



Semiconductors

The highly dynamic semiconductor industry plays a central role in many emerging technologies. Semiconductors have been a catalyst for the technological achievements that contribute greatly to the improvement of our daily lives, affecting transportation and communication systems, and causing dramatic growth in the electronics industry. Companies within this industry face one of today's most competitive landscapes, making the protection of innovation a priority.

At COJK, we apply the practical industry experience we have gained through working with some of the world's largest semiconductor manufacturers to our clients' intellectual property challenges. Our intellectual property knowledge, combined with backgrounds in engineering, science, and technology, help ensure the strength of our clients' production streams and market presence.

We have experience working with clients on a range of projects, including:

- Integrated circuit design
- Silicon wafer design and manufacturing
- Semiconductor manufacturing
- Semiconductor manufacturing processes, including electrochemical deposition (ECD) processes and chamber design, Chemical Mechanical Polishing (CMP) technologies, and Silicon-on-Insulator (SOI) technologies
- Semiconductor characterization: metrology, microscopy, optical, electrical
- Nanotechnology related to semiconductor wafer fabrication, devices, and characterization
- Semiconductor test and packaging