



Material standards



Memberships



Partners



WEBSITE

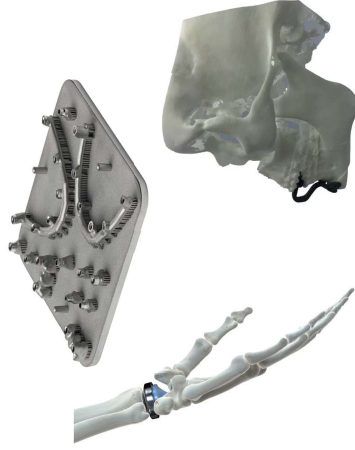
www.additiveengineering.com.au



Medical

Q SCAN TO SURGERY

True-to-scan, traceable surgical guides and implants manufactured in certified biocompatible materials. Medical devices are heat-treated, quality checked, sterilised and sealed in tamper-proof packaging ready for surgery in a week. A high surface quality finish improves osseointegration and can halve a patient's recovery time.



Titanium additive manufacturing

Additive Engineering provides fully integrated services of certified technology and materials to manufacture precision high surface quality products that meet medical standards.

Leveraging our expertise in traceability and surface quality, the same technology is also proven to manufacture consistent, strong, and lightweight components for the aerospace industry.

Contact details

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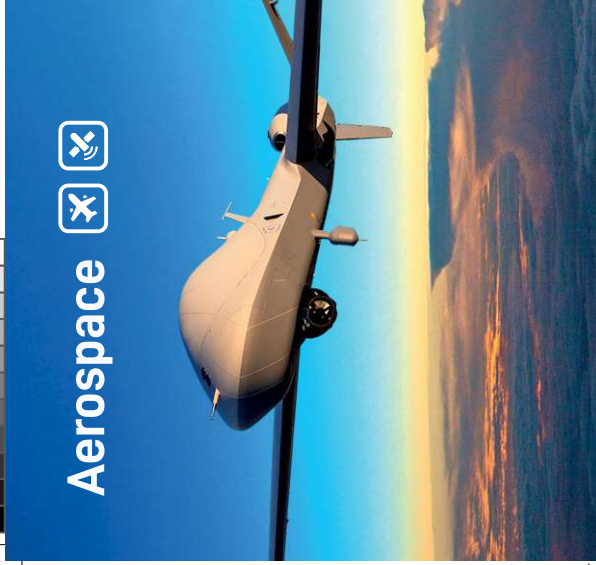
ADDITIVE ENGINEERING

Proven by aerospace
engineers, **trusted** by
medical surgeons.





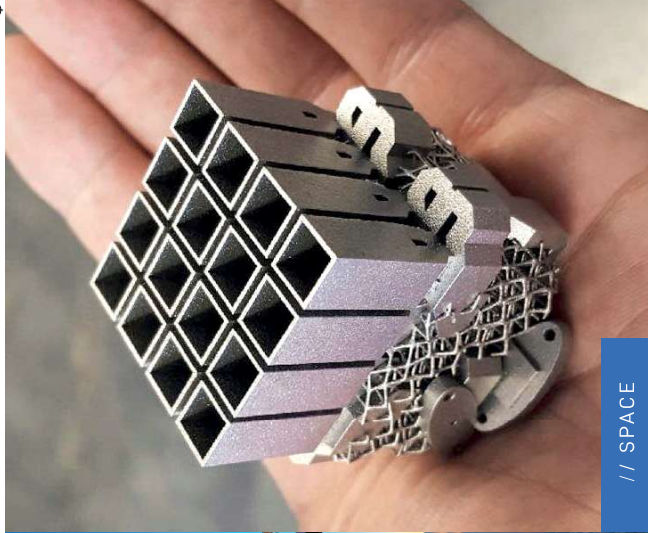
Aerospace



// UNMANNED SYSTEMS

Reduce weight, cost & parts

A NACA inlet for a remotely piloted aircraft (RPA) conventionally made from three parts of welded formed sheet, was manufactured as a single 30% lighter titanium piece, reducing 85% tooling, fabrication, weld inspections and delivery costs by 90%.



// SPACE

Reduce size & consolidate parts

Traditional antenna manufacturing consists of complex systems that are large and heavy, which can lead to higher launch costs and inconsistent radio frequency (RF) performance at higher frequency bands.

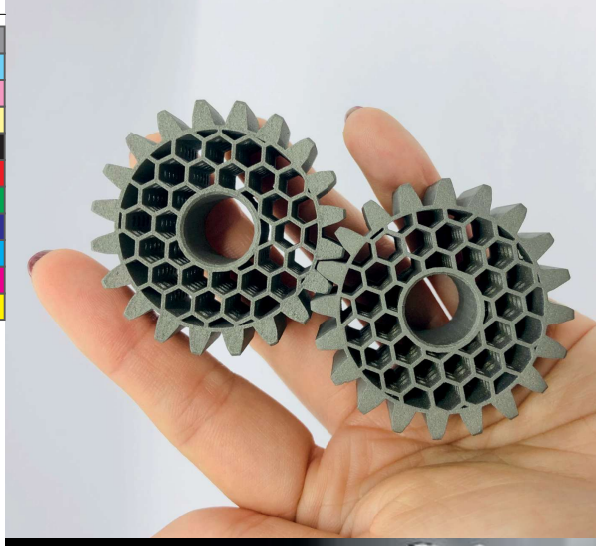
A large 100-part RF antenna assembly was printed as one, saving 95% weight, an 80% reduction in size and delivery lead time.



// AVIATION

Airworthy reproducibility

- > Process has manufactured 100,000 FAA-certified fuel nozzles for LEAP engines and achieved more than 10 million flight hours.
- > Proven technology to optimise SWaP-C for high performance in small form factors.
- > Certified materials of Ti6Al4V, stainless steel, cobalt chromium and hastelloy.



// CRITICAL COMPONENTS

Manufactured ready for use

- > Precision, complex lattice structures to manage heat, cooling, acoustics, flow, and pressure with mechanical performance.
- > Post-processing in-house; sterilised, heat treated, CNC machined (as required).