

## MFN's 2 day Shot Peening and 1 day Flap Peening Workshop, Singapore, September 2022

**W**e wondered what life would be like on the other side of the pandemic. There was a long wait for life to get back to normal and finally it did, and for good. We all lost someone close to us in the pandemic, a loving tribute to them. For the rest of us who made it we begin afresh and now back to business!

Even though “webinars” had temporarily replaced “classroom” training, now it was the time to turn back to “classrooms” again, a welcome relief from the virtual world.

The eagerly awaited annual Shot peening training workshop in Singapore kicked off on a very positive note. There was full house participation this year, to the point that some of the last-minute entries had to be denied. It was a three days event, 2 days for Shot peening training and 1 day for Flap peening training.

It was a landmark year for venue of training ARTC or Advanced Remanufacturing Technology Centre, which celebrates completion of 10 years of successful co-operation of Government, Industry and University.

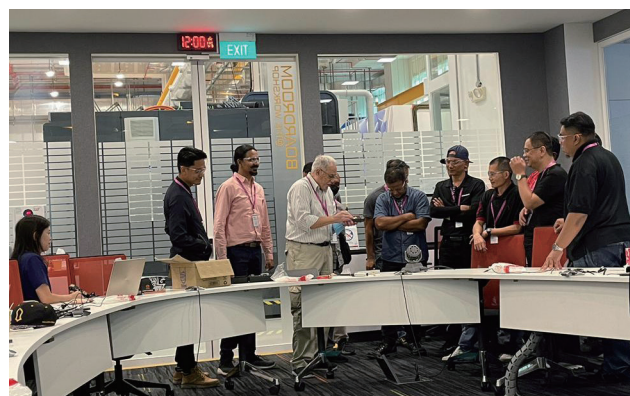
Day 1 was level 1 or the Basic level training, the introduction of the fundamentals of the shot peening process. Understanding the meaning of various terminologies and its relevance in process control. The 8 hours of theory session was followed by evening basic practical session on a state-of-the-art Robotic shot peening machine at the ARTC.

Day 2 for level 2-3 or the Intermediate-Advance level training, the revisiting of importance of various parameters in detail. This level throws light on how the tensile compressive stresses affect the life of components. It makes sense to understand what happens below the surface while we are also talking of what happens above. The participants get to see the whole picture. Again, this was followed by evening advanced practical session on the equipment.

Day 3 was Flap peening course, the session is designed for



From left to right are Ronak D. Shah (MFN trainer), S.H. Tan and Jess Tan (MFN Organizers), Shlomo D. Ramati and Rishabh Shah (MFN trainers)



Flap peening training



Practical training at DIGITAL SMART CNC peening machine from Abrasive Engineering





Impressions from the class room

morning half theory and latter half for hands-on practical. Each participant was asked to solve the saturation by carrying out flap peening on Almen strips. Each participant was evaluated and instructed on correct operation. They received special instructions on effective usage of the flap peening tool. Evaluation of the knowledge acquired was carried out through optional test, and the participants were awarded a respective FAA endorsed course certificate on passing the test.

It is during such trainings that they get confirmation on a lot of day-to-day queries, they get to ask the experts themselves. They get to know what to ignore and what to pay attention to whether it is coverage examination or saturation curve analysis. Whether it is shot quality or masking requirements. It is rightly said that if you take care of small things big things take care of themselves.

The participant's excitement was so evident as they reached the venue early

each day ready for the training. The event sponsors and the trainers also greatly contributed to this great cause. It was truly an exhaustive event filled with learning experiencing and sharing.

For Information:  
Metal Finishing News  
Frohbergstr. 38, 8620 Wetzikon  
Switzerland  
Tel. +41.44.831 2644  
E-mail: info@mfn.li  
www.mfn.li, www.mfn.li/cn



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Contact:Anny Jiang, TEL:+86-137 7134 6248 E-mail: anny.jiang@grindingbeads.com. Add:Donghong Rd. 17#,Guanlin,Yixing, Jiangsu,214251