Superconducting Quantum Circuit Prototyping Facility Qufab

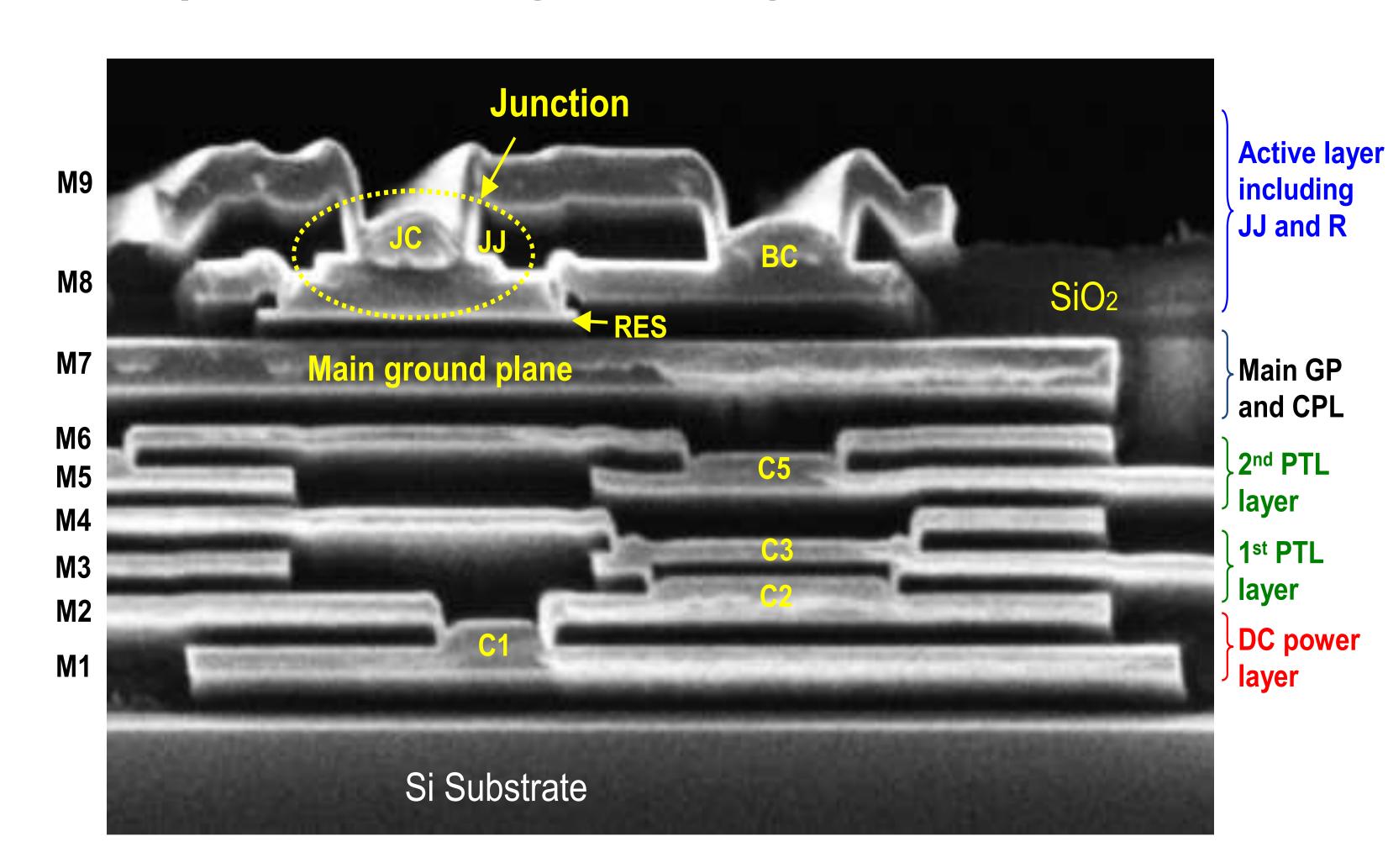
- Prototyping line for devices & circuits in superconducting quantum computers
- Supports prototyping of superconducting qubits, circuits & 3D integration
- From R&D to circuits prototyping for commercial apps

Device Fabrication Service

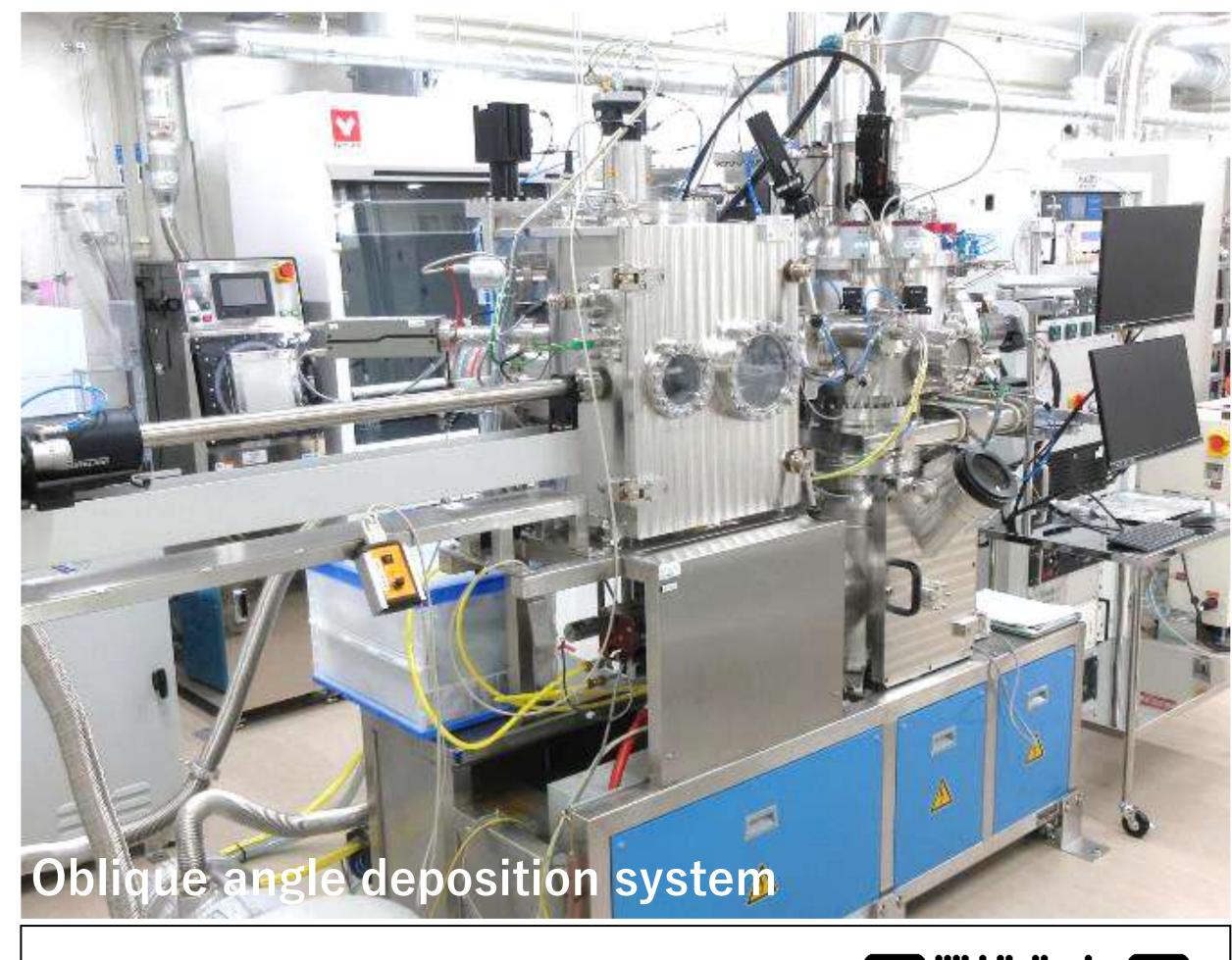
- Cleanroom: 720 m², Class: Mainly 1000
- 4-inch prototyping line
- Key process and measurement equipment: > 50 units
- Thin film: Nb, Al, Pd, Mo, etc.
- Superconducting qubits fabricated by angled deposition
- i-line stepper and electron beam lithography (lithography down to 20 nm)
- Etching systems for fluorine- and chlorinebased processes, compatible with various materials

Lineup of Prototyping Services

- 9-layer superconducting multilayer interconnects
- TSV (Through-Silicon Via)
- Superconducting bump bonding
- Superconducting 3D integration







FOR MORE INFORMATION & FACILITY ACCESS







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