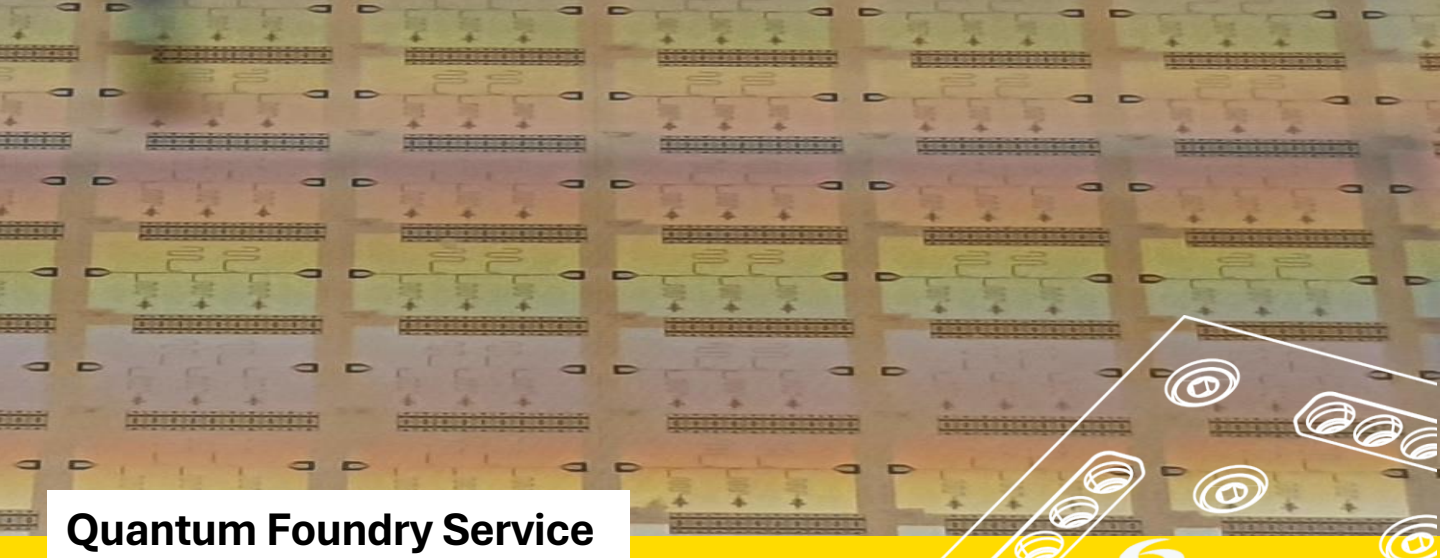
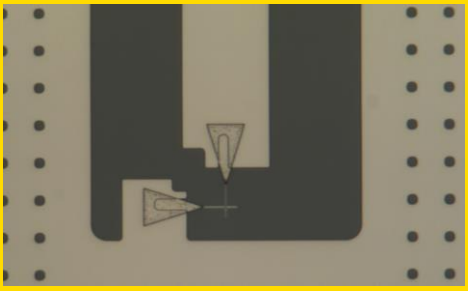
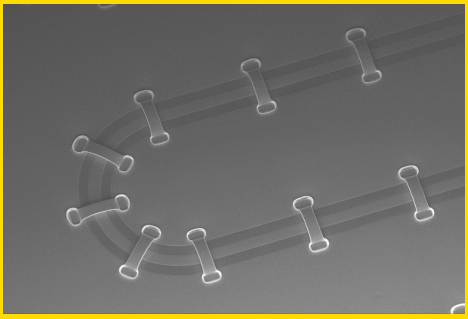


Quantum Foundry Service

Quantum Foundry Service for Superconducting Quantum Devices

We specialize in the fabrication of superconducting quantum devices tailored to client-specific designs, achieving world-class coherence. Leveraging our expertise in Al/AlOx/Al Josephson junction (JJ) fabrication-an essential component of superconducting circuits for quantum computing - we ensure high parameter precision and exceptional yield. We have years of experience with foundry service for leading universities and industry.





Highlights

- High-performance qubits (T1 up to 256 µs with an average of > 145 µs, and Q > 2M)
- ±10% Josephson junction (JJ) size precision with > 90% yield over a 4-inch wafer
- JJ resistance ranging from 1 kΩ - 40 kΩ
- Complex structures such as air-bridges, under bump metallization (UBM), etc., for planar and 3D-integrated quantum chips.
- Process-Based Pricing

ConScience

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