PragmatIC®
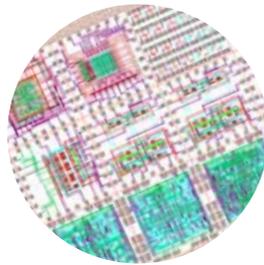
Create **more**
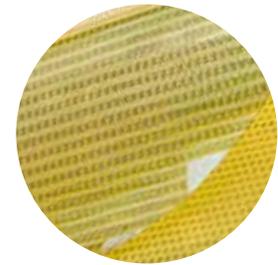
Connectivity
ConnectIC® family
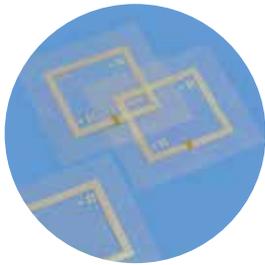
Designs
FlexIC Foundry™

Devices
FlexLogIC® fab

PragmatIC's unique, patented technology platform opens up the opportunity to invent entirely new applications for electronics.

Create more **connectivity**

The first application for our flexible integrated circuits (FlexICs) is to extend the proven RFID and NFC technologies into mass market use cases previously limited by cost. Our ultra-thin and low cost FlexICs are being adopted by global companies across diverse markets, including consumer goods, games and pharmaceutical sectors, to bring connectivity to everyday objects and to create novel solutions for extending the Internet of Things to the Internet of Everyday Things.

Create more **designs**

Our FlexIC Foundry™ allows anyone to design custom flexible integrated circuits, using industry standard tool flows, and have them manufactured on our production line. With an ultra-low tapeout cost and the ability to iterate designs in just a few weeks, this gives designers the freedom to imagine new solutions that can take advantage of the unique properties of our technology.

Create more **devices**

To enable fast, cost-effective and scalable production, we have developed our FlexLogIC® system for FlexIC manufacturing. This ground-breaking "fab-in-a-box" delivers high throughput at 100x lower capex than a silicon fab. FlexLogIC produces billions of FlexICs per annum with a cycle time of less than 24 hours. Compact, self-contained and highly automated, it provides a disruptive approach aligned to just-in-time delivery of mass market volumes.

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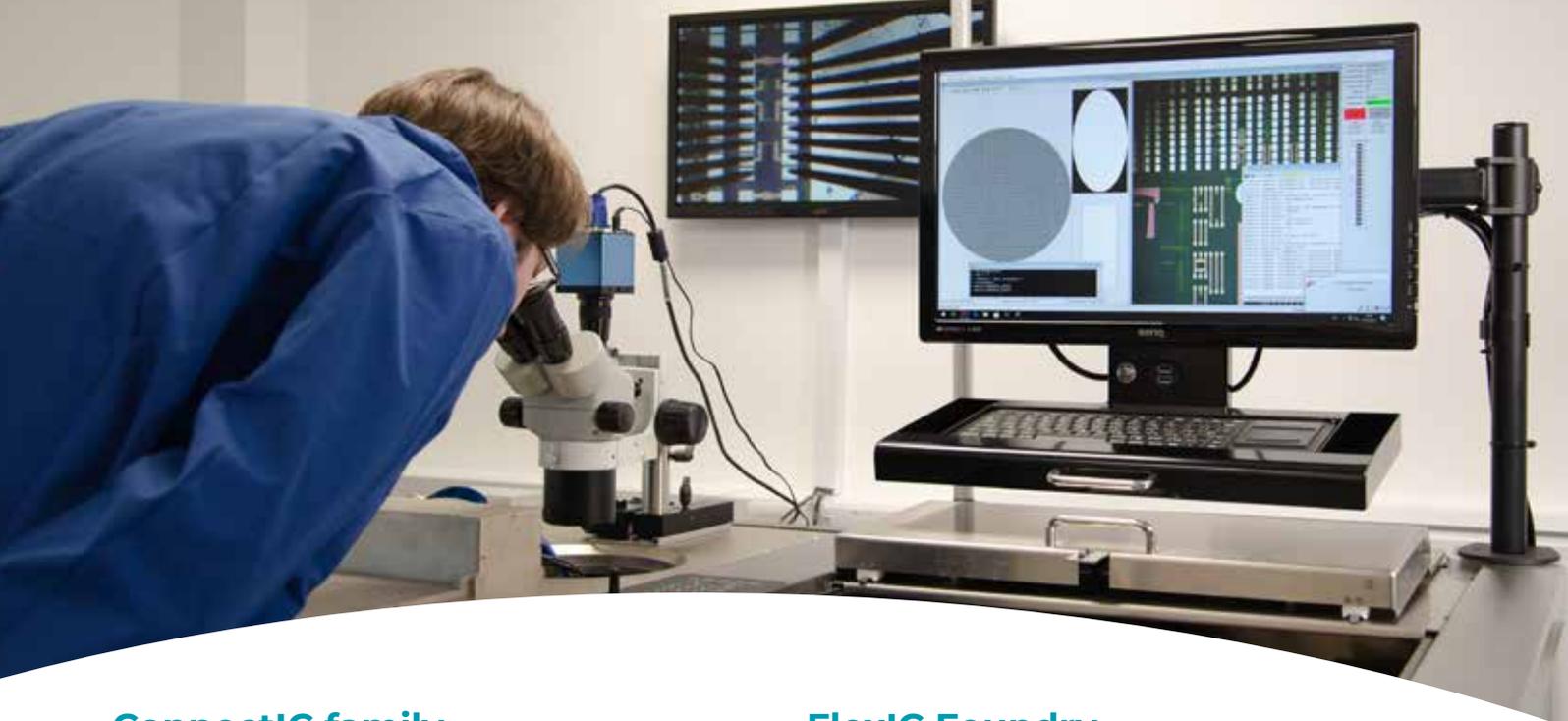
ConnectIC family

- Ultra-low cost
- Thin, flexible and robust
- Fast read times
- Customisable data format
- Suitable for paper or plastic inlays
- Easy to integrate, compatible with industry standard inlay assembly tools

ConnectIC applications

- Supply chain traceability
- Hierarchical identification
- Authentication
- Provenance
- Grey market prevention
- Consumer engagement

FlexIC Foundry

- Flexible ICs with approx. 30μm thickness
- PDK compatible with industry standard EDA tools
- Device library including transistors, resistors, capacitors
- Four metal layer stack for efficient interconnects
- Growing standard cell library
- Low NRE and fast production cycle time

FlexLogIC fab

- Self-contained and fully automated
- Billions of FlexICs per annum
- 100x lower capital investment than silicon fab
- 100x smaller footprint than silicon fab
- 100x faster production cycle than silicon fab

PragmatIC is headquartered in Cambridge, UK, with a billion-unit production facility in NETPark, Sedgefield. Shareholders include Cambridge Innovation Capital, Arm and Avery Dennison.

Learn more about PragmatIC
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