

**0.002°**

Angle tolerance

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**0.003<sub>mm</sub>**

Hole spacing accuracy

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**0.005<sub>mm</sub>**

Dimensional accuracy

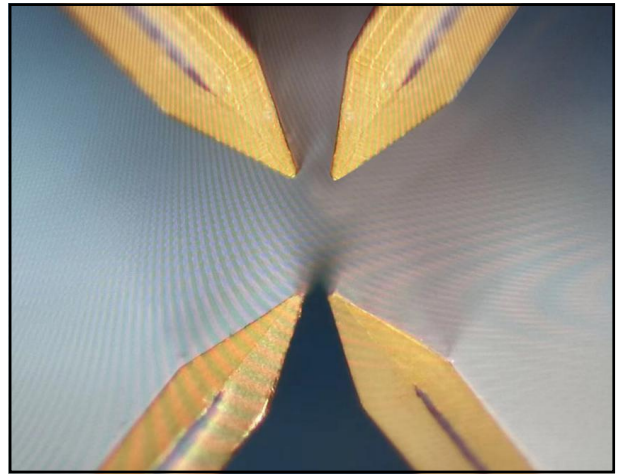
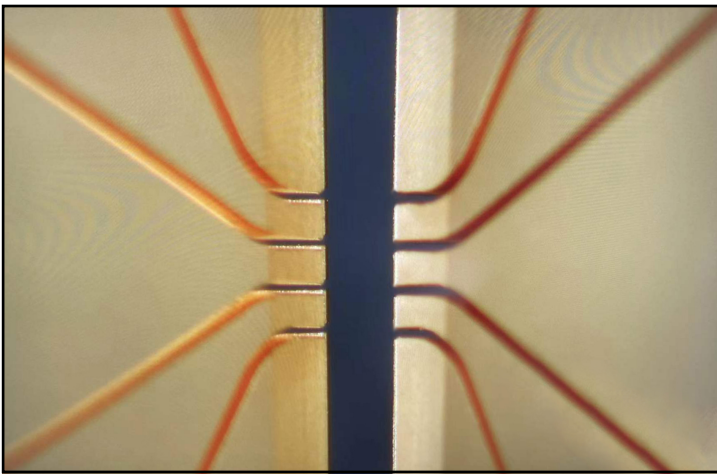
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## Detailed diagram of ion trap electrode installation

The image shows the key electrode arrangement and assembly structure of a microscale ion trap chip. Multilayer metal traces are formed using precise micro-fabrication techniques, ensuring electric field symmetry and stability at the nanometer level.

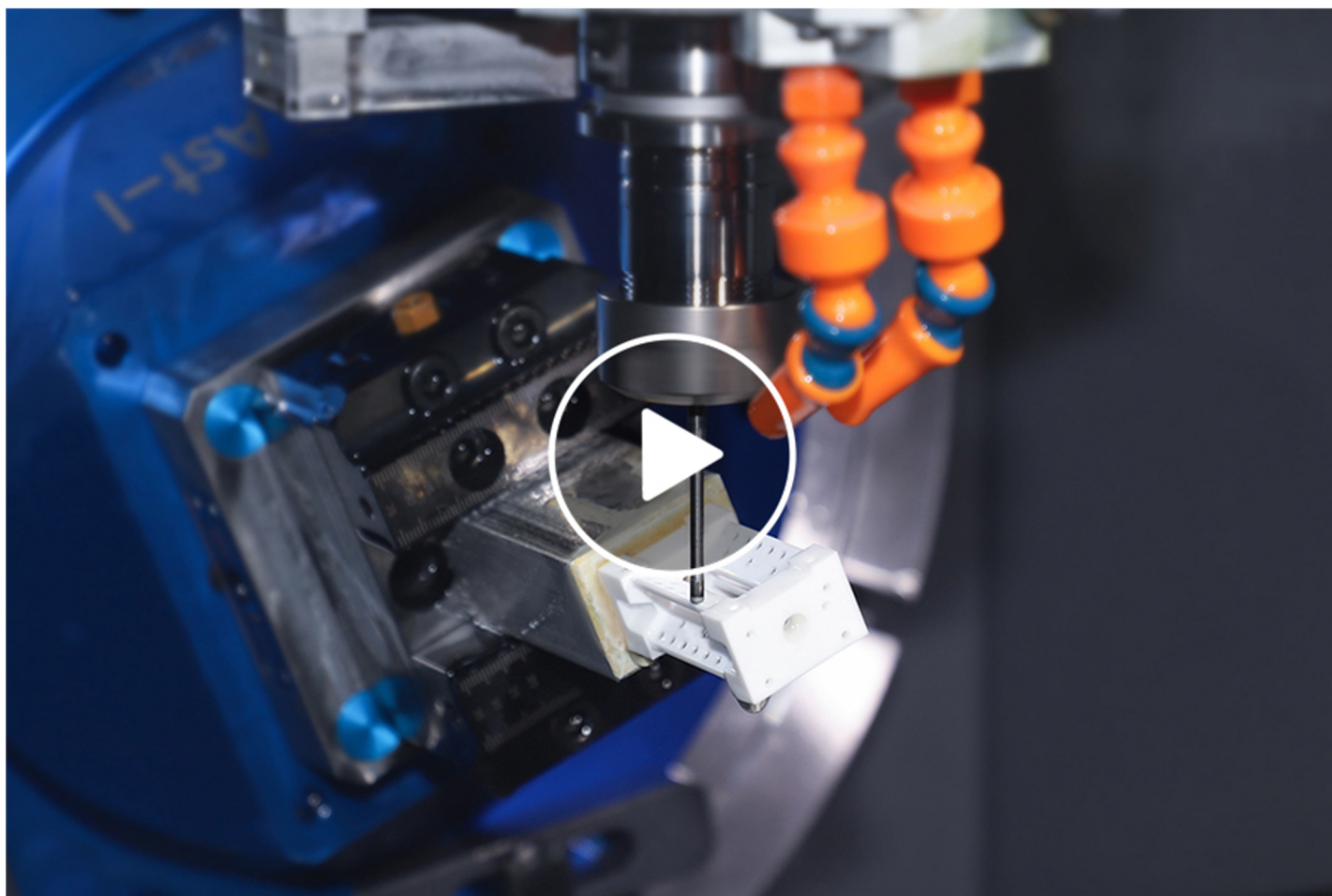
This structure is crucial for precise manipulation of quantum information, electric field uniformity, and control of trap depth.

We have provided high-precision ion trap brackets for key quantum laboratories around the world, including the National University of Singapore, University of Maryland, Duke University, and University of California.



Product Name	Ion Trap Ceramic Support
Material Requirements	Macor、Shapal
Dimensional Tolerance	0.005mm
Angular Tolerance	0.002°
Minimum Hole Diameter	0.1mm
Hole-to-Hole Accuracy	0.003mm
Appearance Inspection Criteria	No cracks or chipping allowed; edge chamfer R0.2
Machining Equipment	5-Axis High-speed precision milling center
Inspection Methods	CMM , optical projector, microscope inspection
Applicable Standards	ISO, GB, MIL, ASME and other relevant standards

**WATCH THE VIDEO!**



## CONTACT

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