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WORLDWIDE AUSTRIAN INDUCTIVE COMPONENTS

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Power Component Distribution
Diamond Electronics Limited





DEVELOP INNOVATIONS. INDUCTIVE COMPONENTS

WE HAVE BEEN DEVELOPING AND PRODUCING CHOKES AND TRANSFORMERS AS WELL AS ALL TYPES OF COIL TO ORDER FOR DECADES. WE EMPLOY OVER 1,000 STAFF WORLDWIDE IN THIS SECTOR.





OUR PRODUCTS

Although you will not find them in any catalogue, they are in customer specific applications of our satisfied business partners.

- > **Chokes (THD, SMD)**
Developed and produced individually, in maximum quality and load capacity
- > **Small signal transformers (THD, SMD)**
Experienced engineers and software which we have developed to optimise your designs and guarantee innovative solutions
- > **Power transformers**
Complex analysis at the design stage and series production at the forefront leaves nothing to chance
- > **Sensor coils**
Using the most modern plant, even wires of some hundredths of a millimetre in diameter are acceptable
- > **Relay coils, solenoids**
Produced in any quantity. If required, we can optimise existing products and ensure a »quiet switch«
- > **Aerial coils**
Greatest precision and innovative solutions, mainly for the automotive industry
- > **Rogowski coils**
Technological leadership in development and production means we offer particularly competitive solutions.
- > **Ignition transformers**
We use our know-how in plastics, metals and electronics to develop and produce complete ignition systems
- > **Current transformers**
Production of current transformers on the Rogowski principle as well as current sensors for measuring from mA to kA.
- > **Special design coils**
Through our competent R&D and CAD team we develop and realise every special design form – quickly and as good value for money.



- A. SMPS transformer
- B. Small signal transformer
- C. Power transformer
- D. Sensor coil

- E. Solenoid
- F. SMD transformer
- G. Aerial coil
- H. Special design coil

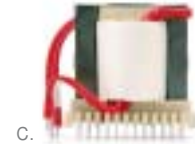
- I. Current sensor
- J. Rogowski coil
- K. Ignition system
- L. Choke



A.



B.



C.



D.



E.



F.



G.



H.



I.



J.



K.



L.





INNOVATION AND EXPERIENCE

Starting from your ideas and wishes, we develop, produce and test customer specific inductive components for you, using high-performing plants and the most modern state-of-the-art processes. Products produced by Egston conform, of course, to RoHS .

Field	Advantage
Development/Design	Together with you, our development engineers dimension and optimise your inductive component, supported by our performance software tools.
Samples	We support you in rapid and reliable sampling to test your developments as quickly as possible and to prepare for a smooth transition to series production.
Winding	Irrespective of the coil design, we capably wind your inductive components in a manner appropriate to the application; manually through to fully-automated with wires from 0.023 mm Ø.
Automation	Even non-standard products or very large Quantities can be accommodated with optimum solutions available on site and that we have developed ourselves.
Encasing	In accordance with your requirements, we encase your components with mechanical housing, vacuum impregnation, vacuum casting or overmoulding.
Test & Quality	We are technically equipped for all common mechanical and electrical tests. Together we establish optimum test strategies from random sampling up to 100%.

EXPECT FROM US

- > Logistic services
- > Procurement
- > Design of plastic and metal parts
- > Development and production of complete systems (e.g. winding, incl. electronics, housings, cable technology)

ZERTIFIKATE

- > ISO/TS 16949:2002
- > ISO 9001:2000
- > Own UL systems (EA1-3; 130 to 180°C)
- > Supplier of the year (Siemens)





STRONG IN SUBASSEMBLIES

We have been designing and producing inductive components, cable systems, modular power supplies and battery chargers for 50 years. As a result of this wide spectrum of products and technical know-how, we are able to offer you complete subassemblies, as your one-stop source. Our experienced design and development team, supported by professional project management, will carry out the product development process for your complete units.

PROTOTYPES AUTHORISATION PROCESSES APPROVALS

Our mechanical and electronic design is supported by CAD and Pro-Engineer, which means we can produce prototypes very rapidly to support your product development and authorization procedure in the best possible way. Our development is based on a modern management system (FMEA, APQP, SPC, CIP, Six Sigma etc.)

Safety approvals or EMC tests under VDE, UL and other standards are just as routine as cooperation with universities and research laboratories.

PRODUCTION TRANSITION & PRODUCTION AUTOMATION

Product development works closely with production automation at Egston to guarantee a smooth production start-up. We are in a position, with our automation team, to produce tailor-made concepts and to put them into practice in the shortest possible time, in-house and on our own equipment. Egston stands for the most economic production facilities.

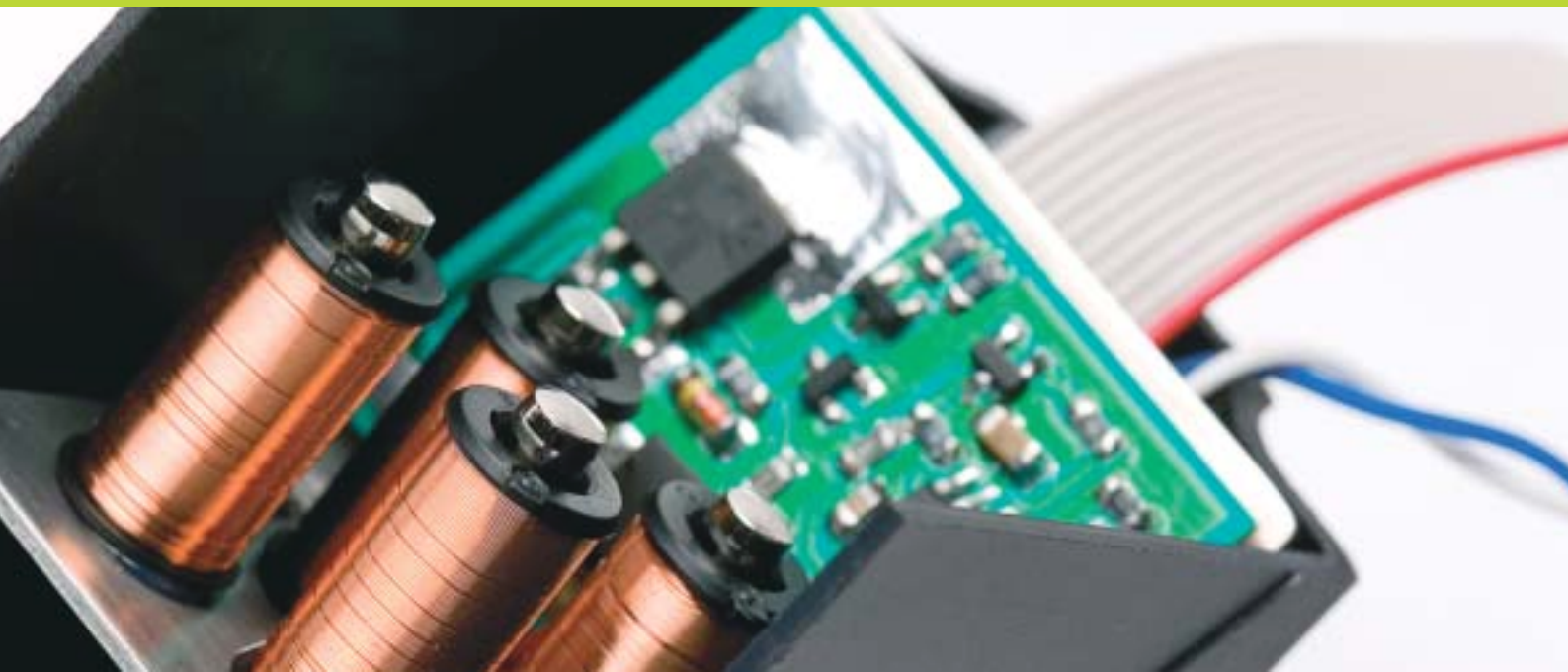
Our competence ranges from simple production cells, via assembly and test round tables through to fully automated production lines.

LOGISTICS

Our purchasing team arranges the supplier network in line with your specific requirements. Demand orientated logistic systems such as JIT, Kanban etc. round off the supply chain.

OUR SUBASSEMBLY RANGE:

- > Electronic units (incl. microcontroller operated)
- > Electromechanical magnet subassemblies (also in plastic or metal housings)
- > Thermally optimised power modules
- > Complex cable harnesses with integrated sensors, actuators indicator units and attachments in plastic or metal



WORLDWIDE QUALITY FROM AUSTRIA

WHERE DECADES OF EXPERIENCE, INNOVATION AND COMPETENCE ARE, WHERE STANDARDS ARE DEVELOPED AND APPLIED, WHERE HIGH DEMANDS ARE MADE ON TECHNOLOGY AND MATERIALS, WHERE EUROPEAN KNOW-HOW AND GLOBAL STRUCTURES MERGE: THERE YOU WILL FIND US.

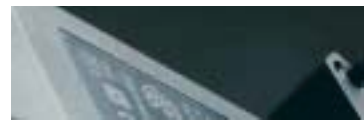
The products of our experience are the solutions which we develop and produce in our business fields of inductive components, automotive solutions, cable systems and power supplies.

Egston stands for worldwide experience and know-how in:

- ∴ Inductive components
- ∴ Automotive solutions
 - ∴ Cable systems
 - ∴ Power supplies
 - ∴ Subassemblies
 - ∴ Plastics

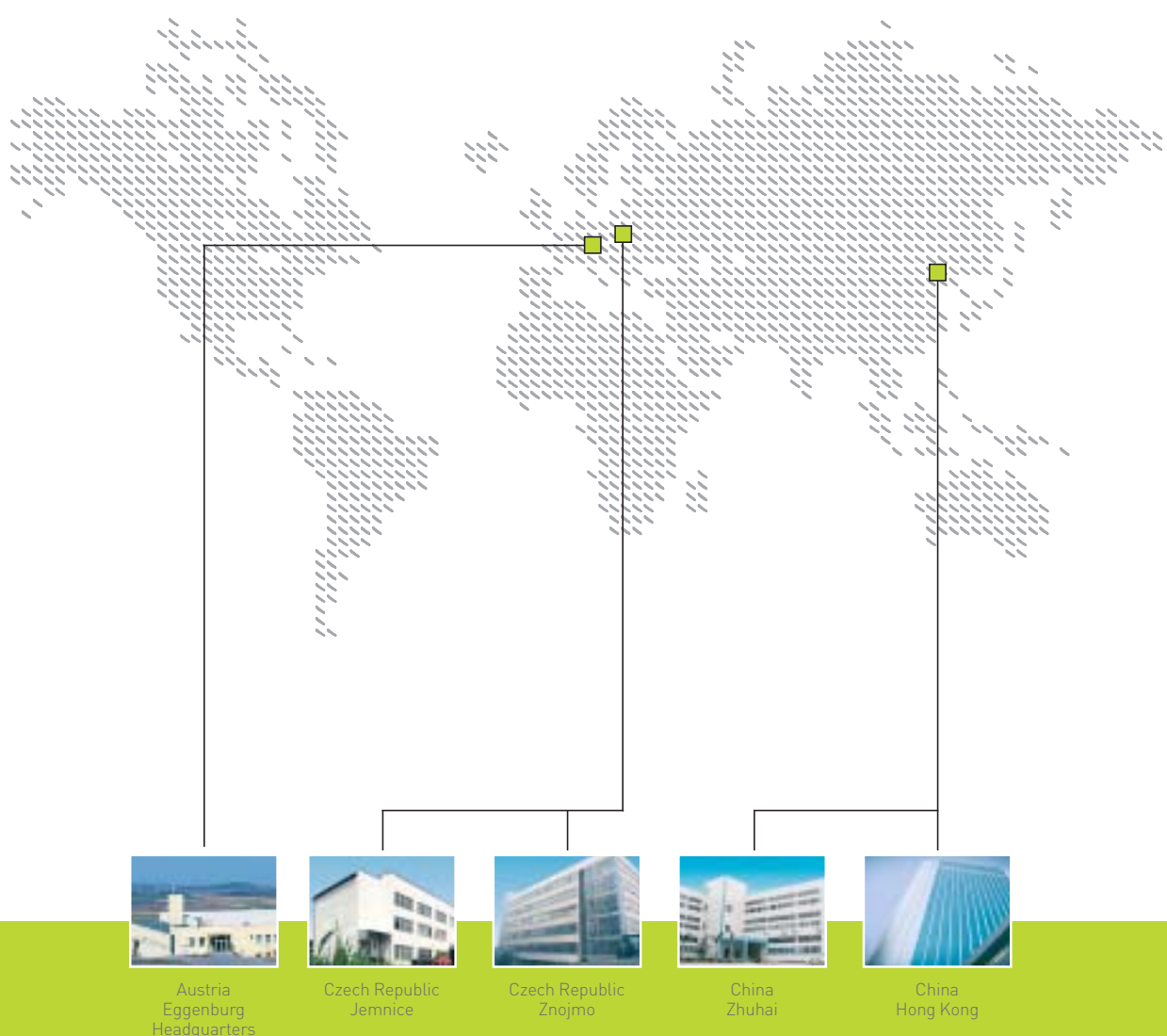
Thanks to our worldwide production and distribution locations, you will find yourself in the position to be able to count on our full support everywhere. The way to your solution is therefore always a short one.

Over and above this we have expanded and complemented the spectra of our innovation and competences still further. This includes for instance the most modern plastics technology (e.g. overmoulding) as well as the development and production of complete subassemblies – always from a one-stop source.



 **EGSTON**





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