

Progressive Surface to Install Shot Peening Equipment in Purdue Manufacturing Lab

Progressive Surface, Inc., of Grand Rapids, Michigan, and Purdue University's School of Materials Engineering (MSE) have entered into an agreement for Progressive Surface to install pilot-scale robotic shot peening equipment into Purdue University's Materials and Manufacturing Research Laboratory (MMRL). The equipment is slated to be operational by mid-2025 and it will be demonstrated during the International Conference on Shot Peening (ICSP15). ICSP15 will be hosted by MSE in September 2025 in conjunction with MSE's Center for Surface Engineering and Enhancement (CSEE).

Professor Dave Bahr, Head of MSE and Chairman of ICSP15 and Executive Director of CSEE, said, "There are a number of outstanding companies in the greater than \$5 billion per year global shot peening industry. While we're excited to partner with many of them in CSEE and ICSP15, we're particularly grateful to be engaged with Progressive Surface to supply this equipment. This peener, when coupled with our existing peening test stand, will enable our continued graduate and undergraduate research into shot peening as well as provide our industrial collaborators the unique setting in MMRL to gain insights into a broad array of world-class manufacturing processes."

Jim Whalen, President of Progressive Surface, commented, "We're pleased to be expanding our partnership with MSE by providing this equipment. Our relationship has significantly grown during the last several years as made evident by our participation in CSEE and multiple shot peening focused projects that have effectively blended relevant industrial surface engineering topics with first-class academic principals." ●



A Progressive Surface robotic Shot Peen System will be installed in Purdue University's Materials and Manufacturing Research Laboratory.

ICSP15 Update

Conference Topics

- Corrosion Performance
- Fatigue Performance
- Forming
- General Surface Engineering
- Industrial Applications
- Laser Peening
- Process Parameters
- Residual Stress Measurements
- Shot Peening Modeling
- Surface and Surface Layer Properties

Topics are subject to change as the conference date of September 22, 2025 approaches.

Exhibition Opportunities

Starting in early October 2024, booth spaces were assigned to companies that committed to exhibit space. Please contact Mark Gruninger at mgruninger@purdue.edu to see if booth spaces are still available.