

Consistently Achieving Full Strength Metal 3D Printing Production Parts

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Metal 3D printing is gaining traction, not only as a technology for prototyping but also production. As a service bureau, production parts account for 80% of throughput. The key to successful production parts is a close collaboration not only during the design phase to ensure the best part is developed, but also in the production phase to ensure that the parts continually meet specification.

Metal 3D printing is repeatable, however, unlike other technologies that mean once it is set up it will always run the same. The process requires constant monitoring where quality control is not just about the shape of the parts but also careful monitoring of all the variables to ensure they remain constant.

This talk will give look at a number of case studies of production parts and how they sit in the competitive market. It will also touch on the processing parameters that a commercial service provider must continually monitor in order to create parts that are only the right shape but maintain the appropriate mechanical properties.

Warwick Downing has been involved in metal 3D printing for over 10 years and together with the team at RAM3D has developed a depth of knowledge of the technology and the requirements to repeatedly deliver for the aerospace, defence, marine, consumer and industrial markets.