CAMBRIDGE | Enterprise

Cold spray for additive manufacturing

Repair and manufacture for high-value metal components

Technology

Additive manufacturing could lower costs and improve speed of part production by removing the need for significant post-machining. This invention makes a small adaptation to a cold-spray nozzle to create net-shape parts using blown-powder deposition.

Benefits

- Fast production – improved prototyping and scalability
- Low material waste
- High accuracy and surface finish vs other metal additive manufacturing approaches

Commercial applications

- Aerospace lugs and brackets
- Thermal management components
- Propulsion hardware
- Nuclear reactor components
- Industrial mould tooling



Opportunity

Commercial development and licensing

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Internal Reference: O'N-10030-23