



OPENING SHOT

Jack Champaigne | Editor | *The Shot Peener*

The 2021 Workshop

THE 29TH Electronics Inc. Shot Peening and Blast Cleaning Workshop and Trade Show was a success. I think everyone was happy to return to this level of normalcy in our industry.

One of my favorite aspects of this year's event was the new technology at the trade show, in the classroom, and even in our photography.

The new technology included the demonstration of Toyo Seiko's coverage checker that utilizes ultraviolet light to enhance the inspection of peened surfaces. The percentage of coverage is displayed as a percentage of surface indenting thus replacing a subjective evaluation with scientific data collection. The image is displayed on a PC or tablet and these can be saved for later retrieval. (See Toyo Seiko's ad on page two for more details.)

And, of course, I have to mention the introduction of EI's new MagnaValve, the 678-24. It was very well received and we are looking forward to placing it into

shot peening facilities. (See ad on page 19 for more details.)

New technology in the classroom revolved around additive manufacturing (3D printing). Bill Barker from Rosler Metal Finishing gave a presentation on "Post Processing for Additive Manufacturing."

Conventional metal working leaves tensile stresses in components that have to be converted to compressive stresses by shot peening, roller burnishing, and similar processes. These same rules also apply to 3D printing.

As a side note, 83 exam certificates were issued this year.

And finally, technology made the group photo much easier and safer. The drone provided optimal framing and composition. ●

Congratulations, Mike!

From one boilermaker to another, it's gratifying to give the Shot Peener of the Year award to a Purdue graduate.

THE SHOT PEENER

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The workshop photo was taken by a drone this year. This was much easier, and safer, than putting a photographer on a ladder.