



Inductive Components & Automotive Solutions

YAGEO GROUP
PULSE Egston



CERTIFICATES

IATF 16949, ISO 9001,
UL Authorized Supplier

We are a leading global supplier of inductive components with over 50 years of experience, a worldwide network, and numerous patents.

We design, test, and manufacture customized chokes, transformers, transmitters, and coils using advanced technology to ensure top quality and reliable delivery. Our expert team develops tailored solutions based on your specific requirements, creating unique components used in countless customer applications.

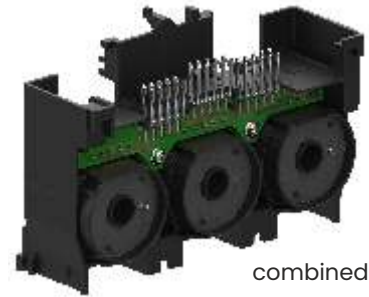
MEASUREMENT & ENERGY TRANSFORMERS FOR CIRCUIT BREAKERS

We are a global market leader in the design and production of complex measuring modules for a wide variety of low, medium, and high voltage circuit breakers

Modern devices use separate systems to supply the tripping unit with energy and to measure or detect short circuit and load currents. High-precision Rogowski coils, which are resistant to external fields, are used for the latter due to their linearity and large range of measurement. The energy harvesting to supply the tripping unit is done by means of energy transformers based on SiFe cores, which are also manufactured by us.

We install both coils in complex systems consisting of plastic parts, casting compounds, joining technology, and other components.

All systems are designed and manufactured according to the customer's specifications in order to meet the highest requirements and create the most competitive end products possible.



combined current transformer CCT



Flex-Rogo FLRC



Rogo RC01



AUTOMOTIVE SOLUTIONS

MOTOR COILS/E-MOBILITY

We are one of the world's leading manufacturers of segmented motor coils. In addition, we offer our customers our many years of experience and numerous patents for the development of new products.

- Motor coils for hybrid drives
- Stator segments for electric compressors (Electric Supercharger)
- Motors for electric bicycles (pedelecs)
- Highly compact motors for robot drives, skateboards etc.



Electric Supercharger

ON-BOARD CHARGER & DC-DC CONVERTER FOR ELECTRIC AND PLUG-IN-HYBRID VEHICLES

Our custom inductors for electric vehicles ensure high efficiency and performance across key applications. Advanced simulation and thermal casting enable optimal design and heat management, while robust aluminum housings offer reliable protection.

In addition, we offer special cores, perfectly tailored to your application.

- Power Inductors (also flat wire)
- Common Mode Chokes
- PFC Power Factor Correction Choke
- CLLC Transformer for bidirectional OBC
- EMC Filter Unit



EMC Filter Unit



SOLENOIDS

We are the expert for custom-made solenoids for a wide variety of applications and in a variety of sizes – from “naked” magnetic coils to fully assembled magnetic assemblies with controlled force-travel monitoring.

With our simulation tool, we are able to calculate and optimize force-travel characteristics for any kind of magnet before the first prototype is built.

Our product range includes:

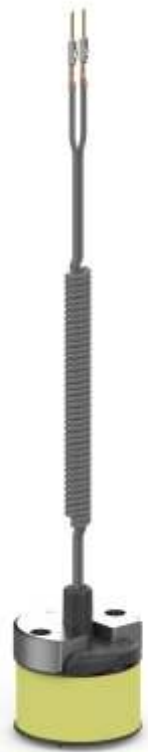
- Lifting magnets (e. g. for ignition key locking)
- Relay coils
- Solenoid valves
- Magnetic coils for door locks (e. g. in washing machines, parcel stations)
- Trigger magnets for circuit breakers and line protection switches
- Shock absorber coils in motor vehicles
- Active Dumping



Circuit breaker



Parcel locker



Active damping system



HIGH POWER MAGNETICS

We deliver high-performance magnetic solutions tailored to demanding power conversion needs. Our components feature efficient water cooling for optimal thermal management, flat wire winding for compact design and reduced losses.

Coupled inductor design enhances magnetic core utilization, enabling either smaller core sizes or higher current capability within the same footprint.

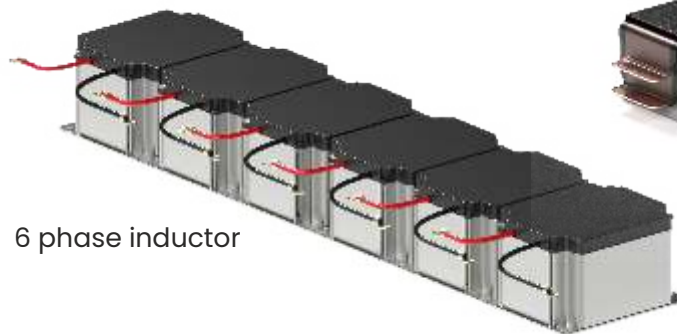
We also offer integrated resonant inductors for CLLC transformers with extremely tight inductance tolerances, ensuring precision and reliability. With support for operating voltages up to 1200V, our solutions empower customers to achieve greater efficiency, stability, and performance in advanced applications.

Our product range includes:

- Inductors: single, 3 phase, 6 phase
- Power transformers up to 150kVA



Transformer 50 kVA



6 phase inductor



Transformer 150 kVA

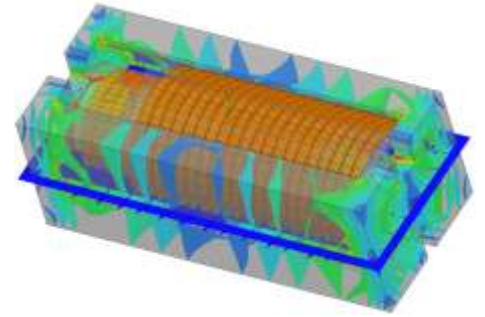


from DEVELOPMENT to MANUFACTURING

Industrial and automotive components are only as good as their design and the production methods used to manufacture them.

We provide support to our customers in creating the optimum design for all components.

- Electrical design of magnetics and inductive systems
- Mechanical design (Creo)
- Magnetic and thermal Analysis
- Test design for complex inductive systems
- Industrialization with in-house automation department and tool shop
- Manufacturing in IATF 16949 / ISO 9001 certified plants in Europe and Asia



SPECIAL COILS

Our custom made coils, such as flow sensors and LVDT (Linear Variable Differential Transducer), are precisely engineered solutions for specific applications. Thanks to our many years of experience and innovative manufacturing techniques, we guarantee the highest quality and precision. Contact us to discuss tailor-made solutions for your unique requirements.





Austria
Eggenburg



Czech Republic
Znojmo / Dyje



India
Trichy



China
Suining

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