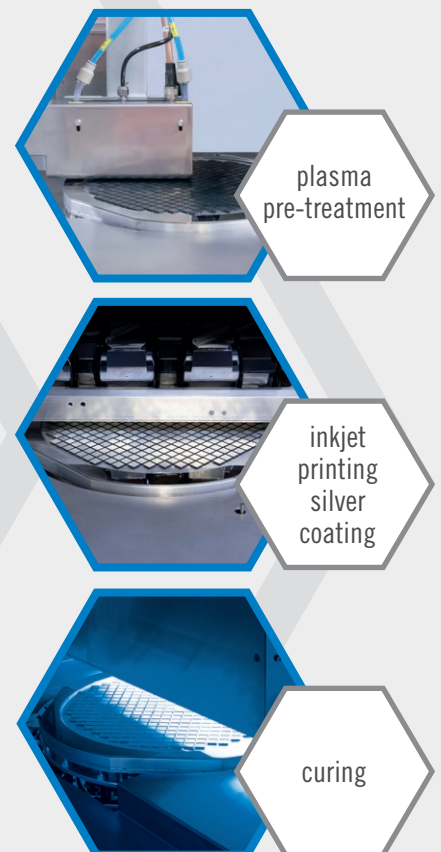


Prexonics®

System Solution for EMI Shielding in 5G Technology



Key Benefits

Superior Shielding Performance

- -60dB shielding achieved across broad frequency range with Ag coating

Improved Efficiency (compared to PVD)

- 25% lower TCO
- 3 times lower capex and smaller footprint

Selective Printing Capability

- Customized print layout with targeted ink deposition to create selective printing; no masking or etching required
- Reduces process complexity, time and cost
- Offers the opportunity for package design freedom, new grounding methodology, thermal management for multi-chip SiP

Heraeus Printed Electronics

Your full solution provider for EMI shielding

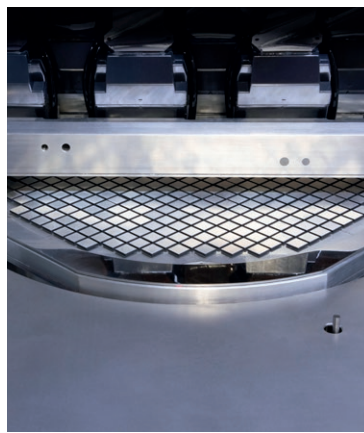
MOD ink



Particle-free ink,
ideal for inkjet
printing.

No EHS concerns as
with Ag-Nano inks.

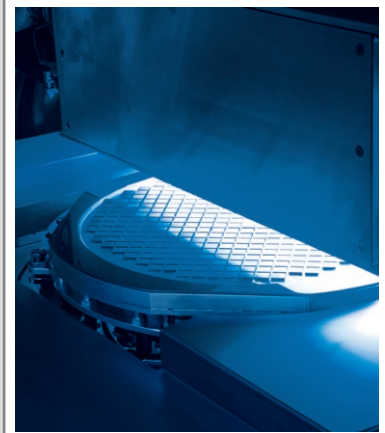
Inkjet print module



Printing parameters
fine-tuned to the
viscosity of the
particular MOD Ag ink.

High speed inkjet
printing of top surface
and sidewalls.

Curing module



Curing parameters
fine-tuned to
MOD ink and substrate.

Delivers optimal Ag
crystal structure and
conductivity in the
printed layer.

Prexonics® is a full system solution that optimizes EMI shielding while ensuring proper functioning of high-frequency onboard chips and their ultra-fast data transmission. This system consists of particle-free silver ink and a manufacturing process that uses inkjet printing to apply the shielding coating.

We have the capability to match all process, product and equipment perfectly to each other. In our application center we offer design support, materials analysis, troubleshooting, and the design of experiments. This enables us to embed our material into customer development to achieve a maximum of system performance and reliability.



For more information,
scan the QR code or contact
printed-electronics@heraeus.com
www.heraeus-printed-electronics.com

Heraeus Printed Electronics
Heraeus Deutschland GmbH & Co. KG
Heraeusstraße 12-14
63450 Hanau, Germany