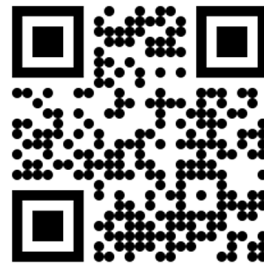


NANOSEN

Polymer Force Sensors



NanoSen is a spin-off from the Chemnitz University of Technology in Germany and is enabling the creation of high-performance polymer nanocomposite force sensors. Our main product is a thin conductive and highly flexible material with a thickness of only 0.4mm, which is used to create a new quality of force sensors for various applications.

Key performance indicators represent an extended force range compared to conventional technologies with improved usage and processing characteristics.

Our manufacturing process enables production of nanocomposite force sensors for applications that have otherwise not been possible due to limited availability and excessive costs.



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ESF
Europäischer Sozialfonds



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Gefördert durch:



Bundesministerium für Wirtschaft und Klimaschutz
EXIST
Existenzgründungen aus der Wissenschaft

aufgrund eines Beschlusses des Deutschen Bundestages

Performance Indicators

Sensor Structure

Product Portfolio



Wide Sensing Range



Robust & Durable



Highly Flexible



Cost-effective



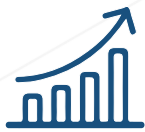
Temperature Resistant



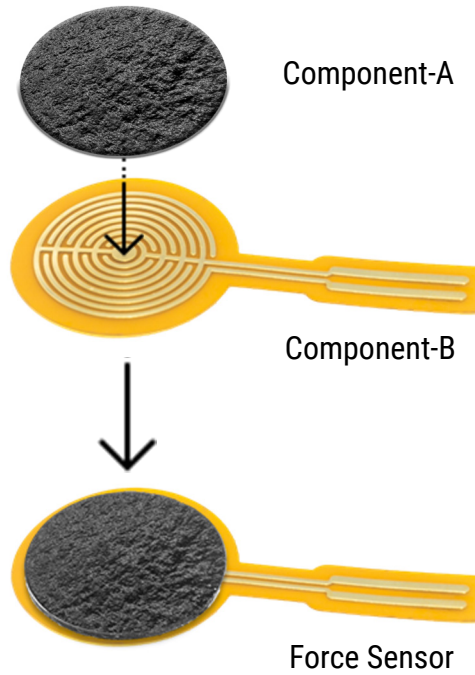
Simplified Construction



Low Power Consumption



Scalable Production

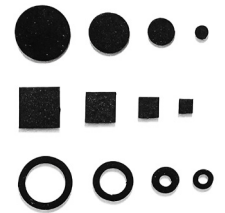


A: Force Sensor Material

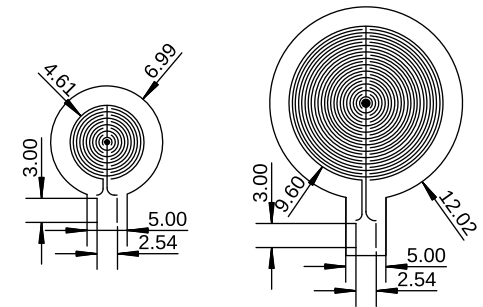
B: Application Specific Electrode

Sensor can be freely designed in terms of shape, layout and electrode substrate.

Force Sensor Material



Sensor Design Services



Readout Electronics

