

Aerospace



Design & supply of magnets and magnetic assemblies for aerospace applications

Eclipse Magnetics designs, optimises, produces and supplies magnets and magnetic assembly solutions to meet and exceed the stringent requirements for a huge range of aerospace applications.

Aerospace Design Solutions:-

Design, improve, optimise, supply, support.

Eclipse Magnetics understands the needs of aerospace customers to design commercially viable product solutions that have reduced weight, flawless long term performance in the harshest conditions, longer service life, reduced cost and higher efficiency.

Whether the application is for sensing an actuator position, using magnets to detect fluid flow rates, making magnetic fuel pumps, through to magnets for use in high temperature generators, Eclipse Magnetics can design, specify, produce samples, send for customer approval and then mass produce to meet your aerospace requirements.

We like to use mutual NDA. We design to meet critical requirements for pull forces, torques, field strengths, temperature, sensor specifications, etc. Our magnetic solutions include weight reduction, miniaturisation, higher efficiency, greater holding force, improved pull versus distance, cost reduction and even reduction of rare earth material use.

We can supply our solutions with FAI and/or C of C. We can either assemble in UK or we can use our high quality China Joint Venture.

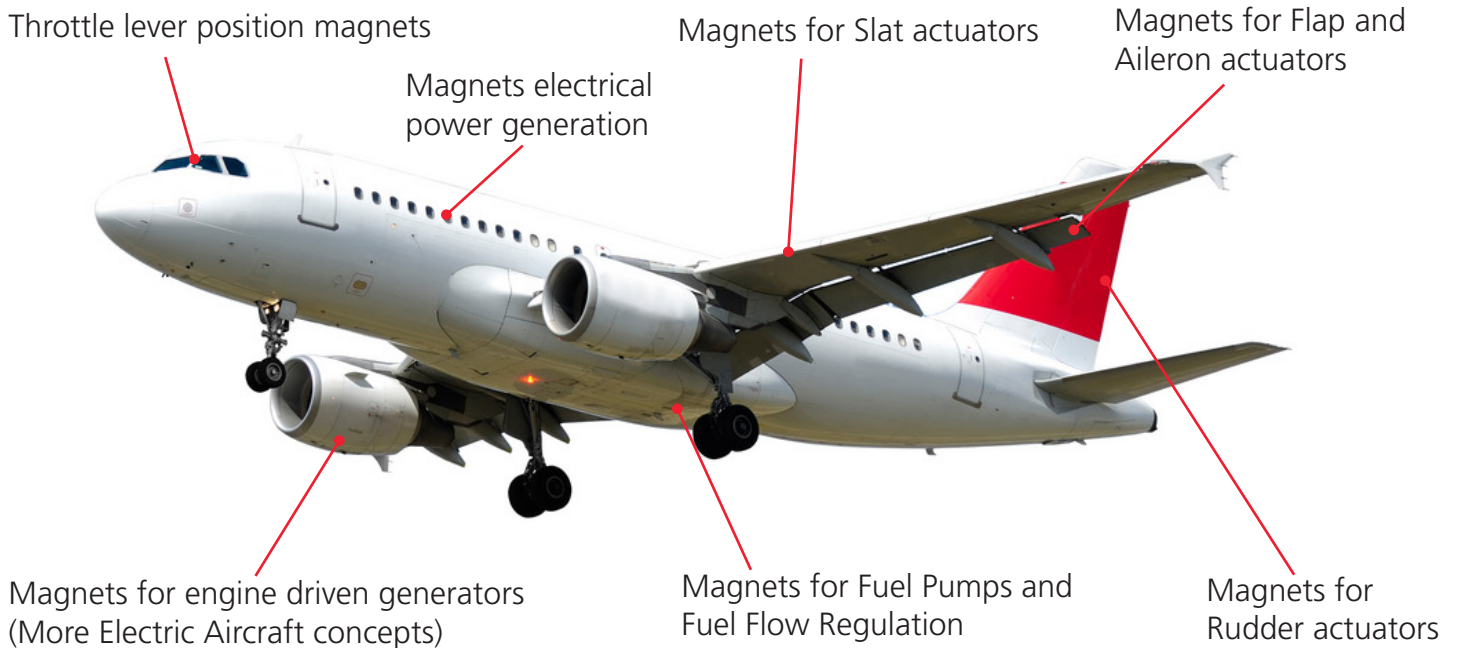
Carbon reduction and increased fuel efficiency by miniaturisation with the possibility of better recyclability is what we will help you achieve.

With an unrivalled expertise in designing value adding magnetic solutions Eclipse Magnetics is a trusted partner for reliable long-term contract manufacturing supply. This includes holding stock in UK for guaranteed fast call off supply.

Application examples include:-

- Gauges
- Speakers
- Servo actuators
- Radar TWT
- PM Generator rotor assemblies
- Fuel Pump magnets
- Flow Regulator magnets
- Magnets for missiles
- Cryogenic magnets for space
- Holding magnets in seats
- Position and Speed sensors
- Air compressors
- Engine driven generators
- Tachometer generators

Examples of where we can design and supply into Aerospace Applications:-



SmCo magnets for high performance high temperature actuators



Magnets for high performance Fuel Pumps and Fuel Flow Regulation

Pitch and Roll actuator magnets

Magnets for Radar TWT



Rotor and fantail actuator magnets

Please contact us to arrange a visit, request a quotation or to get technical support and design help.

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