

From the desk of...

2002110

I'm writing this column at 32,000 ft. on Japan Airlines Flight 10 upon my return from the Asia 2002 workshop in Singapore. This workshop, co-sponsored by EI and MFN, is growing in popularity. We had 60 students attend this year and over half participated in the examinations. The workshop was further supported by several company commercial exhibits which added to the educational experience.

Tom Brickley, general manager of EI, joined me on the trip again this year and helped to display our products in the exhibit booth. We were able to visit with many former students and customers and learn more about the control technology practiced in Asia.

After four wonderful days in Singapore, we then stopped in Tokyo to visit with our distributor Mr. K. Kusano, key customers Sintobrotator and Sintokogio, and IKK Itoh Kikoh. We were also joined for lunch by Yoshihiro Watanabe (President of Toyo Seiko Co. and member of the Japan Society for Shot Peening). Travel abroad is always an enriching experience both for culture and technology. The attention to detail in machine design and process control is very prominent in Asia. Students are very interested in gaining knowledge and receiving their training certifications. (The training material we use is taken from the presentations we developed for training of FAA inspectors).

○ What's next?

August: Tom and I will be traveling for two weeks to Norway, Denmark and Sweden for commercial visits and peening seminars. September: The 8th International Conference on Shot Peening in Garmish Partenkirchen, Germany (web site www.shotpeening.org). Check out the web site for listing of the papers that will be presented. October: The 12th annual workshop on Shot Peening and Blast Cleaning in Anaheim, California. Bring your Halloween costume and visit Disney Land after the workshop. We have a much larger group of commercial exhibits this year. Special booths will be provided for Purdue University and FAA. We have also added several new topics and speakers to the agenda. The annual "Shot Peener of the Year" award will be announced at a luncheon banquet. For more information, including list of registered delegates visit our web site www.shotpeener.com). November: EI open house and distributor training session in Mishawaka.

○ Apology

I goofed. Big time. I agreed to work on a project that I discovered I could not complete. EI and MFN had planned to offer self instruction for shot peening training by drawing upon our workshop material. It sounded like a good idea. At first. But, the more I tried to convert my power point presentations into meaningful self-instruction the more frustrated I became. I then hired a consultant in curriculum development and started to see the enormity of the challenge. Then, in desperation I contacted key people in the industry, Boeing, US Air Force, FAA and asked for their guidance on this



Jack Champaigne

project. Their recommendations unanimously pointed in the same direction as my consultant. "Don't try this approach. Instructor knowledge and classroom feedback is absolutely essential to a positive learning experience."

So, my deepest apology to all of the readers of The Shot Peener and especially the readers of MFN, our partner on this project, and also to those people that responded to the advertising and promotion.

○ Trends in technology

I've noticed for years, while teaching the workshops or on-site training, the requirements for intensity confirmation are not very clear. New set-ups require the

Almen saturation curve, 4-Almen strips and the 10% rule.

Confirmation requirements are ambiguous. Some people use one strip at Almen saturation time. Some people use two strips, one at saturation time and the next at twice saturation time (T and 2T). In either case it isn't clear what an acceptable result is. Some say the result must be within the intensity tolerance on the drawing. Others say it must exhibit 10% relation between the two strips. A major problem arises when two or more Almen strips are mounted onto the test piece, especially if the saturation times are not identical. See our web site "Learning on-line" for a more detailed description of the problem and possible solutions.

○ Coming soon to EI

We recently assisted a customer in the selection of peening parameters for a complex aerospace component. Recognizing this as a new market opportunity we now plan to offer a peening parameter development service to optimize the peening process for maximum fatigue life. Using fatigue specimens and customer-supplied parts we can help select the proper media, intensity, and coverage as well as the best type of machine.

○ OEM proposal training now available from EI

OEM's that are making proposals for shot peening machines, especially for U.S. military installations, can benefit from our specialized training regarding the MIL-S-13165 and other requirements. Occasionally the equipment specified in the RFQ makes vague or incomplete references to some of the more subtle requirements. Once the machine is presented for run-off or acceptance it is often very expensive to make changes necessary to achieve compliance. It is not uncommon for us to "discover" these problems during an on-site training session.

We've Moved

Electronics Inc. moved into a new corporate facility in June. We have greatly increased our warehouse, training and manufacturing capabilities. More information coming soon...
New address: 56790 Magnetic Drive, Mishawaka, Indiana 46545