



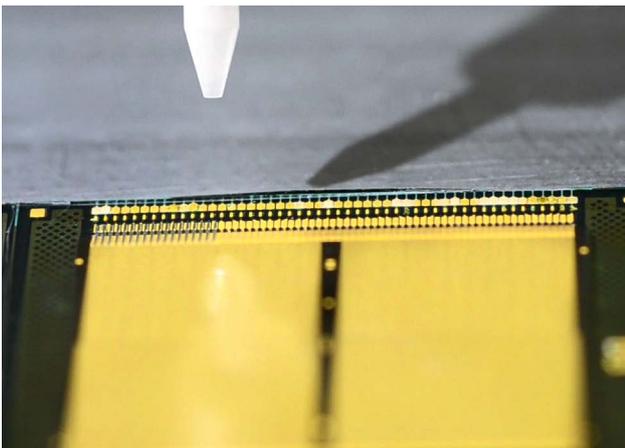
Printed electronics

Application development and volume production

The unique printing technology used, enables a wide range of conductive, non-conductive and biocompatible materials to be printed on a wide range of substrates and forms. In addition, new opportunities exist for interconnect technologies that can lead to performance improvements and cost optimization.

The integration of the circuits into three-dimensional surfaces often eliminates the need to use an additional substrate.

Compared to the methods used today to produce such three-dimensional circuit carriers, the technology chosen by Cicor offers a significantly wider variety of printed and printable materials. Devices for medical, aerospace and IoT applications can be significantly reduced in size by using this technology.





Portfolio

Technical capabilities

- Lines/spaces down to 10 μm
- Thickness of the printed layer from < 100 nm to tens of μm
- Large material portfolio (metallic and non-metallic conductive, dielectric, reactive and biocompatible inks)
- Great portfolio of printable materials
- Efficient printing process

Possible applications

- 2D and 3D printed antennas
- Printed embedded resistors and capacitors
- Printed circuits on ceramics (2D + 3D)
- Printed circuits on plastics (2D + 3D)
- Biocompatible circuits
- Component connection

For further applications, please contact our development department.

Markets



Medical Technology



Industrial



Aerospace and Defence



Wearables



Building Technologies

Contact



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Production sites

Printed Electronics



- Bronschhofen, Switzerland
- Singapur

The Cicor Group is a globally active provider of full-cycle electronic solutions from research and development to manufacturing and supply chain management. Cicor's approximately 4,300 employees in 12 countries are serving leaders from the medical, industrial and aerospace & defence industries. Cicor creates value to its customers through the combination of customer-specific development solutions, high-tech components, as well as electronic device manufacturing.

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