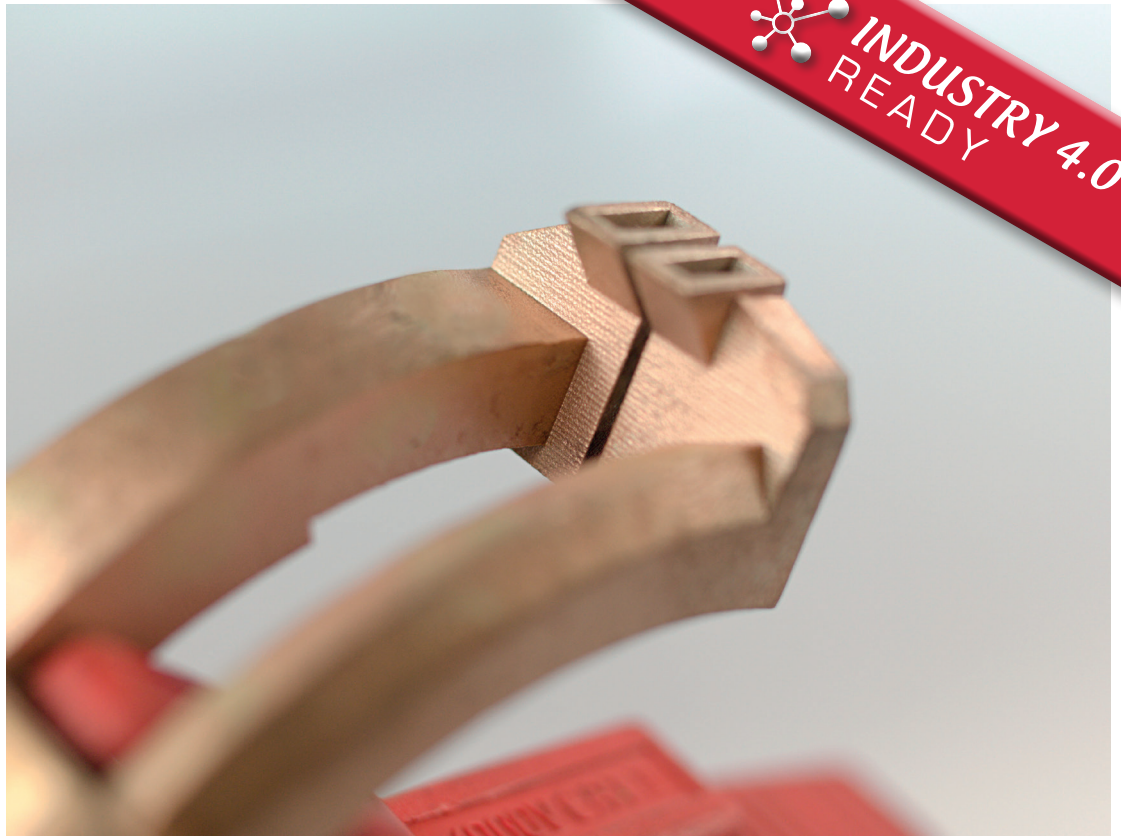


3D PRINTED COILS



Reduced set-up



Longer lifetime



Reliability



Faster delivery

ADVANTAGES



REDUCED SET-UP

The 3D printing technology guarantees higher dimensional accuracy and precision compared to the traditional production process: each inductor can be replaced with its copy without further system set-up or adjustments.



LONGER LIFETIME

No welded joints and no material discontinuities ensure to minimize localized heating due to power spots; moreover, the design of the water channels can be optimized to increase the cooling of the inductor's critical points, without limitations related to the traditional construction techniques.



RELIABILITY

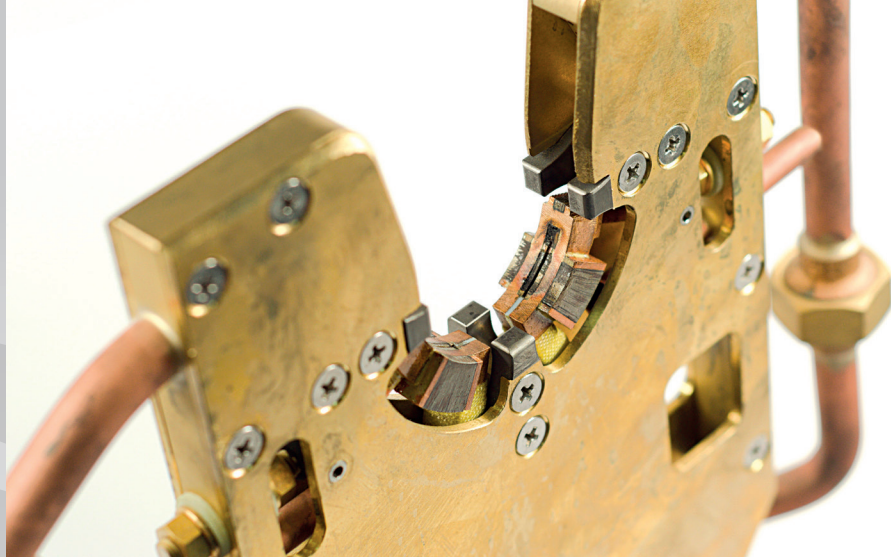
The possibility to design in a different way leads to manufacture mechanically stronger inductors with higher process reliability. Constant product quality is guaranteed whereas maintenance costs and downtime are reduced.



FASTER DELIVERY

The 3D printing technology drastically shorten the inductors leading time: the defined 3D model can be sent to the printing machine working 24/7. Shorter delivery time means a reduction of spare stock and storage costs.

3D Printed Coils

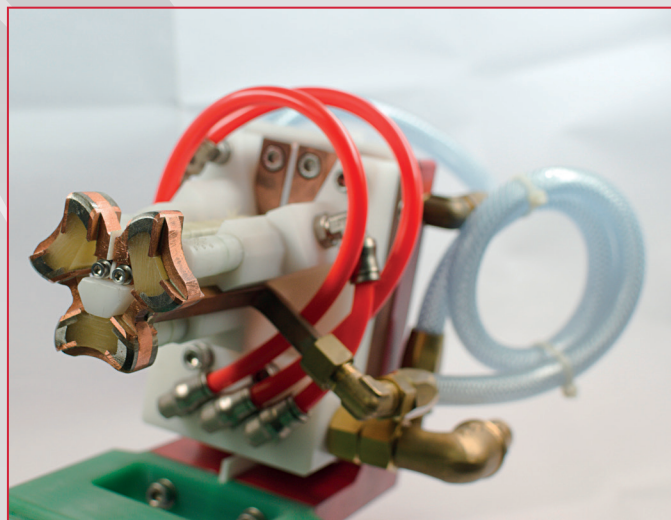


SAET offers an all-inclusive development package that includes:

- Full engineering support
- Electromagnetic simulations
- Coil test and process development in SAET metallurgical laboratory
- Tests and installation at customers' plant
- A longer service life - more than twice - compared to the traditional manufactured inductors

Customer will benefit from a variety of reasons:

- Savings in maintenance
- Quality of the parts
- Reduction of stocks
- Increase in production



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