BABELSTREET

PRODUCT BRIEF

Semiconductors

BABEL STREET DATA

The Advanced Semiconductors collection from Babel Street Data was developed to help customers better understand the semiconductor ecosystem generally and the implications of RISC-V specifically. Audiences such as investors, policymakers, and companies interested in the future shape and structure of this technology will find this data package invaluable.

If you want to better understand the semiconductor manufacturing ecosystem, or if you want to understand the web and interplay of companies within the industry, or if you want to better understand how RISC-V will help China potentially develop self-sufficiency, Babel Street can provide the level of insight and intelligence that you need.

Commercialized RISC-V technologies are an emerging and disruptive trend in the advanced semiconductor industry. In contrast to earlier RISC architectures, RISC-V is an open-source design architecture, maintained by RISC-V International (a 200+ member community). It was designed to provide a viable decentralized alternative to a technology field currently dominated by a few consolidated architectural standards. Past industry leaders' designs have been a cornerstone for advanced semiconductor applications of AI and high-performance computational and smart devices (IoT). Demand for these applications continues to grow worldwide. However, past industry leaders' market dominance is being threatened by the competitive pressure of RISC-V and by increasingly restrictive policy measures which limit known competitors to market and sell globally.

Our Advanced Semiconductor Data Helps Advance Your Best Decisions

We provide insights into the semiconductor ecosystem from multiple perspectives:

- Different computing architectures and companies designing their own "custom silicon"
- Chip manufacturers, chip equipment makers, and fabless chip companies
- Consumer technology hardware brands that embed critical chip technology
- Industries depending upon AI, high-powered compute, 5G/edge, and generative AI
- Suppliers who provide component technologies to chip manufacturers
- Countries that need advanced semiconductors to remain competitive

Semiconductor Categories

- Semiconductor ecosystem members list
- Collection patents
- Semiconductor ecosystem unstructured content
- Semiconductor ecosystem knowledge graphs
- **And more**