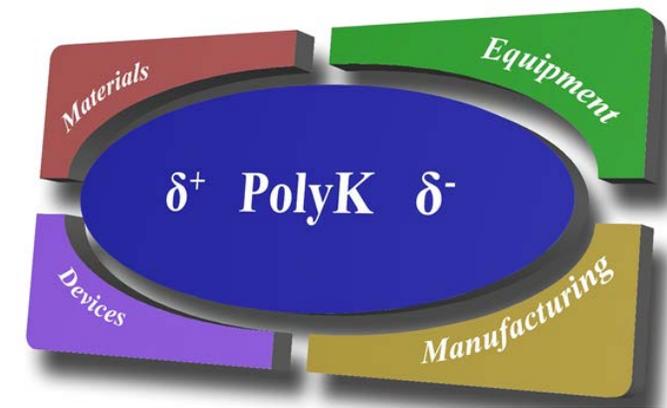
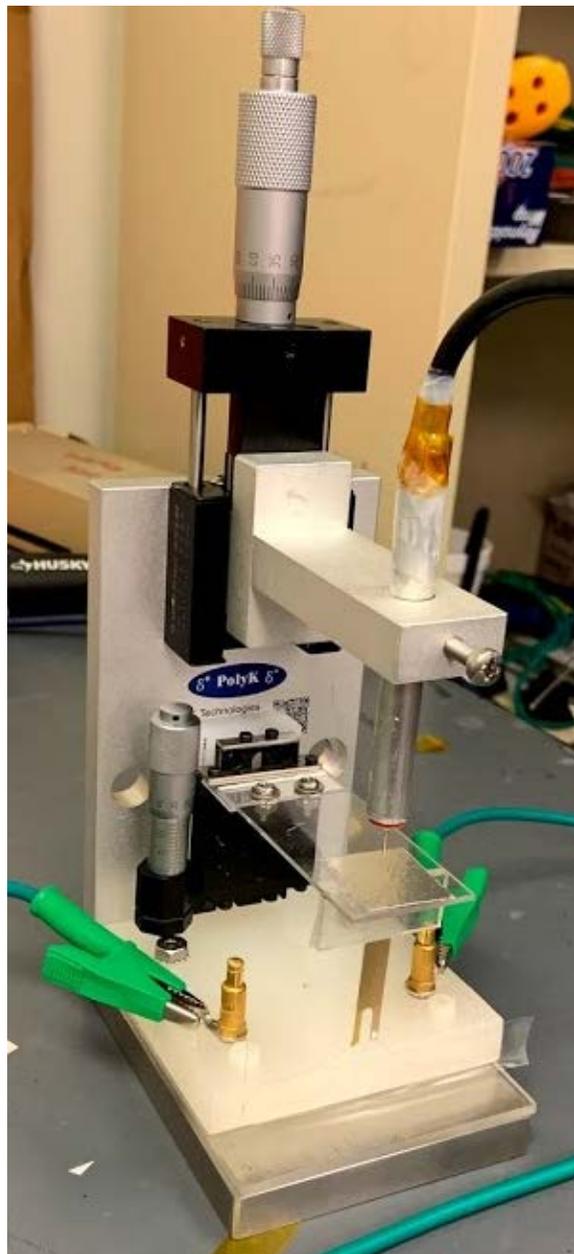


# PolyK Transverse Strain Measurement System

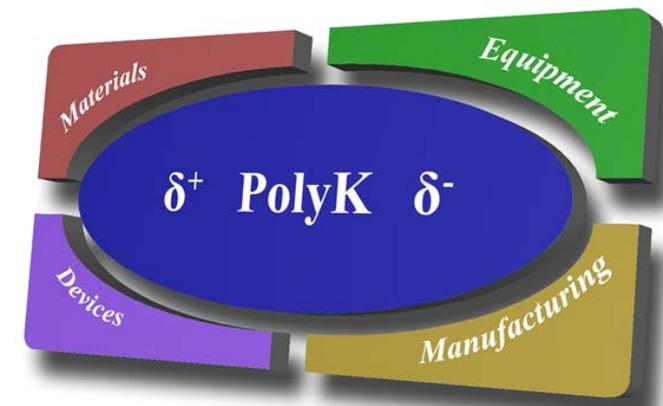
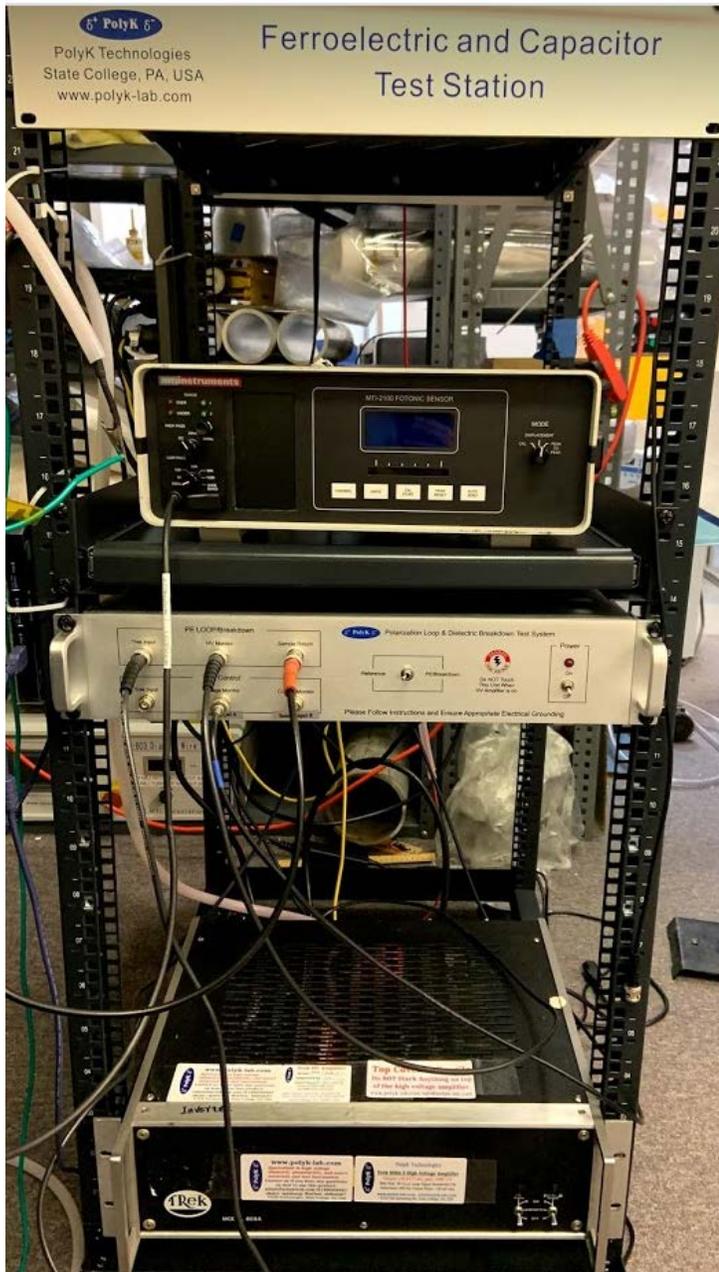
PolyK Technologies

[www.piezopvdf.com](http://www.piezopvdf.com)



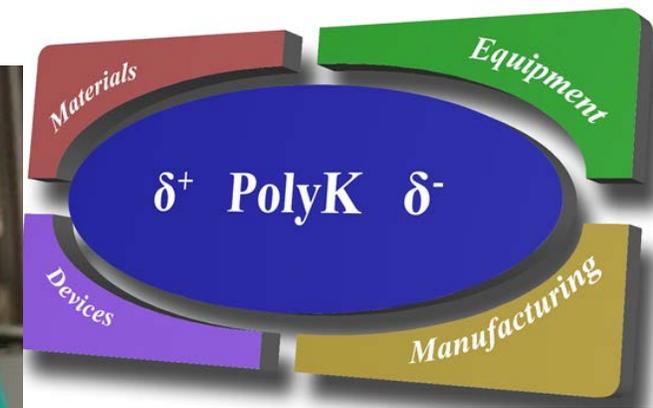
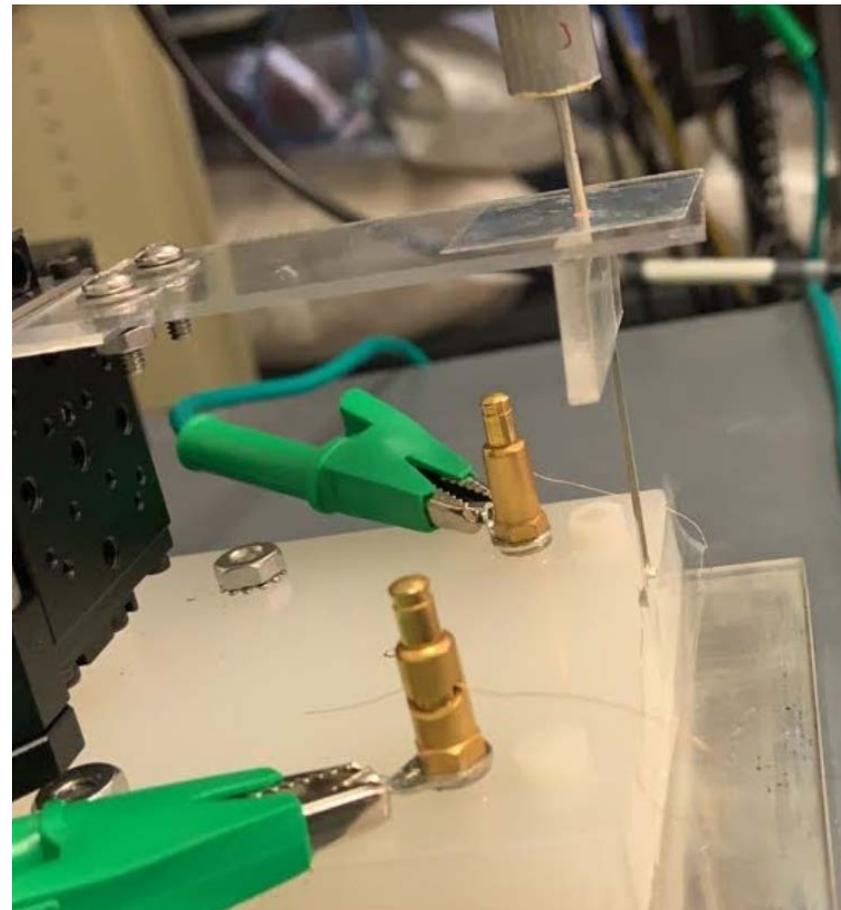
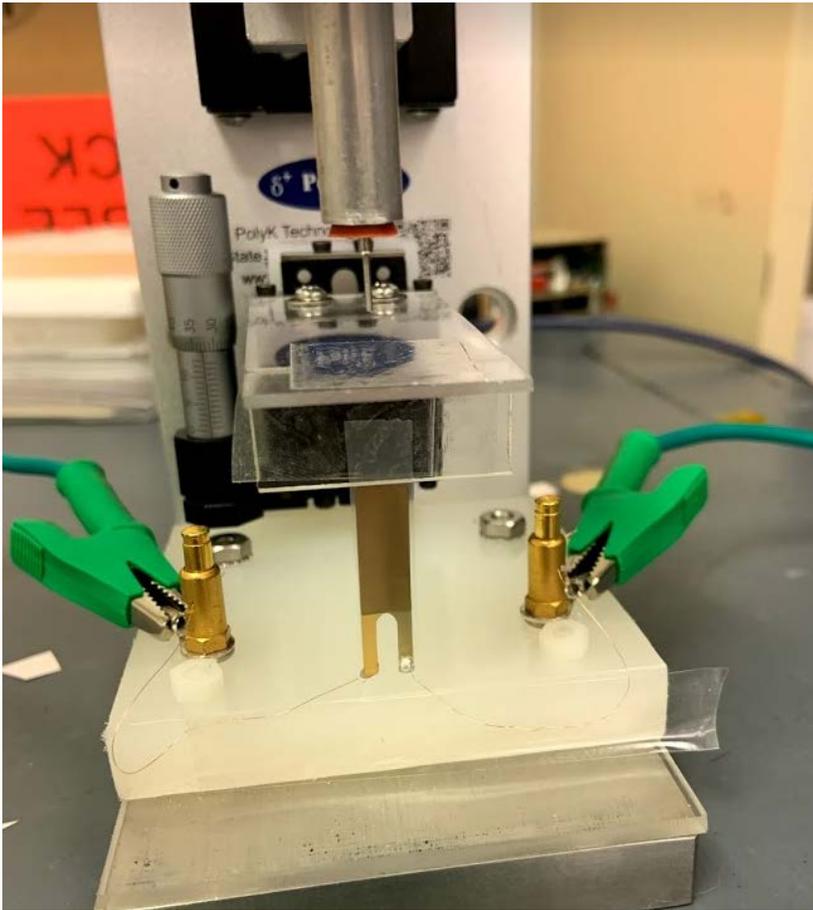
## Transverse strain measurement fixture:

1. Top micrometer to adjust the position of fonic sensor probe.
2. Bottom micrometer to apply tension on measured sample.
3. Click-lock mechanism for easy installation of sample.
4. Changeable plastic beam with different stiffness.



## Comprehensive strain measurement platform

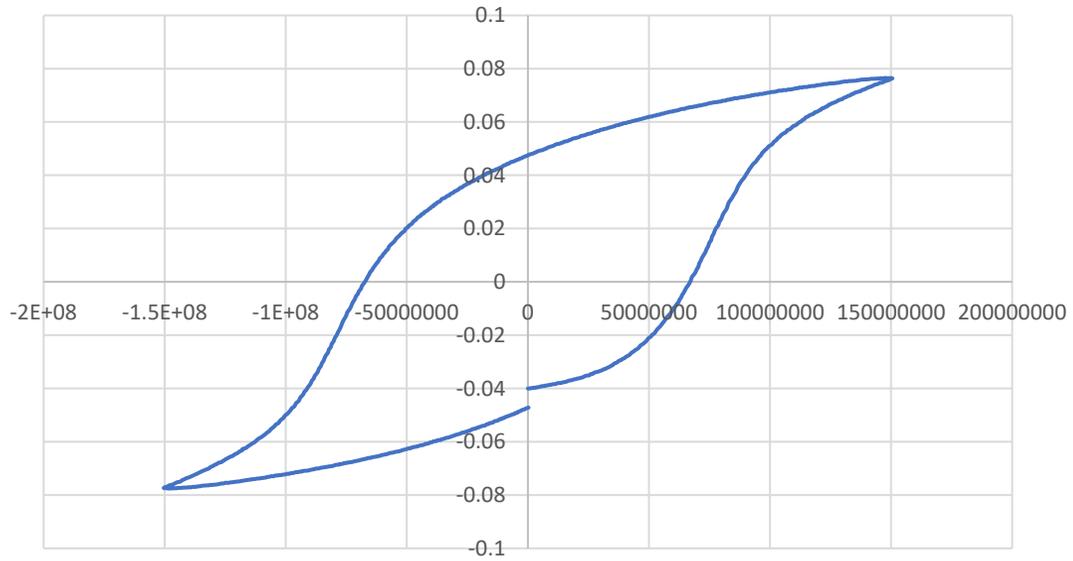
1. MTI fonic sensor with resolution as high as 0.5  $\mu\text{m}/\text{V}$ .
2. PolyK ferroelectric/dielectric controller allowing In-situ measurement of charge, strain, electric field.
3. Trek high voltage amplifier with large signal band width.
4. Comprehensive PolyK analysis software



## Sample installation

1. Use double-side tape to bond film sample to fixture (one end to transparent plastic beam, the other end to white plastic base).
2. Lock the wires using the Click-Lock pins.
3. Connect cables to Click-Lock pins.

Field-charge



Field-strain

