Advanced Strategies for Using Additive Manufacturing to Improve Casting and Injection Molding

written by Lauri Moon | October 7, 2020

Additive manufacture of tooling and patterns offers significant benefits for traditional casting and injection molding processes by shortening lead time to production, reducing tooling costs, reducing cycle times and opening up design opportunities. This webinar will highlight “hybrid” applications where additive is combined with traditional manufacturing processes in ways that help companies reduce costs and quickly pivot to pursue new market opportunities — critical as existing markets decline due to the disruption from the pandemic.

Primary Topics:

- Design software for these applications
- Printed sand and wax patterns for castings
- Printed molds and conformal cooling channels for injection molding

Presenters:

Dave Pierson, Senior Design Engineer, MAGNET – Dave is a Senior Design Engineer for MAGNET, part of the MEP National Network, and a notable figure in the advanced manufacturing (AM) community. He has 21 years of varied and practical additive manufacturing training experience that covers seven AM standards categories as set by the American Society for Testing and Materials.

Kyle Squillace, Technology Acceleration Specialist, Purdue MEP – Kyle, a Certified Additive Manufacturing Technician, leads Purdue MEP with assisting manufacturers in incorporating advanced manufacturing capabilities into their operations. He delivers a portfolio of digital manufacturing training and consulting services in areas such as collaborative robotics, additive manufacturing, reverse engineering, and CAD/CAM systems.

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