to the B1 Standards Committee the approval that B1 SC 20 not use rounding standard ASME B1.30 in the on-going revision of ASME B1.20.1. The motion was discussed and it was agreed that it will be tabled pending a formal presentation by the original motion sponsors, outlining how following B1.30 will adversely affect the B1.20 Standard. The presentation will be submitted to the Secretary within a month. At that point the Secretary will issue a letter ballot for the approval of the original motion including the presentation.

Working group on thread gage calibration:

Continued to review of IFI-301 from section 18.

- Keep section 18 for insertion into B1.2
- Section 19.1.1, should be kept with modification to use either pin or threaded member.
- Section 19.1.1.1 & 19.1.1.2: Both of these sections will be re-written to get the correct verbiage into it.
- Sections 19.2 thru 19.4 are being re-written as they pertain to gaging elements or contact points of the variable gaging.
- All Appendix items from IFI-301 will not be used in B1-2 as most of it has already been addressed in the body of the document.
- Tables 12, 13, & 14 are already incorporated into the body of B1.2.

B1.10 unified miniature screw threads: The B1.10-2004 unified miniature screw thread document is current and available from ASME.

ASME SC1.25 Working Group on Uncertainty of measurements

Reviewed draft of B1.25

Hill Cox to send the B1.25 document to the B89 group for “comment” only.

Section 4.3 on thread measuring wires. Add note to change some verbiage.

FED-STD-H28

There have been no revisions to the FED-STD-H28 or any of its sections since the last report. Mr. John McCarrick, Defense Supply Center Philadelphia, reported that preparation of an update for FED-STD-H28/9A, Gas Cylinder Valve Outlet and Inlet Threads, has been considered. It was decided that DSCP does not have sufficient resources to prepare the update on a low priority basis. Therefore, any proposals for revision will be evaluated and coordinated.

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NEXT ASME B1 MEETING

**October 8-9-2013
Hyatt House Scottsdale
4245 N. Drinkwater Blvd.
Scottsdale, AZ. 85251
Tel. 480-946-7700**

ANNOUNCEMENTS

Brunswick Instrument

After nearly 40 years in the same location, AMTMA member Brunswick Instrument LLC has moved from Illinois to Wisconsin.

There new location is 21535 County Hwy.X, Kiel,WI. 53042.

Hemco Gage Co.

Hemco welcomes several new folks to their team. Keegan Post has joined us in the position of Manufacturing Engineer. Keegan joins us after graduating from Michigan Technological University and after have completed a summer internship with Hemco in 2012. Keegan’s role is responsible for the standardization of our manufacturing processes, new capacity investments and process improvements; James (Jim) Gardner joins us in the role of Corporate Quality Systems Manager. Jim comes to Hemco with many years of experience in Quality Systems. His role is responsible for the maintaining of Hemco’s A2LA ISO 10725 and API Q1 certifications, along with our continued participation in NAPT Proficiency Testing. Mike Tyink has accepted the role of Specifications Engineer. Mike joins Hemco with 30 years of gaging design, quoting and customer service experience. Mike’s role is responsible for the design, quotation and specifications of special gaging.

Hemco announces that after 60 years of service, Junior (Jun) Hop retired in July, 2013. Jun’s service spans from the years when Hemco was manufacturing fountain pen nibs and gold plating them, as well as designing and manufacturing ballpoint pens under the Morse Flo-Ball brand, through the successful effort to develop a proprietary chrome plating process and tooling up for the manufacture of thread and cylindrical gaging using WWII vintage equipment and then into and through the turbulent 1960’s. Jun saw us add the first “new” technology in our processes in the 1970’s when we added Reishauer Thead Grinders. Jun worked on the installation of Hemco’s first CNC equipment in the 1980’s and was part of the team that upgraded and replaced the WWII technology throughout our entire manufacturing flow beginning in the 2000’s and completed by the end of 2010. Jun experienced the cultural and generational shift from the founder of H.E.Morse Co., Henry Morse, serving under Mrs. Morse after Henry’s untimely death in 1967, through the sale of Hemco to Larry Wysong in 1977 to the next generation of ownership now, Jun’s expertise, knowledge, dedication and humble servant heart kept our WWII Reishauers and other manufacturing equipment running smoothly throughout all these years. He taught and mentored many folks on our maintenance team. His faith keeps him positive. Grounded and always looking to help another. Hemco Gage and the Wysong Family wish to express our deepest affection, respect and admiration for Jun. We will miss his ready smile, warm handshake and his annual Christmas gift to each member of the Hemco Gage team.

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Mark T. Izumi

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Mitutoyo America Corporation Announces Ground Breaking of New Corporate Headquarters

(Aurora, IL) Mitutoyo America Corporation, the world's largest provider of measurement and inspection solutions, is pleased to announce the ground breaking for a new corporate headquarters building located at 945 Corporate Boulevard in Aurora, Illinois.

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The 159,300 sq. foot, multi-million dollar facility will include a state-of-the-art M³ Solution Center offering the ability to provide interactive product demonstrations; a world-class A2LA Accredited Calibration Lab, supported by fully staffed Field Service and Repair departments; abundant warehouse space necessary for timely distribution of product, parts and accessories; a premier educational facility (Mitutoyo Institute of Metrology), for all training and instructive metrology resources; and free flowing office areas to encourage inter-departmental collaboration and communication.

“Our goal is to provide high-tech, best-in-class metrology services and solutions to our customers and their subsidiaries. The new facility will accommodate all the departments at Mitutoyo so everyone functions cohesively as one all-encompassing team to meet the needs of our customers,” states Shigeyuki Sasaki, President; Mitutoyo America Corporation.

To assist with the funding for the new construction Mitutoyo turned to the City of Aurora and a newly approved Tax Increment Financing (TIF) district. This district was developed to stimulate economic development, enhance community vitality through creative growth solutions and provide incentives to corporations to attract private development. Without the support from the City of Aurora and funding through this TIF district, the new headquarters building would not have been pragmatic for Mitutoyo.

The new facility is expected to open in the fall of 2013, which coincides with the celebration of Mitutoyo America Corporation's 50th Anniversary. Mitutoyo Corporation is the world's largest provider of measurement and inspection solutions offering the most complete selection of machines, sensors, systems and services with a line encompassing CMM (Coordinate Measuring

Machines), vision, form and finish measuring machines, as well as precision tools & instruments, and metrology data management software. Mitutoyo's nationwide network of Metrology Centers and support operations provides application, calibration, service, repair and educational programs to ensure that our 6,000+ metrology products will deliver measurement solutions for our customers throughout their lifetime.

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PROFICIENCY TESTING?

By Hill Cox
AMTMA Technical Committee

Members with accredited calibration services are always under the gun to participate in proficiency testing once a year. The idea behind this requirement is a good one: it enables you to confirm your technical capabilities. There is a benefit to the accrediting agency as well. Their assessors don't have to be all that knowledgeable on the technicalities of what you do. Unless the numbers are wonky.

Essentially, the process is like round robin tests the AMTMA has conducted over the years. A number of labs measure the artifact (s) and their results are statistically analyzed to produce a 'reference value' to which labs measurements are compared. This process might be more accurately referred to as 'consensus testing' because the reference value is derived from data from the group.

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To illustrate my point using an off the wall example: if thirty labs all measured a pitch diameter using their digital hand held micrometers, a reference value they could live with would result because they would be reasonably close to each other. However, if one lab used a bench mike or a UML type device its readings could appear off the mark by comparison and result in it failing the test. Whose readings would you bet the mortgage money on?

Another way to produce a reference value is to use the readings from one lab as the bench but that could end up with problems of its own unless NIST is used

In addition to these potential problems, another concern is the limited availability of organizations offering the service. Only two are accredited by A2LA and the costs are high in my opinion. Depending on which you use, you may have to wait for months before they repeat a test you want.

Some years ago I put forward a suggestion that went now here but maybe it's time has come. Have the AMTMA provide such a service for a fee which could bring more members and funds into the organization. A radical thought I know, but then I'm a wide eyed radical as most of you know.

AMTMA YEARLY DUES FOR 2014

At the 2013 Board Directors meeting, the board voted to raise the yearly dues by 15% for 2014. There has not been an increase in dues for over 10 years. With this increase all members will have a Hot Link on the AMTMA website. For most of our members this will actually be a savings because there will not be the \$ 250.00 fee for the Hot Link. Please review your listing on the website and advise me of any changes that need to be made.

Jim Popovic / Managing Director

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MARCH 2013 AMTMA MEETING

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Nick Bosworth and Dawn Stamberger
PMC Gag



Ray Stark – Micro Quality
Larry McLaughlin- Greenslade & Co.



Steve Popovic- Cleveland Specialty
Richard Vallance - GSG



Bill Fridman & Mark Fridman
Mark- 10 Corp.



Steve Harrington – Western Gage Co.
Michelle Bangert – Quality Magazine



Jim Popovic AMTMA
Don & Nan Moors – Western Gage

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**Jay Upton & Tim Zwick
Zero Check**



**Hill Cox – Frank Cox Sales
John Gehret – Vermont Thread Gage**



**David & Cindy Francis
Fred Fowler Co.**



**Barb Bishop –
North American Tool Corp
Darryl McIntosh – Vermont Gage Co.**



**Larry McLaughlin – Greenslade & Co.
15 Year Member Award**



**John Gehret – Vermont Thread Gage
10 Year Member Award**

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