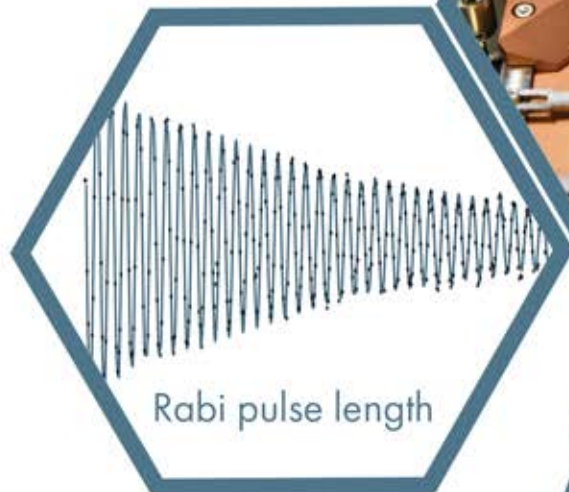
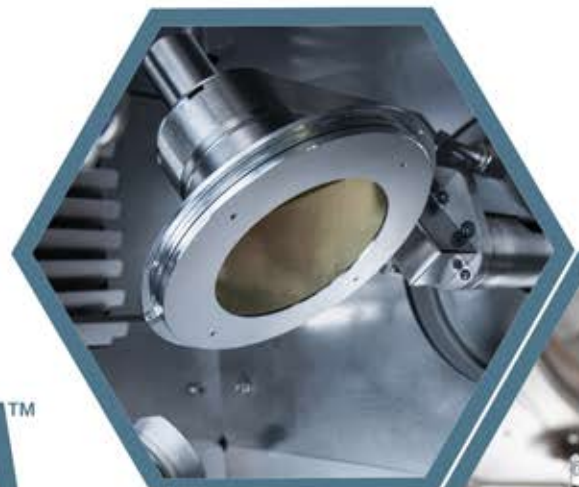


 **QUANTUM™**
SERIES
Josephson Junction Fabrication



Josephson junctions form the heart of the superconducting circuit. Let's make some.

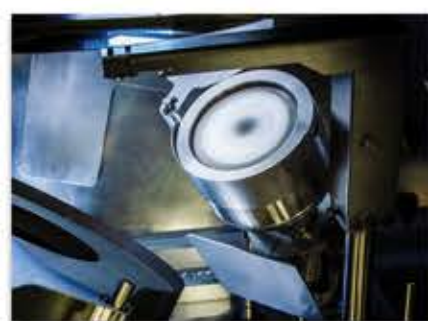
Oxide Removal



Aluminum Evaporation



Niobium Sputtering



Deposit pure superconducting electrodes

Oxidation Technology

- Static oxidation
- Dynamic oxidation
- Plasma and UV / ozone oxidation
- Gas purification system
- Direct optical wafer temperature monitoring
- Real time oxide growth monitoring with in-situ ellipsometry

Grow uniform tunnel junctions



Precise shadow evaporation

Angstrom went to great lengths to refine the tolerances of the tilt angle to less than 0.1 degree. Those wonderfully narrow tolerances allow us to repeatedly create very precise nanostructures. I can say wholeheartedly, the product and service Angstrom Engineering delivered has been amazing.



Dr. Steven Jim - Process Engineer, Intel



Repeatable, controlled fabrication via AERES™



The Angstrom system has revolutionized our work-flow. We can push true scientific boundaries without worrying about the possibility that some technical detail will throw the experiment off. Aeres process control software provides among the best control I've ever worked with. Learning to use the software was intuitive and straightforward. It was immediately easy to produce the desired deposition in a highly reproducible way.

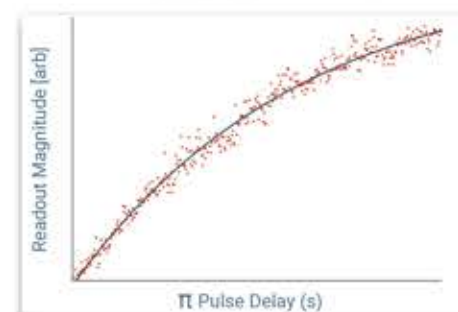
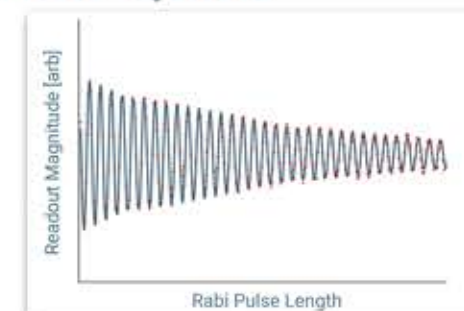
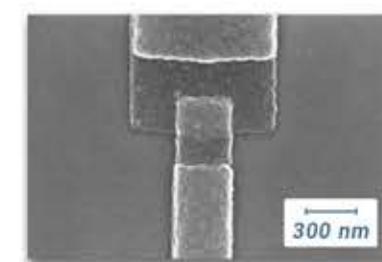


Dr. Matthew White - University of Vermont

QUANTUM™ SERIES



3D Transmon Qubit



Qubit fabricated using Quantum Series equipment and independently characterized by the Institute for Quantum Computing (IQC) at the University of Waterloo.

It has been a pleasure for us at Hebrew University to do business with Angstrom Engineering: young people, fully motivated, and providing first class service. Angstrom was selected after a tight purchase process among several known companies. The process involved many interactions and demonstrations on real, complex samples. Their performance and attitude during the whole process was flawless. Our Quantum Series evaporator is now installed and now our researchers have the right tool for our work.



Dr. Shimon Eliav - Hebrew University of Jerusalem

The two deposition systems we purchased from Angstrom Engineering are being heavily used in our 300-user clean room lab in various research projects and applications. The systems are 'workhorses', highly reliable and user friendly. Working with Angstrom Engineering has been a pleasure to me and my staff and we are very happy we chose to purchase our deposition systems from your company.



Dr. Nava Ariel Sternberg - Director of Columbia Nano Initiative's Facilities, Columbia University

Out of all the systems I have used, yours is by far the most reliable, consistent, and easy to use.



Dr. Marc Baldo - Massachusetts Institute of Technology

Service and Support: Our Commitment

An Angstrom system in your lab makes us partners; we become part of your team. We guarantee **same day** response to any service inquiry regarding parts, technical support, and software support.



-  Head office and manufacturing facility
-  Service and Support facilities
-  Some of our existing systems in use



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