



OPENING SHOT

Jack Champaigne | Editor | *The Shot Peener*

Shot Peening Research Thrives at Purdue University

The Purdue Center for Surface Engineering and Enhancement (CSEE) meeting in September validated the growth of materials engineering research in the USA.

The conference was a multiple industry consortia with participants from several Materials Engineering schools in attendance, including Heat Treating and Casting.

Representatives from over a dozen industries shared information on how to make surfaces of structural materials better.

The CSEE's industry sponsors link Purdue's research to real-life applications and this keeps manufacturing growing and current with today's fast moving technology processes.

Presentations relating to shot peening included:

- "Wear and Fatigue Behavior of Surface Modified Additively Manufactured Components" by Professors Michael Titus, Michael Sealy, and Paul Mort.
- Professors Paul Mort and David Johnson covered "Stress Mapping

of Almen Strips, Correlating to Peened Parts."

An event at a local pub with the Purdue Heat Treating Consortium staff, Purdue faculty, and students was a great opportunity to network. Thank you to the Purdue team that made this event possible. ●



Langdon Feltner and Kumar Balan discuss the capabilities of the test stand supplied by senstenco. The pressure pot was donated by Clemco. Kumar represented Ervin Industries at the event—Ervin is an industry sponsor for CSEE.



Langdon Feltner, a Purdue Graduate Research Assistant, reviews the capabilities of the senstenco shot peening test stand at a demonstration in Purdue's Manufacturing and Materials Research Laboratories.

THE SHOT PEENER

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