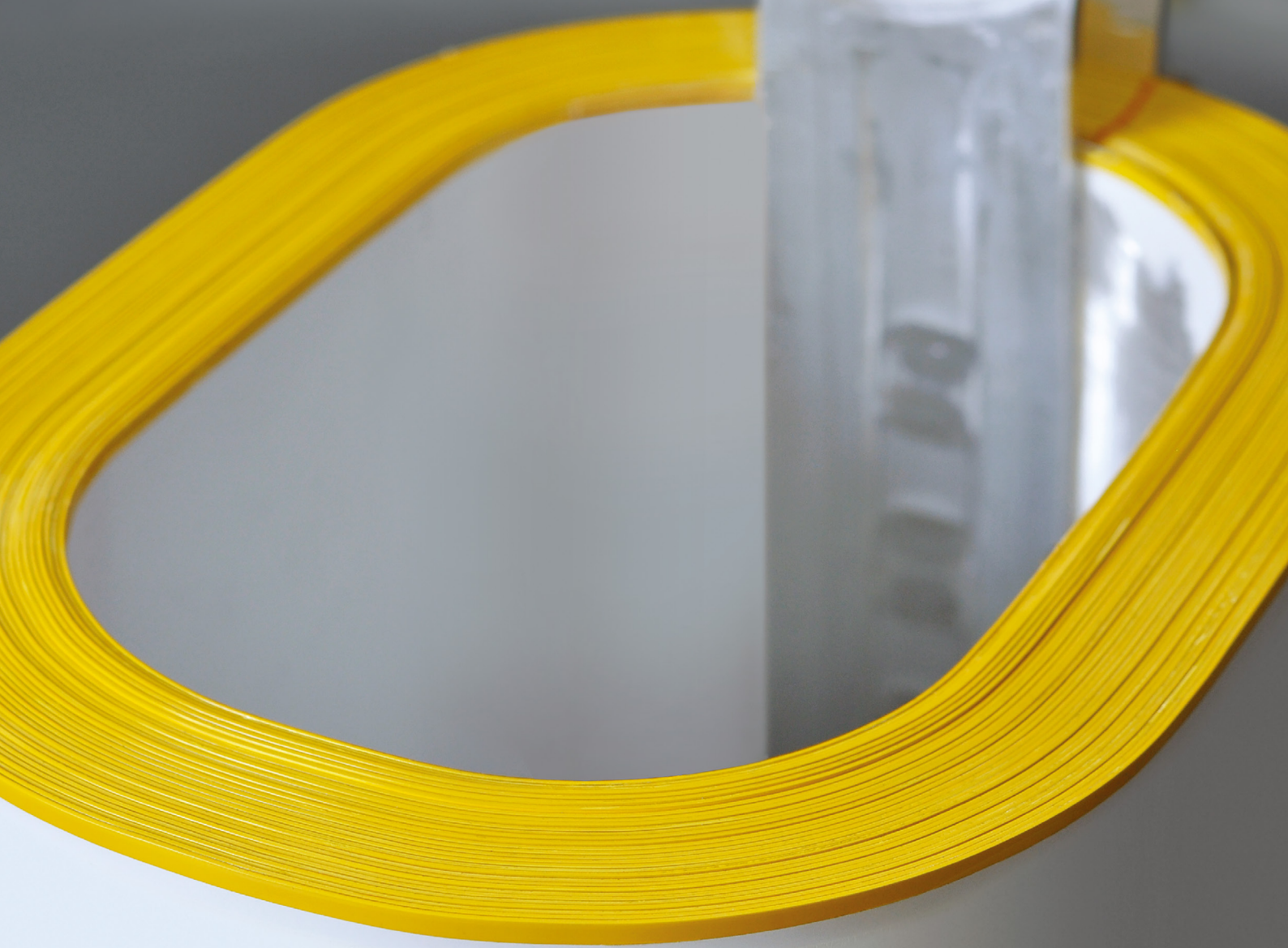


TRANSFORMER COIL BAND



CREATE
THE
DIFFERENCE



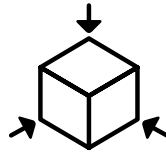
The next-level material for transformers

Coil material for electrical transformers need inter-lap insulation. Traditionally, paper has fulfilled this role. With MIRO® Volt, our insulation-coated aluminium strip, the need for the additional paper insulation is removed. MIRO® Volt aluminium strip offers you a step-up into the future of transformers.



Performance improvement

MIRO® Volt strips help increase electrical performance by reducing power losses within the transformer.



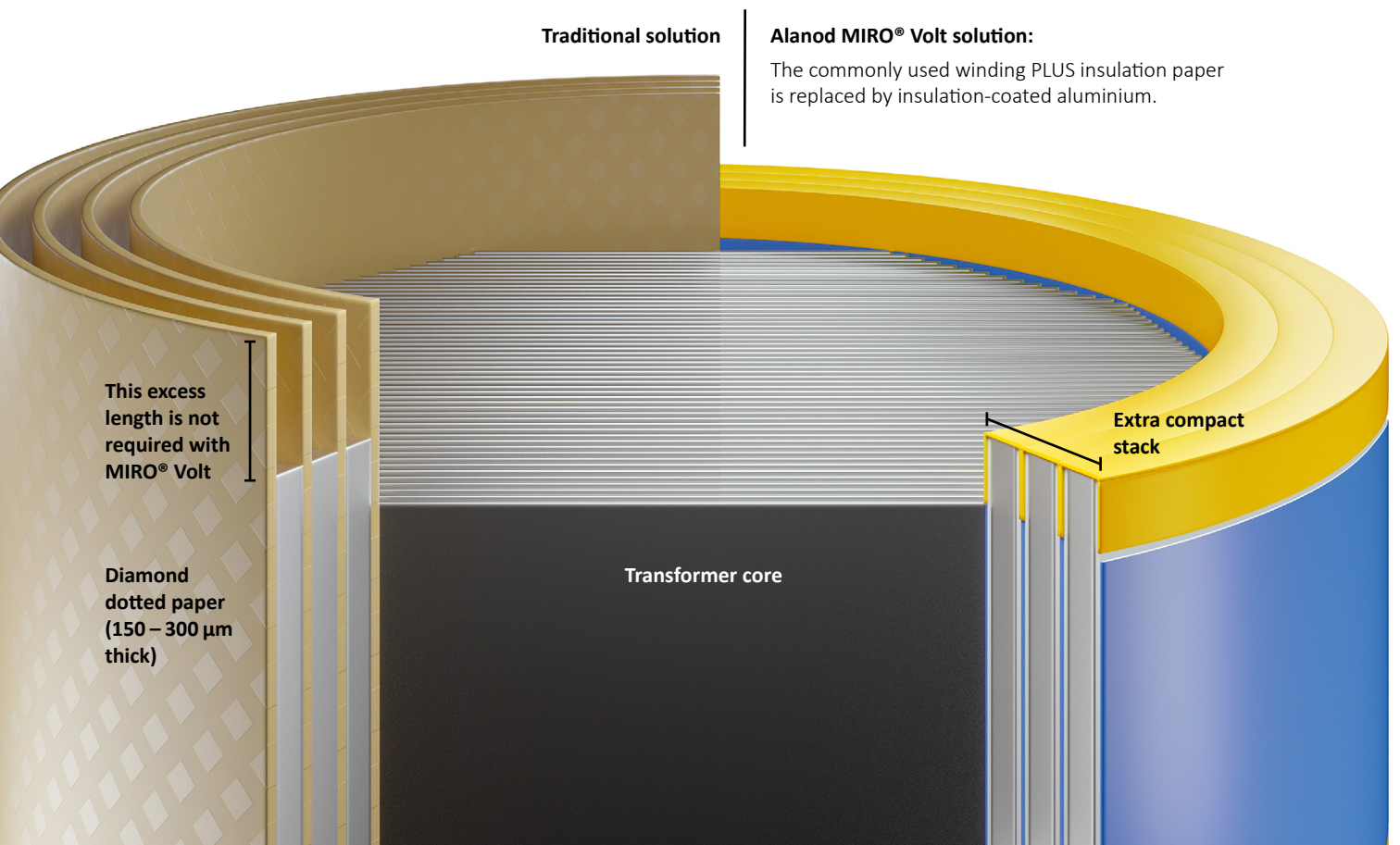
Space reduction

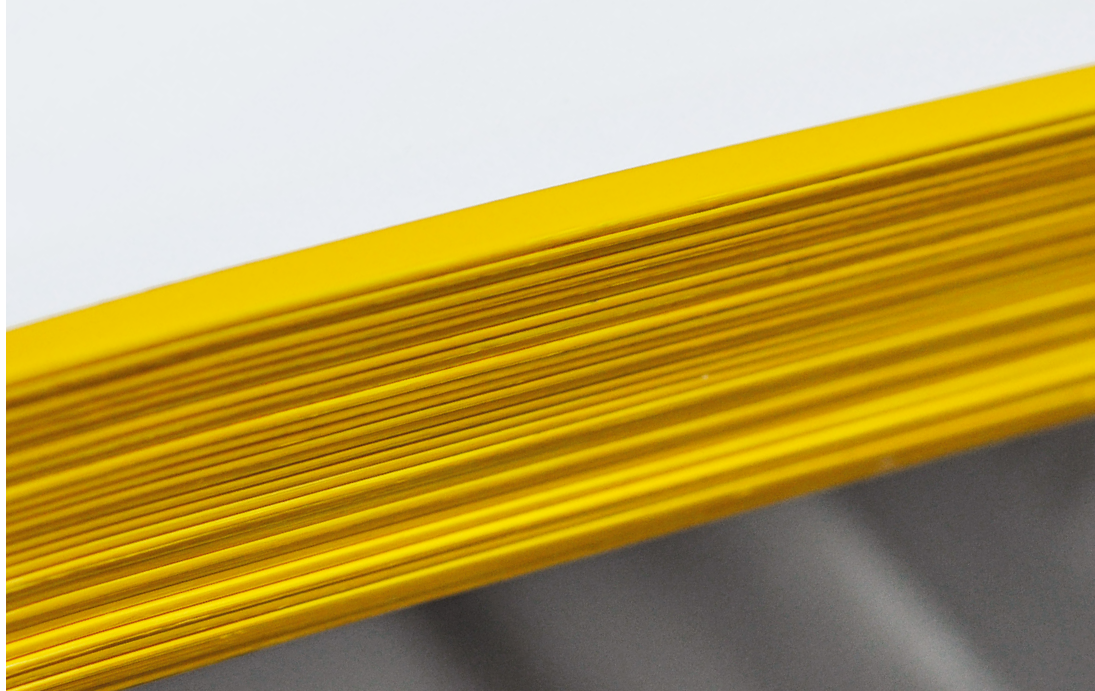
Compared to traditional transformer construction, MIRO® Volt strips need less space for the same performance.



Cost savings

A more compact inner core can be used, less material for the outer windings is needed, leading to significant material savings.



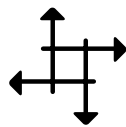


MIRO® Volt with edge insulation (yellow)
and insulation lacquer (white)



Production efficiency

Without the need for additional paper winding, MIRO® Volt offers clear production efficiency gains.



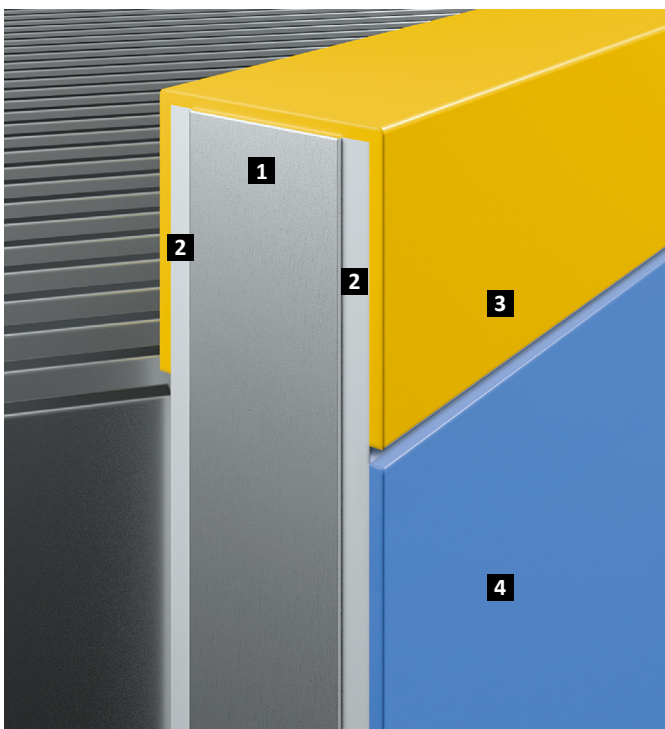
Stable protection

MIRO® Volt with optional adhesion layers will result in a solid winding, protecting your transformer system from mechanical damage.



Proven technology

One of the major worldwide transformer manufacturers has been using MIRO® Volt since 2019 – with only positive results.



1 Aluminium

- 0.2–1.0 mm thick
- EN AW 1070 (other alloys on request)

2 Insulating lacquer (white)

- 10–60 µm thick
- Two layers (fail-safe against defects)
- Up to 6000V breakdown resistance
- Temperature stability up to 180 °C

3 Edge insulation

- Insulation tape (15 µm thick)
- Avoids sparkovers
- Temperature stability up to 300 °C

4 Adhesion layer (optional)

- For good layer-to-layer adhesion
- Solidifies transformer shape
- Activated by annealing process

About Alanod

Alanod has more than 50 years of experience in the production of surface finished aluminium strips. To achieve the various multilayer-coatings, a lacquering line and four vacuum coating lines (PVD) are used in our coil-to-coil processes.

For additional needs, an existing global sales network ensures tailor-made, on-site advice and support. Whichever worldwide market you are in, we have on hand the resources and logistics to look after your specific requirements.

Care for the Environment

Conserving natural resources has been part of our corporate philosophy ever since our company was founded in 1975. Today, Alanod is a climate-neutral, sustainably run company. Due to the excellent recycling properties of aluminium, our materials use up to 90% recycled aluminium. This consumes up to 95% less energy compared to primary aluminium production. Moreover, our production uses “100% green” electricity.

Made in Germany

The high-tech material is completely manufactured at our sites in Germany.

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