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Topic

DED Technology for Printing Multimaterial Parts and Repair of worn out Components

Directed Energy Deposition (DED) technology has emerged as a versatile and efficient method for the fabrication of complex multimaterial parts and the repair of worn-out components. This presentation explores the advancements in DED techniques, highlighting their potential to print intricate, high-performance components using multiple materials in a single build process. DED's ability to selectively deposit materials with varying properties allows for the creation of parts that combine the strengths of different alloys, enabling optimal performance in diverse applications. Additionally, the presentation addresses the growing role of DED in the repair and refurbishment of industrial components, offering a cost-effective and sustainable solution for extending the life of critical assets. Case studies will be presented to showcase the real-world applications of DED in both manufacturing and repair, underscoring its transformative impact on industries such as aerospace, automotive, and energy. Through an in-depth examination of the technology, materials, and processes involved, this presentation will demonstrate the significant potential of DED in advancing both part production and maintenance strategies.

About the Speaker

1998-2002: Apprentice Electrician at LIEBHERR

2002-2002: PLC Programmer

2007-2007: Diploma Thesis at DMG MORI

2008-2008: Assistant to Technical Director

2008-2010: Technical Sales

2010-2012: Head of Technical Sales/Market Development HSC



2013-2015: Product Manager UK & IRE / Head of Technical Sales

2016-2018: Product Manager UK, BW, BY

2018-today: Sales Director