

Wijdeven

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nnovative Winding Technology

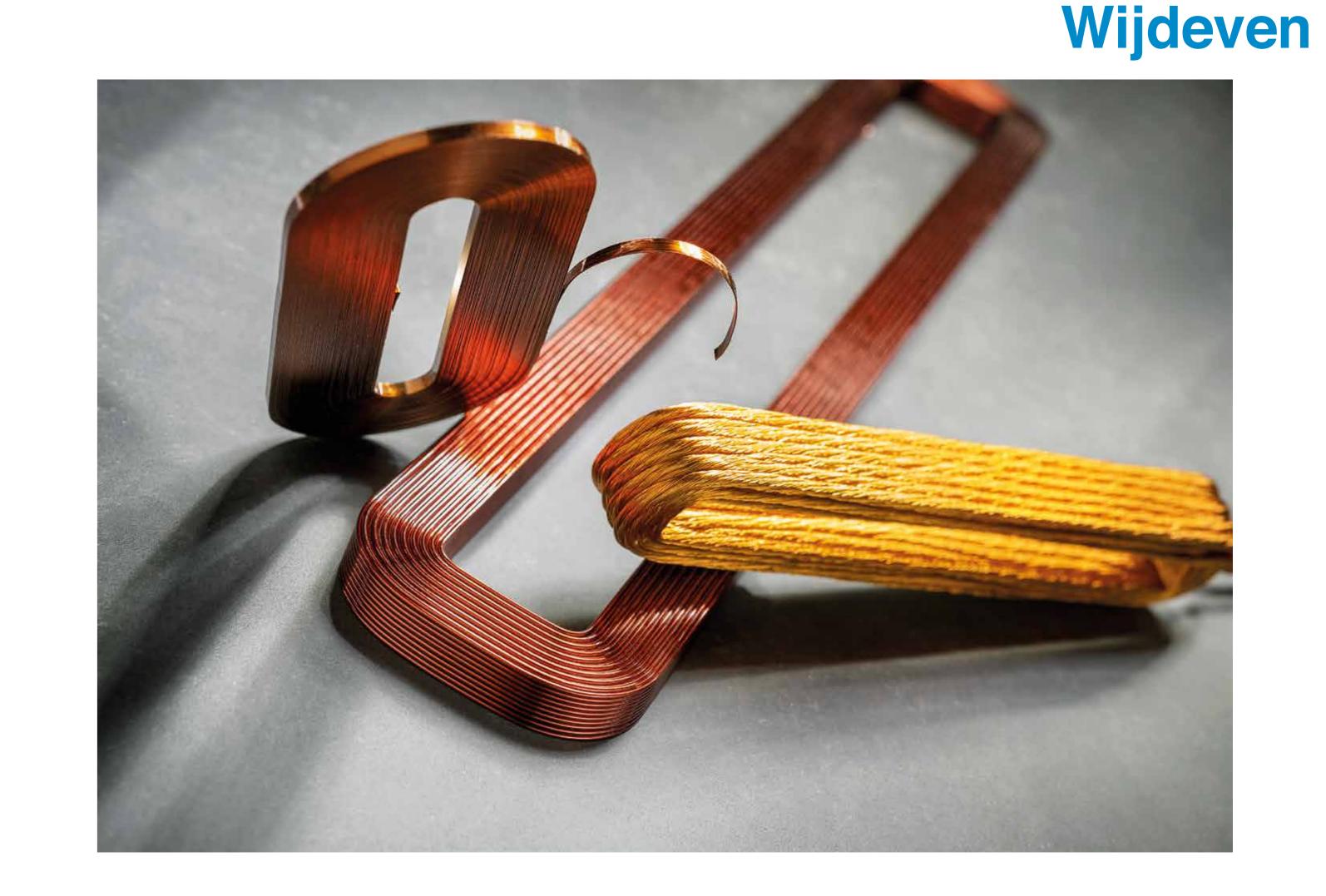
THE WORLD OF WINDING TECHNOLOGY

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Principle

With the high efficiency requirements of today, the demand for customer-specific coils is growing.

Through various winding techniques, we can create form-fit coils for each application, ranging from a few micrometers up to a few meters in size. To receive the best efficiency, f.i. high frequency transformers must be designed for the specific application, reducing copper and thermal loss and achieving the most energy-efficient product.



Advantages

- With access to different technologies there is always a coil that fits your application. • High copper fill factors using flatwire or orthocylic winding.
- Availability of several materials for different applications.
- In-house automatable production process for series production.
- Complete assemblies, not only the production of the coil, but also assembly into a final product.

Disadvantages

 Customized products are more expensive compared to regular 'off-the-shelf' products. High tolerances: Calculating coils is still an inaccurate process, requiring prototyping. Complexity: The technology surrounding coils is complex and requires deep specific knowledge.

KUK Group is a leading manufacturing partner for highly demanding coils and assemblies, from the product idea to large-scale production.

- Customized winding products
- Air core coils, bobbin coils, transformers, assemblies
- All shapes and dimensions



Production boundaries and limits

• Wire size, we can handle wires from 10 μ m.

 Wire type and quantity: Many wires need to be produced on request and demand a minimum order quantity.

 Physical limits: We have manufactured microscopic coils and coils up to 2.5m in size, but where is the limit?

Cost

Series production based on quotation.

use



Examples

