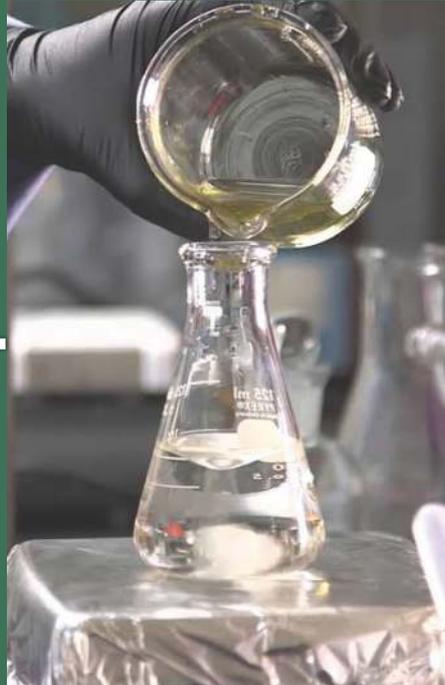


Printing



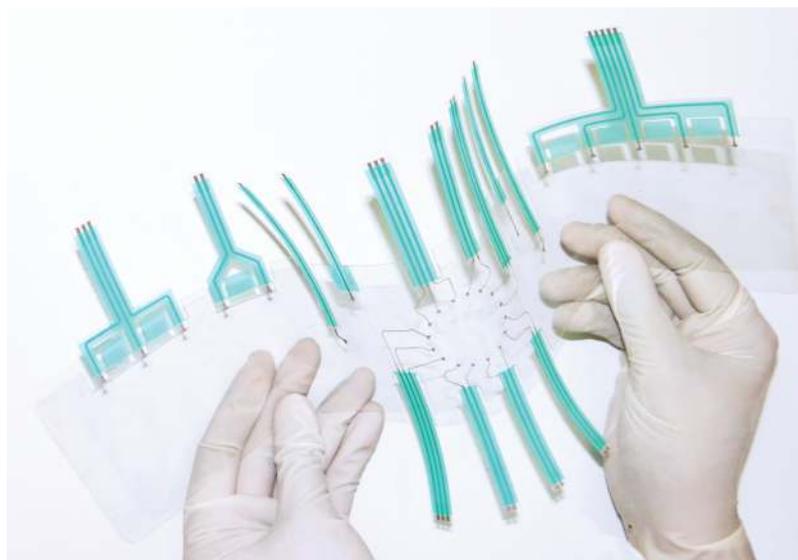
Electronics Material



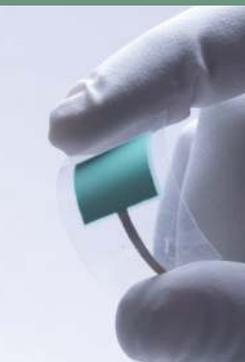
Electronics



Printed Electronics

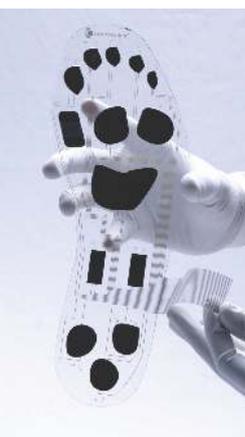


Advance Input Devices, Functional Printed Electronics
& Touch Electrical Switches



Printed Touch Sensor

- ◆ Principle: Capacitive type
- ◆ Thin and flexible
- ◆ High sensitivity
- ◆ Integrating in packaging and circuitry
- ◆ Cost effective



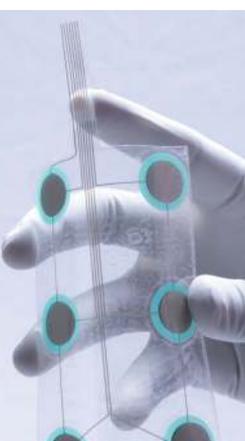
Pressurized FSR – Shoe Inlay

- ◆ Principle: Change in pressure occurs change in resistance
- ◆ Range : 2 k Ohms – 550 k Ohms (With respect to area)
- ◆ Compatible Insole
- ◆ High sensitivity
- ◆ Symmetrical & Non Symmetrical sensor shape
- ◆ Fully flexible and bendable
- ◆ Cost effective
- ◆ Applications: Gait analysis, Ulcer prevention



Pressurized Capacitive Shoe Inlay

- ◆ Principle: Change in pressure occurs change in Capacitance
- ◆ Symmetrical & Non-symmetrical sensor shape
- ◆ Very high sensitivity
- ◆ Range : 100 – 400 pF (With respect to area)
- ◆ Fully flexible and bendable
- ◆ Cost effective
- ◆ Applications: Gait movements, automotive applications, Biometric analysis.



Force Sensitive Capacitor

- ◆ Principle: Change in weight occurs change in dielectric thickness
- ◆ Thin and flexible
- ◆ Easy fabrication
- ◆ High Sensitivity
- ◆ Integrating in packaging and circuitry
- ◆ Cost effective
- ◆ Applications: Rotten egg detection, Sports applications

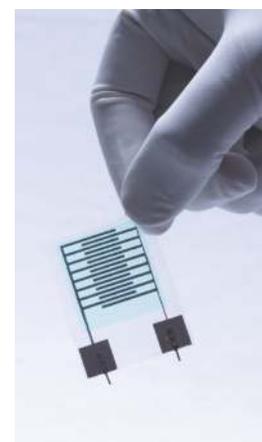


Electroluminescent Display

- ◆ Thin & flexible - bendable
- ◆ Compatible Design
- ◆ Principle: Change in voltage occurs change in intensity of light
- ◆ Very less heat at high supply input (Vac)
- ◆ Applications: Bill boards, Advertising high end products, Interior designs and wearables.

Humidity Sensor

- ◆ Principle : Change in humidity occurs change in capacitance
- ◆ Very high sensitivity
- ◆ Organic material based sensor
- ◆ Integrating in packaging and circuitry
- ◆ Cost effective
- ◆ Applications: Humidity monitoring in lab environment, Soil testing and logistics



Printed Heater

- ◆ Principle : Inducing magnetic flux with respect to voltage (AC/DC)
- ◆ Flexible
- ◆ Temperature range : <120 °C
- ◆ Consume little power
- ◆ Cost effective and easy fabrication
- ◆ Applications : Automotive applications, Hotels, Water heating, and Floor mat etc.,



Flexible Circuitry

- ◆ Flexible circuitry on flexible substrates and glass
- ◆ Good conductivity
- ◆ Good Adhesion
- ◆ Integrating with portable devices
- ◆ Cost effective

