

## Accepted Manuscript

Title: Development of a Compact 2-DOF Precision Piezoelectric Positioning platform based on inchworm principle

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### Highlights

- The inchworm motion and flexure hinges were used to a two degrees of freedom platform.
- Experiments and analysis show that the platform could achieve linear and rotary motion with high precision.
- The driving voltage and frequency could influence the performance of the piezoelectric platform.

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