

ISE MAGNETICS (INDUCTIVE SYSTEMS EUROPE)



50 years of experience and knowhow

ISE MAGNETICS™ is a manufacturer and design house of inductive components; having several production and (sales) offices in western and eastern Europe, we also subcontract production in Asia which we strictly prescribe, control and inspect. The ISE staff consists of 50 people. ISE's headquarters is located in the renowned Dutch High Tech area Brainport in the Netherlands.

ISE is member of the Magnetic Domains Group

which also consists the activities of PHYNICX Metallurgical Solutions. PHYNICX is highly specialized in controlled expansion & magnetic alloys and their applications and supplies magnetic shields and high precision soft magnetic parts.

Some of our applications and markets

- Electric drive • fast charging • SMPS
- Aerospace and railway • automotive
- defense semiconductor • medical
- motion control • climate control • oil industry • lighting • Energy metering; NFMI

Design capability

ISE has experienced design & application engineers, to develop customer specific inductive components or assemblies for a wide variety of markets and technologies. In this process ISE makes use of simulation software and internally developed design tools; we create 2D and 3D drawings to enable our customers to assess the mechanical fit in their system.

Flexibility & rapid prototyping

Large stock of components, 3D printing, a mechanical workshop and internal grinding of cores enables ISE to provide fastlane solutions for both prototyping as initial series.

Up-to-date on magnetic materials

Profoundly experienced, up-to-date know-how-, know-where and knowledge of appropriateness of (new) magnetic materials or other components, but also through application of simple but smart variations, ISE often offers customer solutions at standard costing.



ISE and quality

Quality starts at design stage. Quality of design and product is inspected on prototypes and for series its being monitored during the production process and finally thoroughly tested; Applicable international norms are implemented and effective mounting, moulding and assembly technics, can even ensure shock and vibration requirements.

Applied procedures:

- FAI • DFM • DFMEA • PFMEA • PPAP and statistical analysis (Cpk/Cp). All our factories are certified ISO 9001 for manufacture of inductive components, our western Europe facility on designing as well.