

Defect formation during welding of Ti alloys and their effect on mechanical properties

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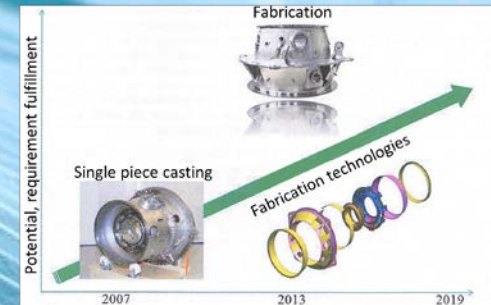
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Research Scope:

- Why and what kind of pores and other defects are formed for certain weld parameters for different welding processes?
- Characterize the defects and weld geometry and correlate their influence on mechanical properties.
- The outcome of this work will help to improve the possible stress level for design criteria of future aero engine parts, and thus, lead to improved light weight designs.



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