Kaschke’s broad design expertise and product portfolio offers customized solutions for any market segment

Inductive components are key elements in a wide variety of applications throughout the electronics market. Thanks to numerous innovations, it has been possible to, for example, significantly increase power supply efficiency in recent years. At the same time, the weight and size of components have been reduced and there is now greater freedom of design.

Improved performance inevitably results in end products with much longer service lives. With its design expertise and creativity, Kaschke is able to provide solutions which help you keep a step ahead of the competition.

Kaschke supplies components for a wide variety of market segments. Make the most of our interdisciplinary expertise and experience.

Worldwide Sales/Representative Offices

Overview

Custom magnetic components for your application

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Bourns® products are available through an extensive network of manufacturer’s representatives, agents and distributors. To obtain technical applications assistance, a quotation, or to place an order, contact a Bourns representative in your area.

Specifications subject to change without notice. Actual performance in specific customer applications may differ due to the influence of other variables. Customers should verify actual device performance in their specific applications.

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Kaschke Components

Custom Magnetics

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Technical Assistance

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Customer support can be obtained through one of the office locations below or through fax, email or phone. To reduce lead times and eliminate errors, use the fax option. Specifications may be subject to change without notice. Before using these products, always review the latest specifications and any other documentation accompanying the product, which may contain more information regarding limitations. Actual performance in any given application cannot be guaranteed.

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Bourns, Inc. • 1250 East Broadway • Amityville, NY 11701 • USA • Phone: +1-516-584-0300
From transponder coils to high power chokes, we wind any component for your application.

**Current Transformers**
- Current range 1 - 2000 A
- 50 Hz – 2 MHz
- Various models

**Power Transformers**
- Up to 100 kW
- Switching Frequency 20 - 200 kHz
- Various cooling concepts

**PFC Inductors**
- Current range 1 - 50 A
- Low parasitic capacity
- 30 – 300 kHz
- THT and flying leads

**AC Filter Chokes**
- High current capability
- Low capacity winding
- Helical flat winding

**High Power Inductor Modules**
- Low core loss
- Switching Frequency up to 200 kHz
- Various cooling concepts

**Planar Transformers**
- Low profile
- High Switching Frequency
- PCB based and wirewound

Despite strict environmental regulations and high energy costs, our Göttingen site in the heart of Germany offers customers a high degree of flexibility, rapid response times and exceptional reliability thanks to its location.

**From ultrafine wire and Litz wire to edge wire winding and foil winding, our system and tool manufacturing facilities enable us to allocate machines, appliances, winding devices and measuring equipment flexibly and efficiently, ensuring maximum process stability in the production of each and every product.**

**Ultra-fine wire winding**
**Litz wire winding**
**Linear winding**
**Toroid winding**
**Foil winding**
**Hand winding**
**Edge wire winding**

**Our key focus areas**
- High volume ferrites with high flux density and limited losses up to 100 kHz
- Ring cores up to R102 with very good insertion losses and high Q-factor
- Rod cores for transmitter/receiver coils in the 20 kHz – 40 MHz range
- Pol cores for proximity switches with high Q-factor
- Colored cores for inductive winding
- Customized core shapes
- Medium and small lot sizes, and a single item production request
- Complex core shapes using optimized winding technologies on CNC-controlled systems
- Large core shapes using joining and bonding technology

**What can we do for you?**
We have many years of experience in design and engineering, and we can offer you an A to Z of inductive components at a competitive price.

**Put us to the test!**

**From transponder coils to high power chokes, we wind any component for your application.**

**NO MATTER WHICH POWER CONFIGURATION YOU HAVE – WE CAN OFFER SOLUTIONS**

**Our ferrite product line and expertise is key to our customized and powerful magnetic solutions**

**Ferites**
- Internal material development
- Internal product design
- Internal powder production using over 25 materials
- Material Lines:
  - FAH-Ferite – capacity 100 t/a
  - W62-Ferites – capacity 700 t/a
- Internal tool and system manufacturing

**Our key focus areas**
- High volume ferrites with high flux density and limited losses up to 100 kHz
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Our ferrite component and custom magnetic solutions are tailored to each application and customer need, ensuring maximum process stability in the production of each and every product.
By supplying an “A to Z” of inductive components, we provide customers with innovative solutions to meet even the most demanding challenges.

Bourns produces a full range of Kaschke components from miniature chokes for low to medium risk medical devices to high performance boost chokes for inverters used in contactless energy transfer systems of up to 440 kW.

Bourns uses a diverse range of cutting-edge production techniques to produce a extensive range of Kaschke components.

Current Transformers
- Current range 1 - 2000 A
- 50 Hz – 2 MHz
- Various models

Power Transformers
- Up to 100 kW
- Switching Frequency 20 - 200 kHz
- Various cooling concepts

PFC Inductors
- Current range 1 - 50 A
- Low parasitic capacity
- 30 – 300 kHz
- THT and flying leads

AC Filter Chokes
- High current capability
- Low capacity winding
- 30 – 300 kHz

High Power Inductor Modules
- Switching Frequency up to 200 kHz
- Low core losses

Planar Transformers
- Can be built to fit a PCB
- High Switching Frequency
- PCB based and wirewound

From transponder coils to high power chokes, we wind any component for your application.

NO MATTER WHICH POWER CONFIGURATION YOU HAVE – WE CAN OFFER SOLUTIONS

Our ferrite product line and expertise is key to our customized and powerful magnetic solutions.

We have been supplying our customers with standard and special solutions in the area of soft magnetic materials and ferrite cores for over 65 years.

At a time when mass production of ferrites has moved to Asia, Bourns® Kaschke Components has focused on innovation and developing expertise in partnerships with local universities, colleges and research institutes.

Our key focus areas
- High volume ferrites with high flux density and limited losses up to 100 kHz
- Ring cores up to R102 with very good insertion losses and high Q-factor
- Rod cores for transmitter/receiver coils in the 20 kHz – 40 MHz range
- Full cores for proximity switches with high Q-factor
- Impedance cores for inductive winding
- Customized core shapes
- Medium and small lot sizes, and a single item production request
- Complex core shapes using optimized winding technology on CNC-controlled systems
- Large core shaping using joining and bonding technology

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What can we do for you?
We have been using areas of expertise for producing a range of ultra-fine wire and Litz wire to edge wire winding and foil winding. Our system and tool manufacturing facilities enable us to allocate machines, appliances, winding devices and measuring equipment flexibly and efficiently, ensuring maximum process stability in the production of each and every product.

What can we do for you?
We offer many years of expertise in manufacturing and in collaboration with our suppliers. We are also able to offer a wide range of special core shapes.

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Ferrites
- Internal material development
- Internal product design
- Internal powder production using over 25 materials
- Material Lines
  - Fe3O4 – ferrite – capacity 100 t/a
  - NiZn ferrite – capacity 760 t/a
- Ferrite coil and system manufacturing

In addition to the standardized core shapes stipulated by the IEC, we offer a wide range of special core shapes.
**From transponder coils to high power chokes, we wind any component for your application**

By supplying an "A to Z" of inductive components, we provide customers with innovative solutions to meet even the most demanding challenges.

Bourns produces a full range of Kaschke components from miniature chokes for low to medium risk medical devices to high performance boost chokes for inverters used in contactless energy transfer systems of up to 240 kW.

Bourns uses a diverse range of cutting-edge production techniques to produce a vast range of Kaschke components.

---

**What can we do for you?**

We have many years of experience developing, producing and delivering inductive components of all sizes, on schedule.

Put us to the test!

---

**Our key focus areas**

- High volume ferrites with high flux density and limited losses up to 100 kHz
- Ring cores up to R102 with very good insertion losses and high Q-factor
- Rod cores for transmitter/receiver coils in the 20 kHz - 40 MHz range
- Pot cores for proximity switches with high Q-factor
- Impedance cores for inductive welding
- Customized core shapes
- Medium and small lot sizes, and a single item production on request
- Complex core shapes using optimized grinding technology on CNC-controlled systems
- Large core shapes using joining and bonding technology

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**Internal material development**

- Internal product design
- Internal powder production using over 25 materials
- Material lines:
  - NiZn ferrite – capacity 100 t/a
  - MnZn ferrite – capacity 700 t/a
- Internal tool and system manufacturing

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**Ferrites**

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