

Fabricated Low-Cost Demo Qubits & Resonators Explained in Navaho

Onri Jay Benally, Mohamad Ibrahim, Mural Hashim, Noah Lee



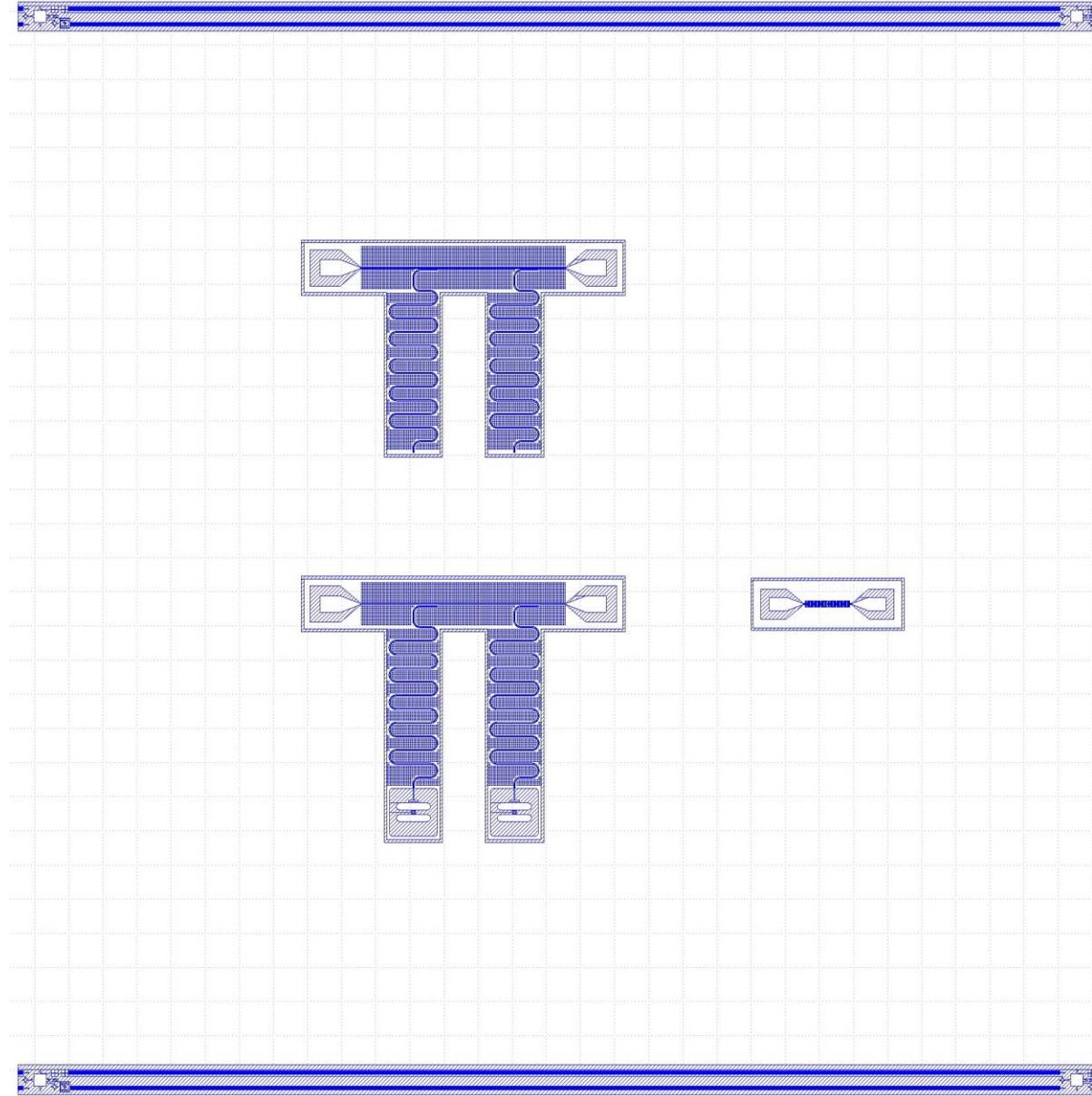
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QUANTUM
COLLABORATIVE

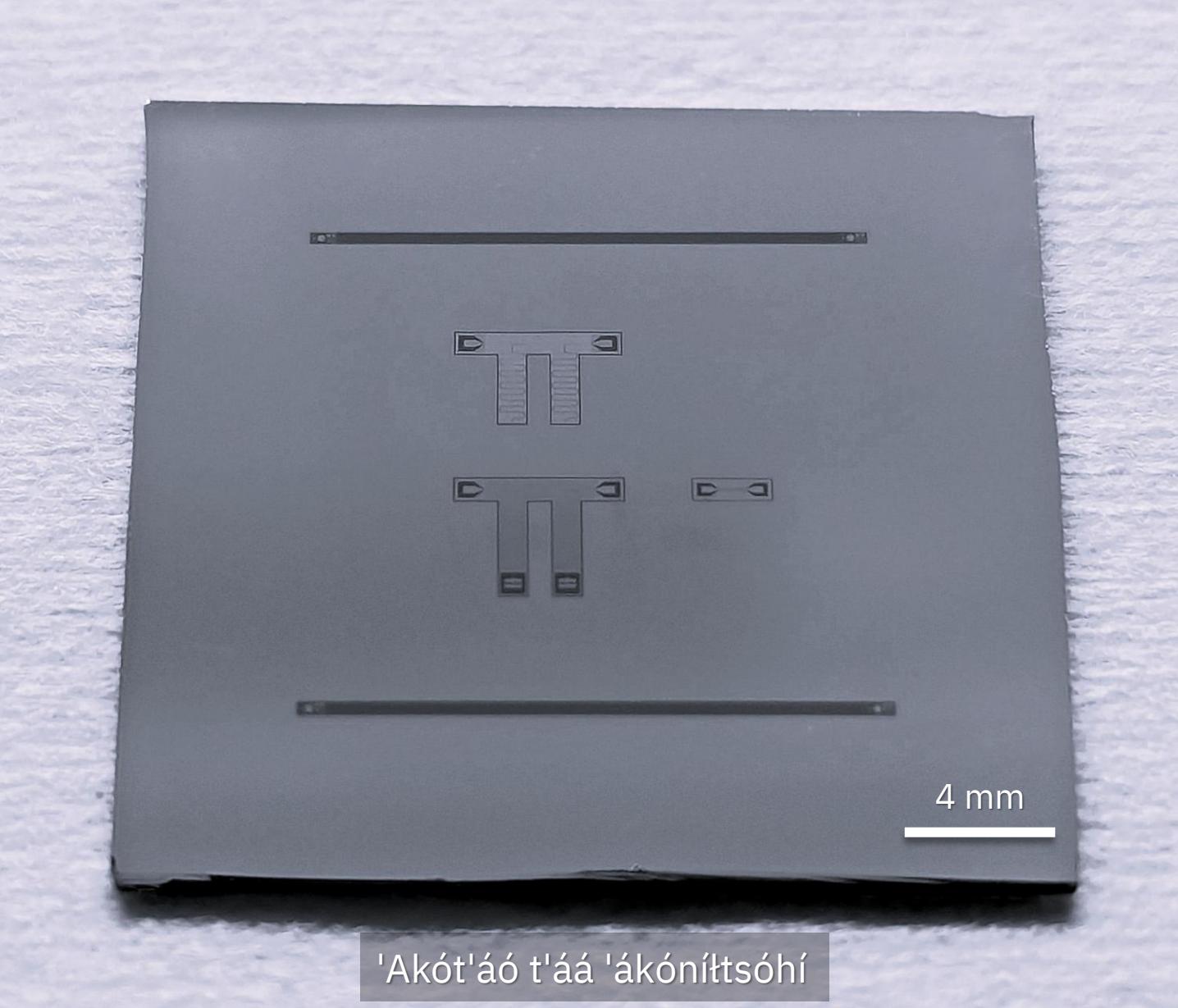
Notes

- The images in this slide presentation were prepared based on a low-cost LASER-based lithography/ imaging process at the Minnesota Nano Center.
- All features were designed on a 1-inch hand-diced/ diamond-scribed SiO_2 chip.
- Chip was prepared, fabricated, and imaged by Onri and team.

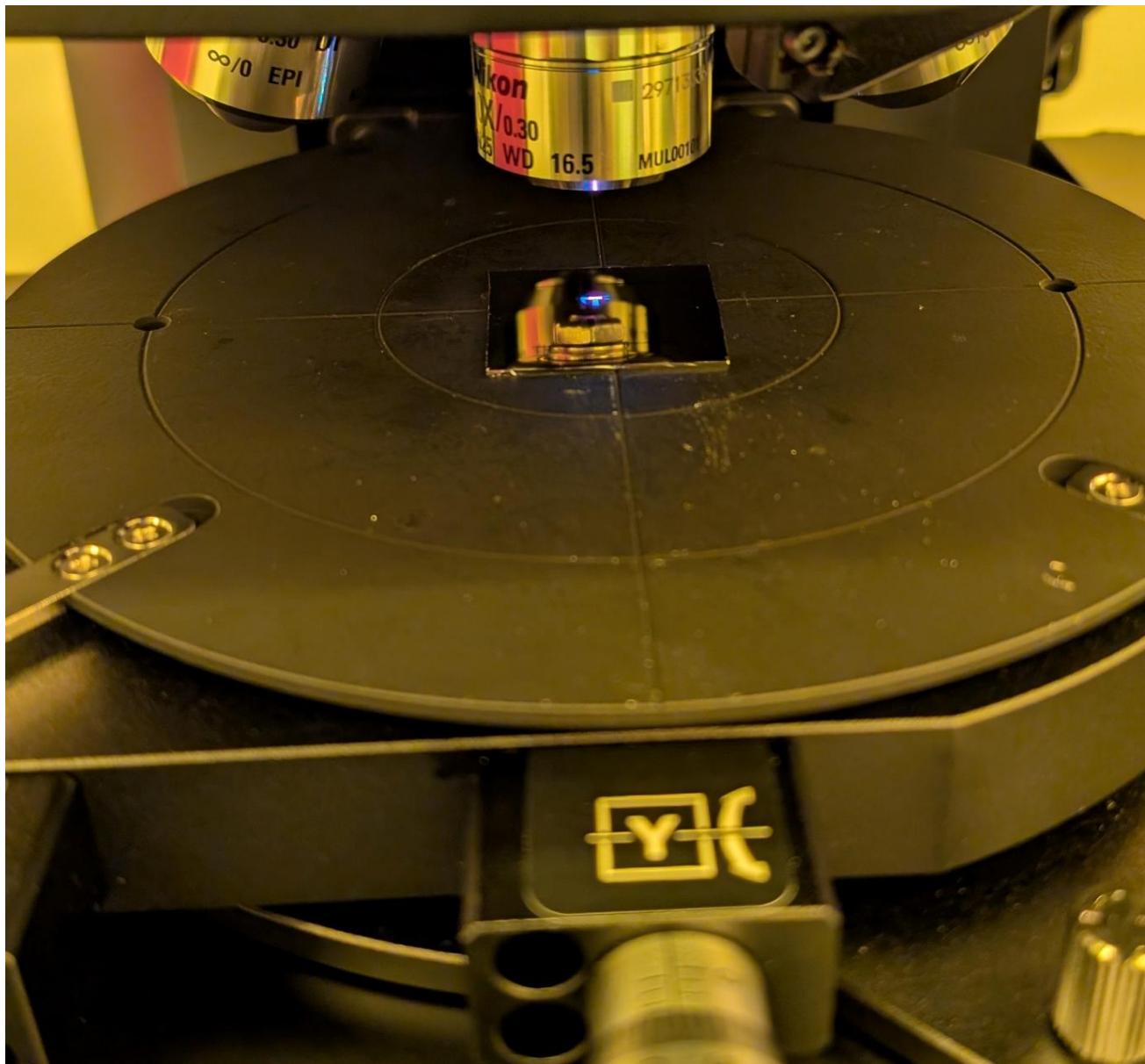
Layout



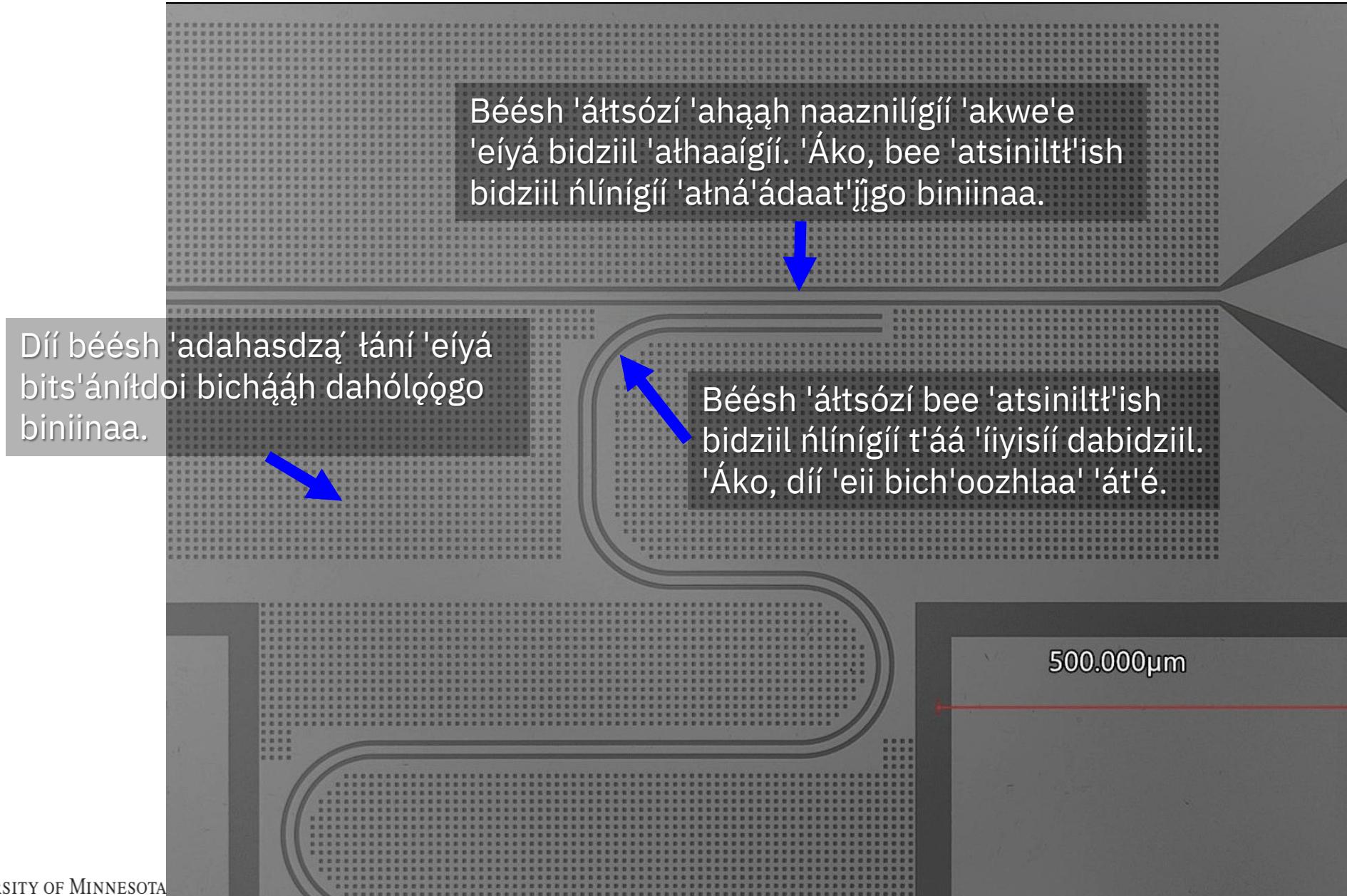
Béésh t'áá 'aníí 'á'ádaat'éhígíí nitsékeesí bitsiighaą'



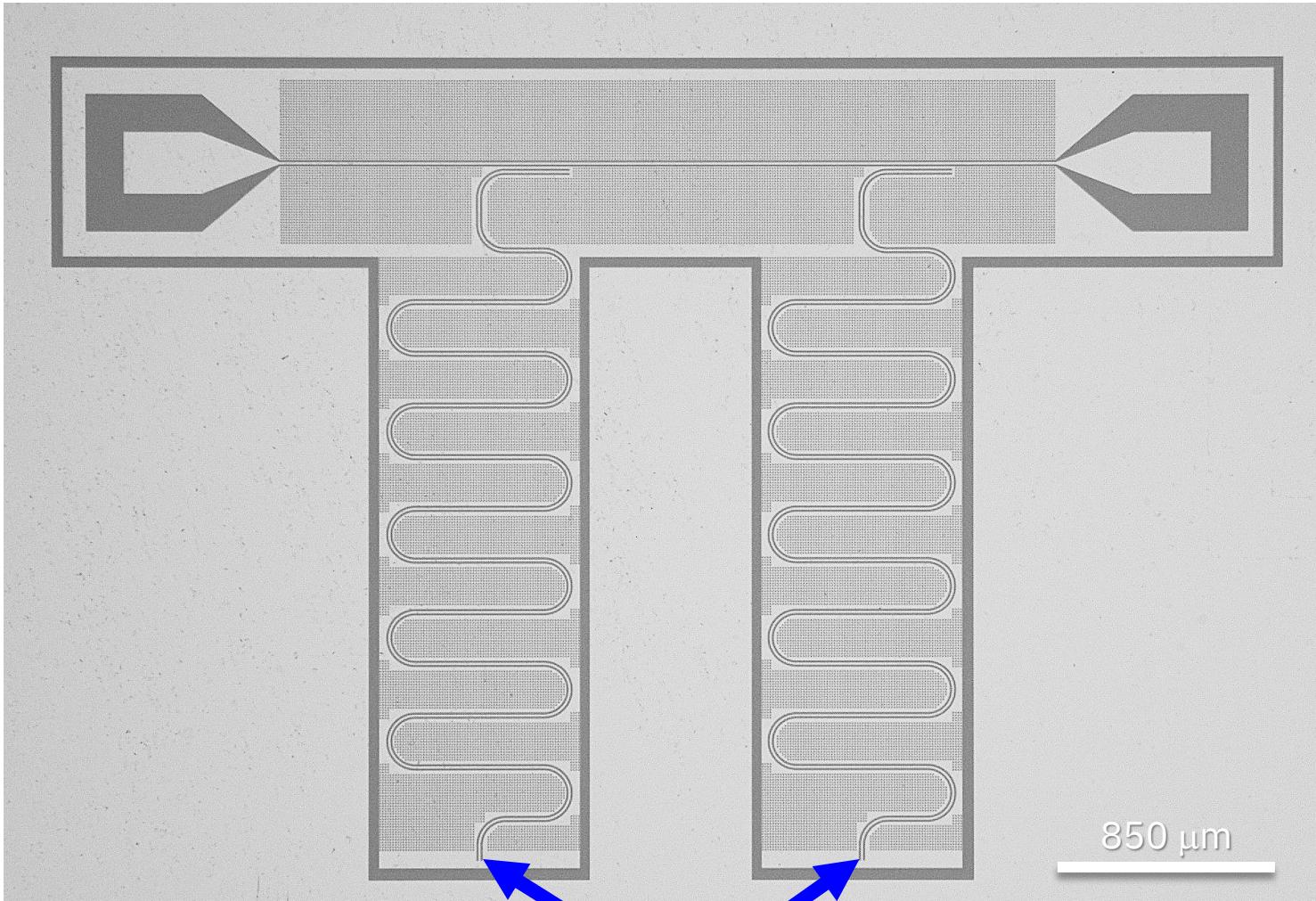
'Akót'áó t'áá 'ákóníłtsóhí



Béésh 'áłtsózí bee naalnishii

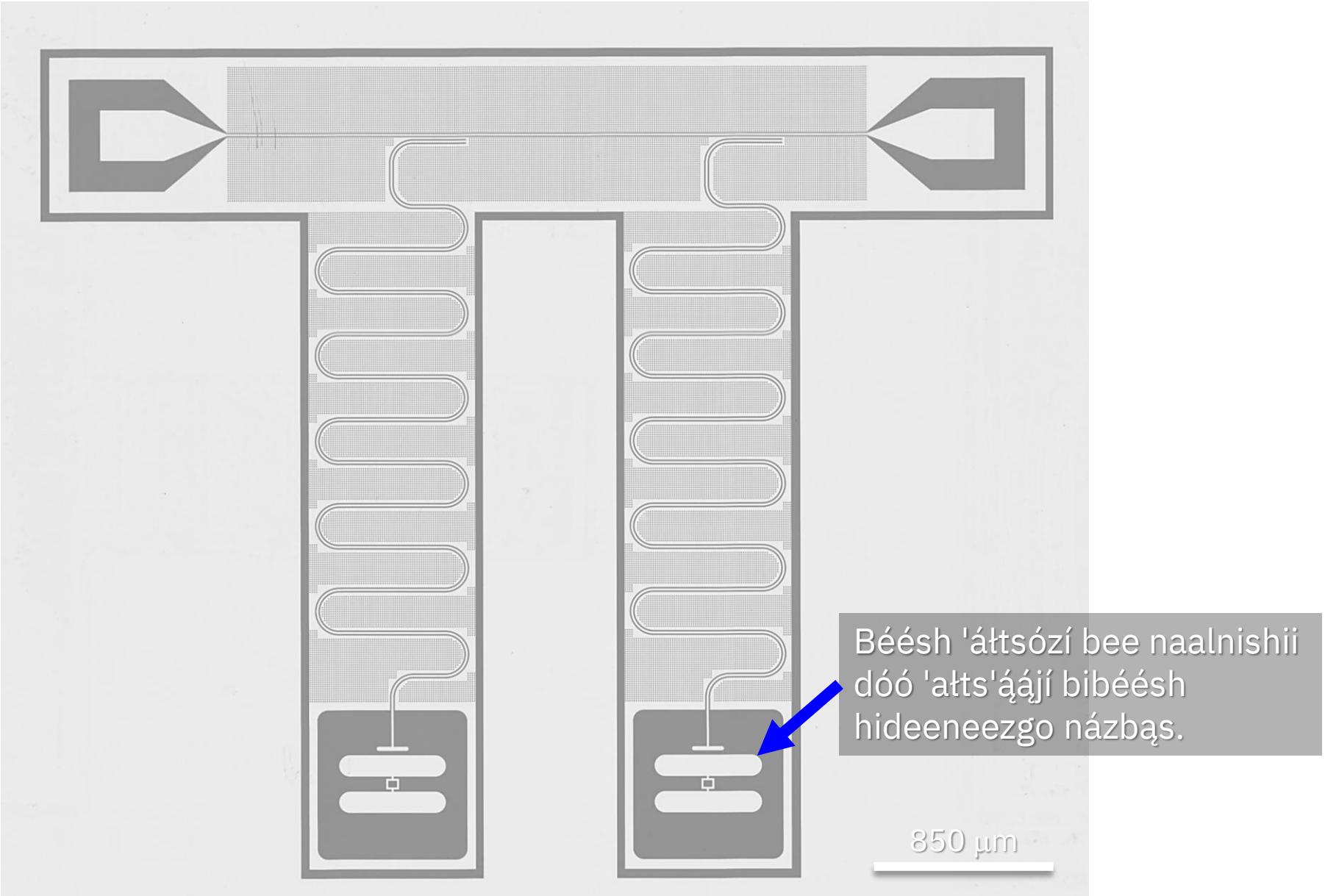


Béésh 'áłtsózí bee naalnishii

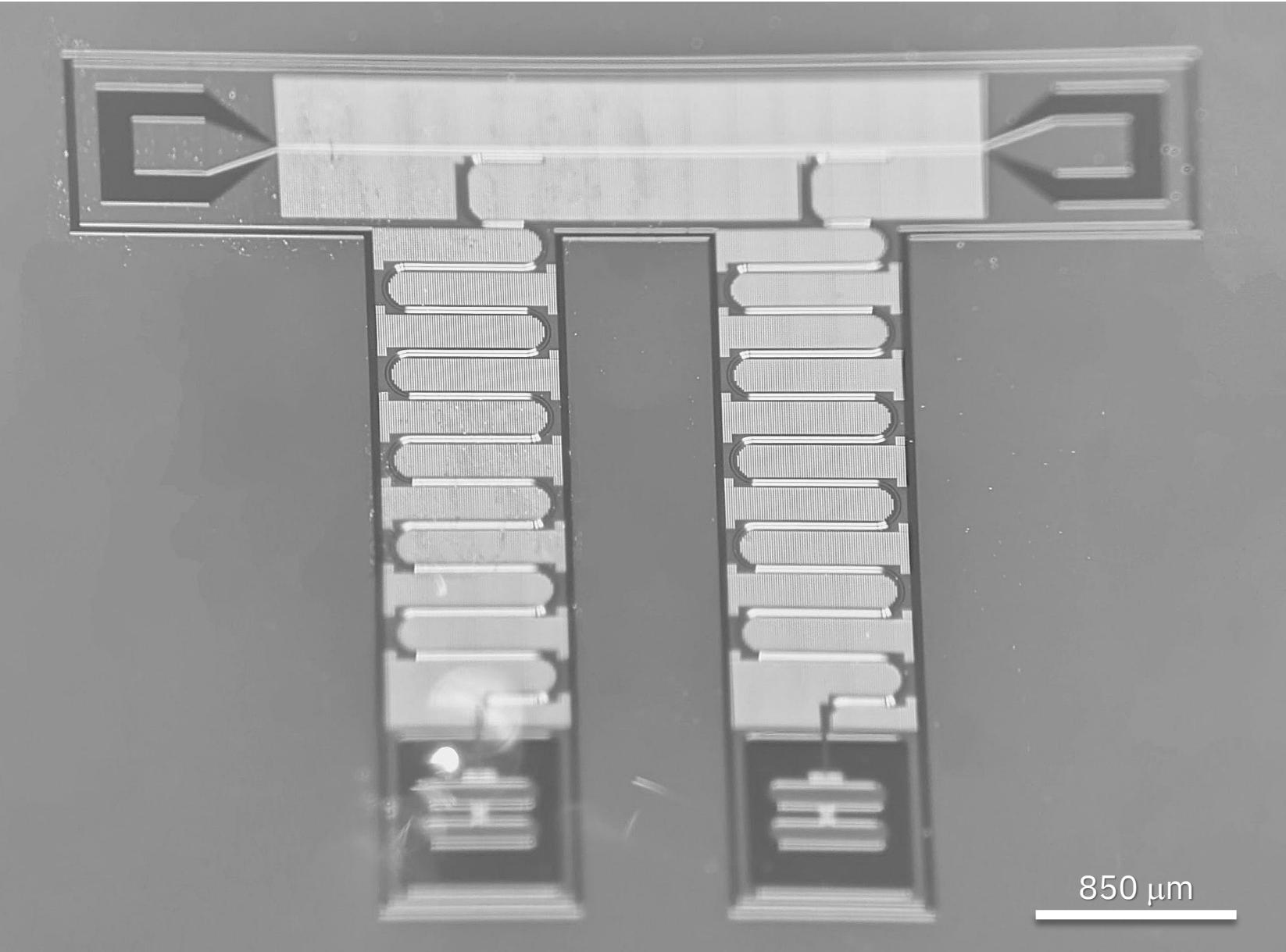


Béésh 'áłtsózí 'eiyá doolk'ool nahalin dóó 'ałts'ájí
ńdeeshgizh hólq. 'Áko, éí bi bá dahoo'jjgo.

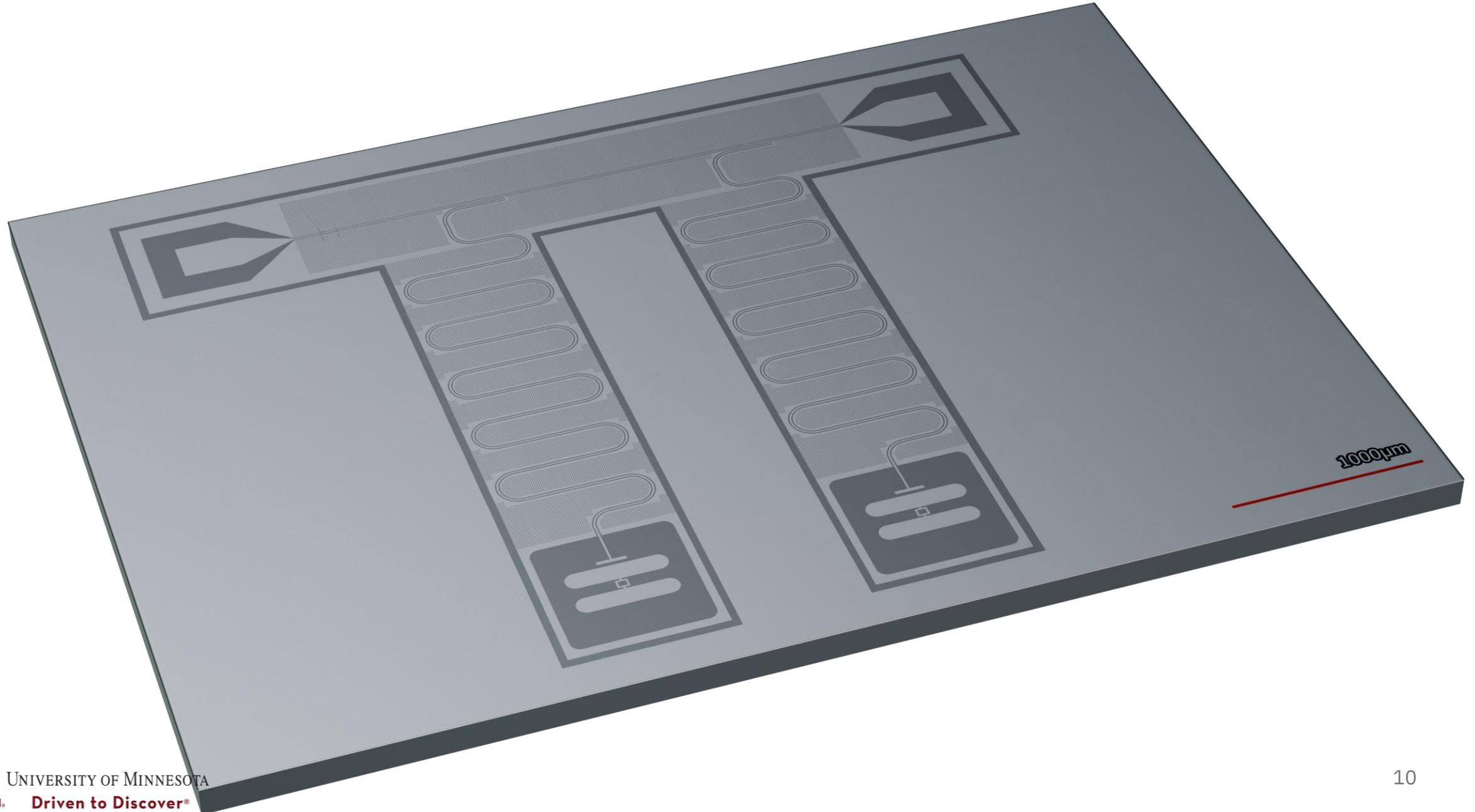
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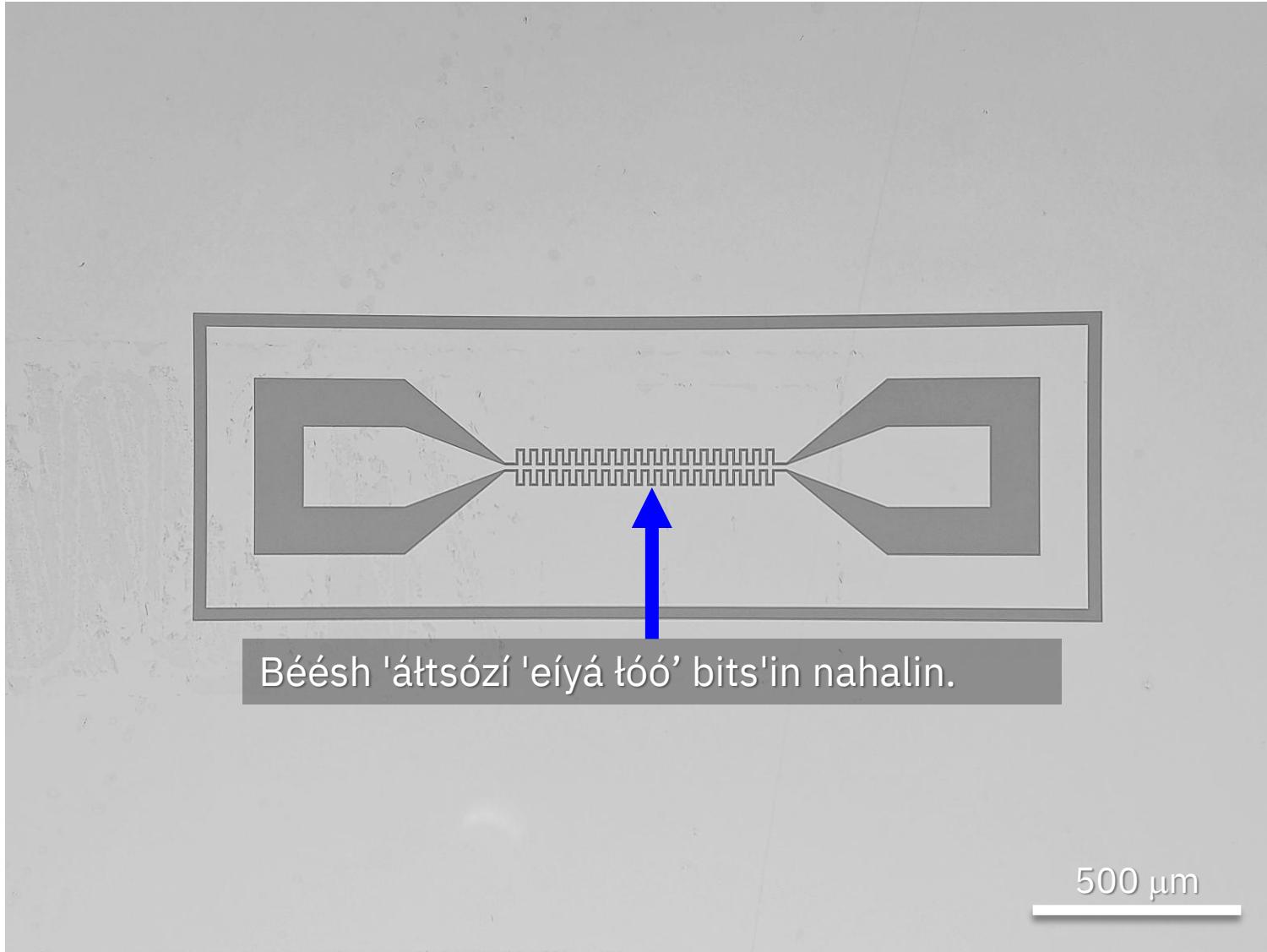
Béésh nitsékeesí bá 'áłtsózí bee naalnishii



Béésh nitsékeesí bá 'áłtsózí bee naalnishii



Béésh 'adiits'a'i bee jiłqahígíí bá 'áltsózí bee naalnishii



Béésh 'áltsózí 'eiyá tóó' bits'in nahalin.

500 μm

Minnesota Nano Center Acknowledgement

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