

Three Axial Tactile Sensor & Microfluidic Magnetic Sorter

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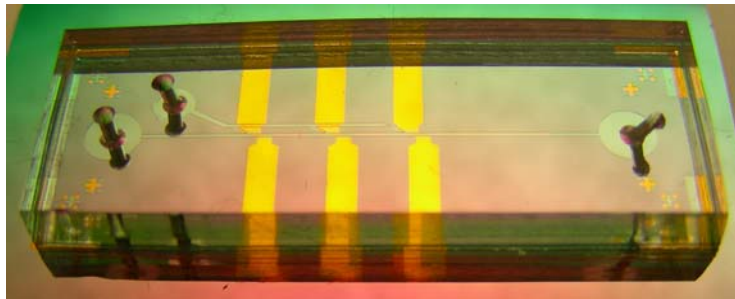
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● Three Axial Tactile Sensor

- ◆ Flexible 3-axis Tactile sensor for robot applications
- ◆ 8 x 8 capacitive unit sensor array

● Programmable Magnetic Sorter

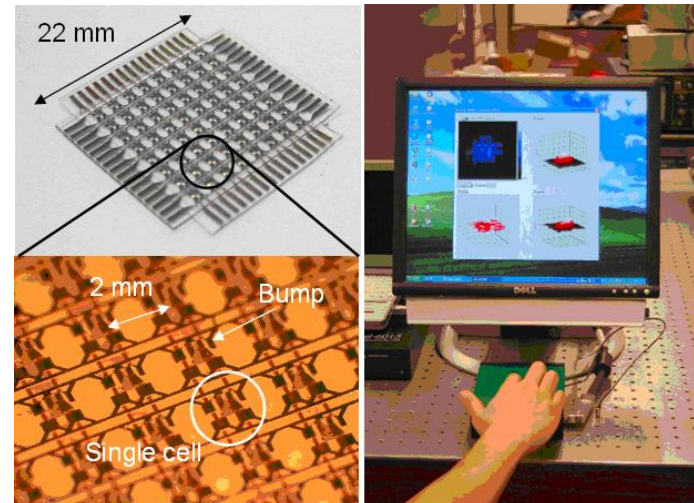
- ◆ Magnetic beads separation by size
- ◆ Programmable sorting: Bead-separation can be controlled through adjustment of the applied current



Magnetic Sorter

● MAJOR OBSERVATIONS

- ◆ Tactile Sensor
 - Three axial components were successfully separated and measured
- ◆ Magnetic Sorter
 - Three different sized magnetic beads were successfully separated



Three Axial Tactile Sensor

● Publications

- ◆ IEEE MEMS conference, p.623, 2007 (Tactile Sensor)
- ◆ Not submitted yet (Magnetic Sorter)