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Process development supported by machine learning for demanding materials and applications - insights from development and customerbenefits

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This study investigates the utilization of machine learning for optimizing additive manufacturing processes, focusing on Laser PowderBed Fusion (L-PBF) and Laser Metal Deposition (LMD). By leveraging domain expertise, machine learning demonstrates significant potential in enhancing efficiency and quality. Through specific case studies, we highlight the benefits and limitations of employingmachine learning in additive manufacturing, emphasizing the importance of informed user engagement for realizing tangible customer advantages.

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