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The Specimens For Fatigue Crack Growth Testing Were Produced By SLM On A RENISHAW A250 Machine Schematically Depicted In Fig. 2 [11]. This System Features A Vacuum Chamber, Which After Low-pressure Atmospheric Evacuation Allows The Refill Of The Chamber With High Purity Argon Gas. A Soft Blade Ev Ens Out Each Fresh Layer Of Powder Material ... Jun 1th, 2024.

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Bution Around The Crack Was Then Computed From The Measured Displacements. The Theory Of Residual Stress Measurement Is Given In The Next Section. The Fatigue Crack Growth Testing Was Carried Out In A 100 KN Capacity Instron Electro-hydraulic Material Test System With Stress Ratio $R = 0.1$. The Specimens Were Jun 1th, 2024
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Full Details Of The Fatigue Crack Growth Experimental Setup And Testing Procedure Are Described Elsewhere (Ref 3, 7) And Only A Brief

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Table 3. Figure 1 Shows The Weld Section Configuration Along With The Position Of Compact Type, C(T), Specimens Used For All Fatigue Tests. Jul 1th, 2024
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Usually Begins At Stress Concentrators Which Are Most Frequently At The Surface Of A Component.! Fatigue Is A Localized Process Involving The Nucleation And Growth Of Cracks To Failure.! Apr 1th, 2024

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