



# ADDITIVE MANUFACTURING

## Engineering Expertise

**Sonovision offer a wealth of experience in the Additive Manufacturing process which uses 3D printing to join a range of materials together.**

This process is considered an industrial production technology due to its precision, repeatability and material range and is an effective way to increase productivity, improve efficiency and reduce manufacturing costs.

We manage the complete process for you – from design and calculations (utilising innovations such as lattice structures) through to manufacturing and even comprehensive testing of the 3D printed part. Utilising lattice structures lets you optimise the weight and therefore the cost. This is ideal for metallic and nonmetallic parts.

### TECHNOLOGIES & MATERIALS

Sonovision have the capabilities and expertise to offer a wide range of technologies within Additive Manufacturing. We will work with you to select the right approach for your needs. Technologies and corresponding materials include:

- Fused Deposition Modeling (FDM) or Fused Filament Fabrication (FFF)
- TPU, PLA, CFRP, HIPS, PVA, ABS, Nylon
- Selective Laser Sintering (SLS)
- Alumide, PA12 (Nylon), PEBA, C-MIDE, GF-MIDE
- Stereo Lithography (SLA)
- Resin
- Binder Jetting (BJ)
- 420SS + Bronze, AISI 316
- AISI 316L, TiAl64V (Ti6AL4V), Inconel 718, Maraging Steel
- Direct Metal Laser Sintering (DMLS)





## RELATED TOPICS:



### **In-Service & After-Sales Support**

Our In-Service Support teams provide cost-effective engineering and programmatic services to help manage the life cycle of platforms and structures, and design support for technical processes and operational change.



### **Design Engineering**

Our teams work alongside global OEMs to provide engineering design services. We apply our expertise and innovation from needs analysis, through to critical design stages.



### **Tooling Design & Manufacture**

We apply our expertise in tooling design and manufacture, utilising the most suitable subtractive or additive manufacturing technologies, offering end-to-end project management from prototype to serial production.



### **Special Tools & Ground Support Equipment**

We will help your technical operations run smoothly and efficiently. Our transnational approach to engineering, manufacturing and maintenance procedures mean that we have a wealth of expertise and materials available to help solve any operational issues.



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