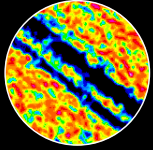


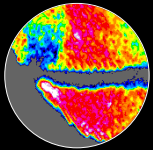


ADDITIVE ASSURANCE

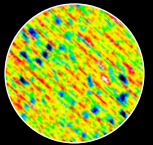
Find Faults Fast:



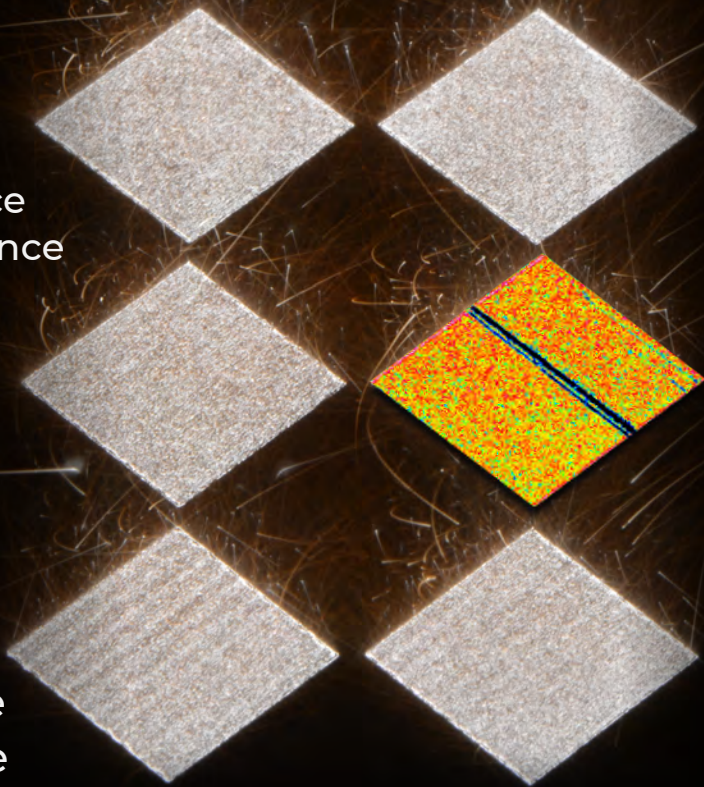
Machine Faults
Laser Scan Errors



Geometric Variance
Recoater Interference



Process Variance
Lack of Fusion
Overmelting



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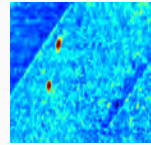
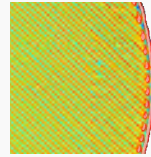
**Quality Assurance for
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A new take on Process Monitoring.

Process monitoring and analysis for laser powder bed fusion by Additive Assurance. The new technique combines multiple high resolution optical sensors with powerful machine learning analysis to provide real-time feedback on build quality. Capable of detecting multiple process inconsistencies, the system offers manufacturers a pathway for qualification and eliminates waste through early fault detection.

Analysis beyond CT.



Melt pool emissions and morphology provide detailed insight into process stability.

Additive Assurance's machine learning analytics combines the data stream into a simple pass/fail criteria based on user defined limits.



Quality Assurance made simple.

Features:



Optical process monitoring
High resolution capture



Data efficient monitoring
GB per build - not TB



Fast automated analysis
Find defects in real-time



Machine independent
Multi-laser ready



Standardised reporting
Supply chain traceability



Managed cloud solution or
On-premise installation

Analysis Powered by Machine Learning:



Melt pool emissions



Melt pool morphology



Multi-layer context



Machine learning insight



Quality Assured Production

