

Academic & Research



Design & supply of magnetic assemblies for universities, colleges, design houses and research teams.

Eclipse Magnetics designs, produces and supplies magnets and magnetic assembly solutions to fulfil the wide ranging requirements and specifications for a huge range of applications across all industries.

Academic and R&D Design Solutions

Design, improve, optimise, supply, support.

Eclipse Magnetics understands the needs of customers to design commercially viable (profitable) novel products that have lower environmental impact, higher efficiency, reduced carbon footprint, better recyclability and best performance while solving a technical problem or meeting a newly identified consumer demand.

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.

Research activities are putting greater emphasis on cradle to cradle designed products with recycling, repair, re-use, and reduction deliberately built into the product lifecycle so that the end user can easily identify the product's reduced environmental impact. A circular economy approach develops such products. Reduction in scarce materials and materials with high environmental impact are seen important in designs. Environmentally "green" and sustainable products now matter.

Whether the application is for designing magnets that have their grades labelled on them, designing out Rare Earth magnet materials in high power density motors, designing in better re-use of magnetic materials or helping develop hybrid drive systems, Eclipse Magnetics can design, specify, produce samples, send for customer approval and then mass produce to meet your automotive requirements.

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

Our China Joint Venture also allows us to supply our solutions with PPAP, PSW and FAIR available.

Application examples include:-

- Hybrid drives
- 100% recycled product initiatives
- Rare Earth magnet reduction motors and generators
- Collaboration with University Research

Why we are chosen to work with, design and supply into Academic and Research Department Applications:-

Magnetic Expertise	NDA / Confidentiality	Magnetic 2D & 3D FEA design
Product Development	Work with University Research Groups	Design for various environmental conditions
Custom Magnets and Magnetic Assemblies	Widest range of magnetic materials	Innovation - Design to meet specifications
PPAP	FAIR	PSW
TS16949	ISO9001	ISO14001
China Joint Venture Production	Sheffield Production and Assembly	China Joint Venture Assembly

Problem solve, design, prototype, test & validation, proof of concept

Design for low cost manufacture

Collaboration, concept to commercialisation

Research & development assistance & support

Design right first time

Patentable designs, USP

Mass produce

Global supply

Meet consumer requirements

Fit for purpose

Aesthetic design



Design in greater recyclability potential

WEEE, ROHS, REACH

Lower carbon footprint

Greater sustainability

Applications engineering

Value added

Higher efficiency

"Greener" design, "Cleantech"

Reduced CO2 emissions

Lower power consumption

Cost reduction

Extended product lifecycle

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

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