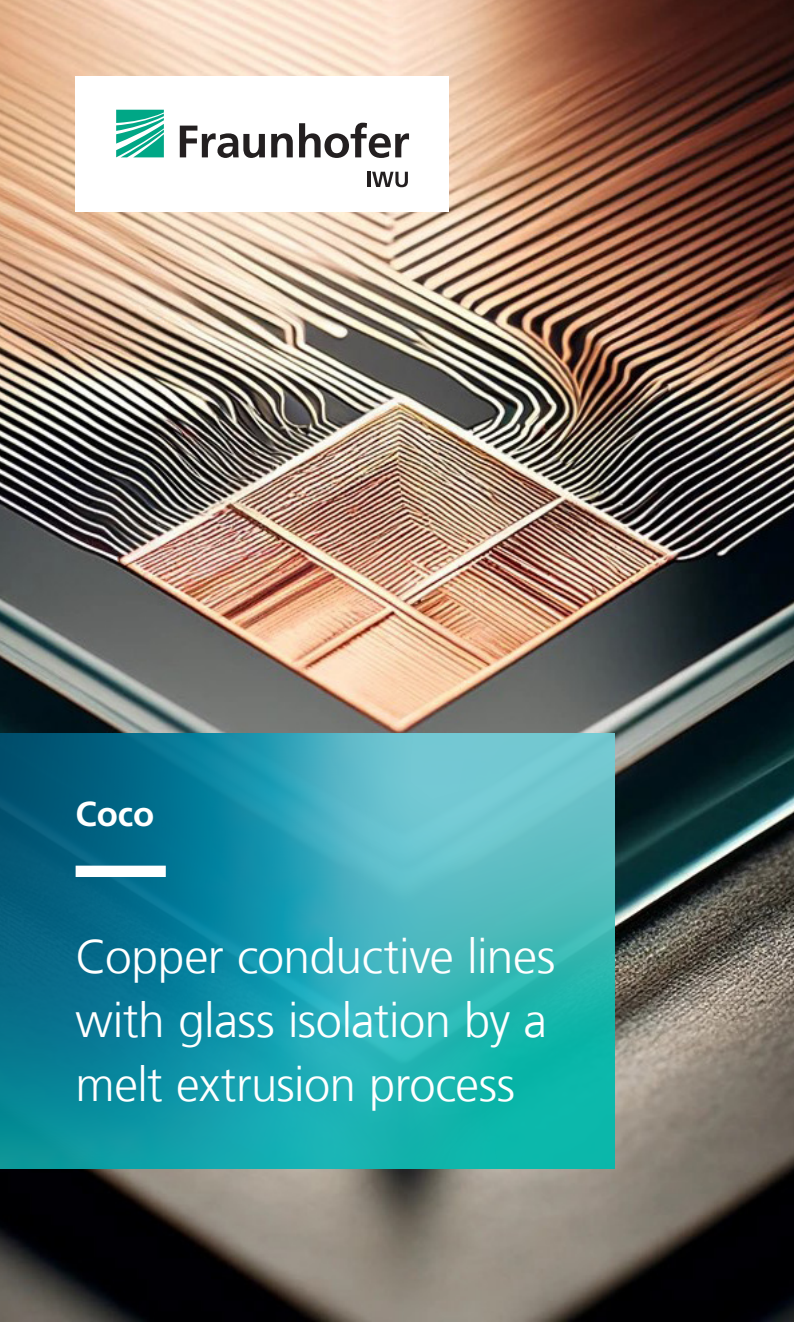


Fraunhofer IWU

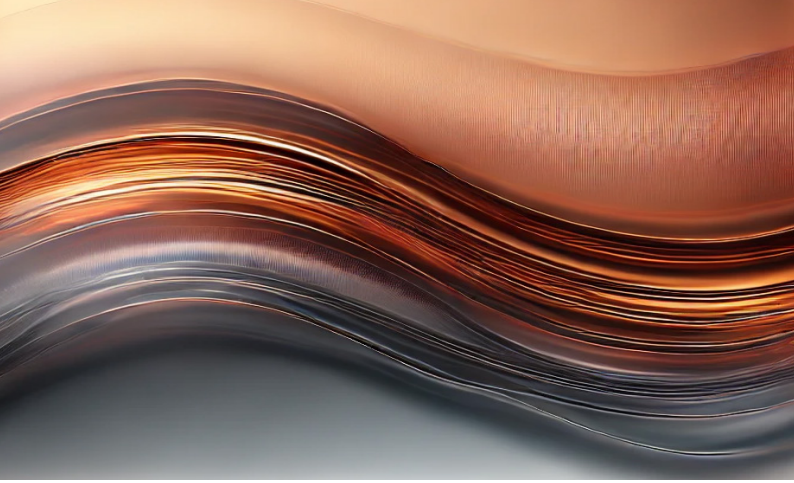
Coco

Copper conductive lines with glass isolation by a melt extrusion process

TU Bergakademie Freiberg TUBAF The University of Resources. Since 1765.

Wrocław University of Science and Technology

micrux TECHNOLOGIES



About the project

Innovative multifunctional material concept for electronic applications project Coco aims to print parts with embedded electrical infrastructure for power electronics. Therefore, an innovative material concept combining copper as highly conductive material and glass as high temperature isolator is developed. Printed in an extrusion based process, manufacturing of multimaterial parts with high-throughput, energy and material efficiency is hoped to be achieved. Existing electronic devices based on plastic substrates should be improved with more versatility, added functionality, and an increased working temperature range.

Contact

Sebastian Müller
Thermal Joining
Phone +49 371 5397-1924
sebastian.mueller@
iwu.fraunhofer.de

Fraunhofer Institute for
Machine Tools and Forming
Technology IWU
Reichenhainer Strasse 88
09126 Chemnitz, Germany
www.iwu.fraunhofer.de

Funded by national partners of the european network

M-ERA.NET