PragmatIC®
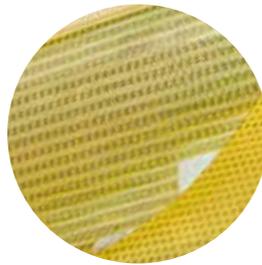
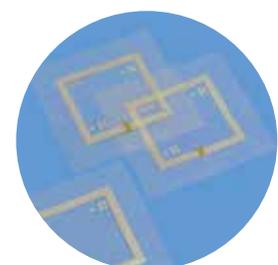# Create **more**

Designs
FlexIC Foundry®
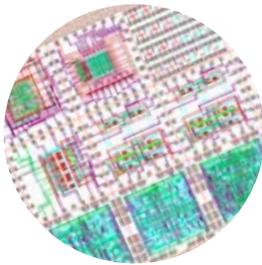
Devices
FlexLogIC® fab

Connectivity
ConnectIC® family

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

Create more **designs**

PragmatIC's FlexIC Foundry® service is the first in the world to allow innovators to design custom flexible integrated circuits (FlexICs) that are thinner than a human hair. Our pioneering unique technology enables the rapid turnaround of new designs and prototypes at a low fixed cost. This combination allows designers to iterate and test their creations within weeks, accelerating the development cycle.

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.

Create more **connectivity**

Our ConnectIC® family is our first flexible integrated circuit (FlexIC) standard product offering – the ideal solution to add connectivity to everyday objects. Designed on our unique technology platform to achieve the ultra-low-cost price point required to add intelligence to products in a wide range of markets, including food and beverages, personal and home care, pharmaceutical and healthcare, toys and games, and more. Applications include supply chain traceability, authentication and customer engagement.

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

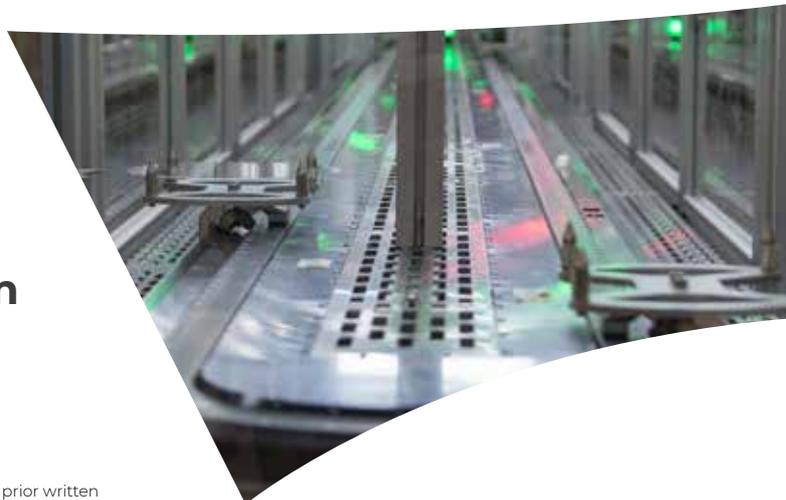✧ Self-contained and fully automated
✧ Billions of FlexICs per annum
✧ 100x lower capital investment than silicon fab
✧ 100x smaller footprint than silicon fab
✧ 100x faster production cycle than silicon fab

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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www.pragmaticsemi.com