

**Magic Silicone** is one of our **5 US and 100+ internationally patented** technologies, which is a dark colored silicone in appearance. Any **force or pressure** stimuli on it causes a **color change** proportionally regarding the magnitude of the force applied. Thus, the **force map** on the silicone surface can be evaluated according to the **color intensity**. With a **camera**, (with or without) **fiberoptic cables** and a **computation unit** located at the opposing side, the **force map** can be converted into **digital data** by image processing.

As the **Magic Silicone** is like a **touchpad** itself, it also gives the touch data if you add a **flexible layer on top**. This layer can be **any flexible object** like **artificial leather, fabric** or even a **paper**. The remaining is up to your imagination. The regular looking **arm rest** of your coach can **control your TV** as a **remote control** or control your **computer** as a **mouse**. Wouldn't it be great if you could **open the windows** of your **car** or **control the multimedia system** just **touching or sliding** your **fingers** on the **leather** of your armrest? **Magic Silicone makes these happen!**



#### TECHNICAL SPECIFICATIONS

SPATIAL RESOLUTION:

**1066/CM<sup>2</sup>**

AREA: **37.5 CM<sup>2</sup>**

**(50 MM \* 75 MM)**

FORCE MEASUREMENT

RESOLUTION: **<0.1 N**

IMMUNE TO FLUIDS: **YES**

FLEXIBLE: **HIGHLY FLEXIBLE**

*You can convert any flexible object like artificial leather, fabric or even paper to a touchpad or control surface.*

*are you ready to feel Better?*  **sensobright**





Sensobright Industries LLC. is a technology-oriented small business company which owns over 100 International patents about tactile sensor field with an innovative concept and aim to advance it, translate it into a next generation scientific product and a technology for commercialization.

Prof. Dr. Utku Buyuksahin has teamed up with Inventram and KOC HOLDING (A Global Fortune 500 Company) to ramp up commercialization and develop tactile sensor technologies. Sensobright Industries LLC's (A Delaware Company) Istanbul (Turkey) Branch and Portland (Oregon, USA) Headquarters are formed in 2018 and 2020 to develop tactile sensors and production technology of the system. The team is formed of 8, which includes 5 engineers, 1 financier, 1 technician and 1 CTO Assistant. The team owns 2 PhDs, 2 MBAs, 3 BSs degrees.

Sensobright Industries LLC has made over \$5M investment in 2020 – 2022 and is still continuing to invest in despite of the COVID-19 crisis.

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## SENSOBRIGHT MAGIC SILICONE

NASA Engineers defined the technology as "Certainly a Worthwhile Achievement" in a report about our technology.

Sensobright has been selected among top 10 sensor providers by Applied Technology Review Magazine and honored to be the cover story of the June 2022 issue.

In 2019, as the inventor of Sensobright's technology, Prof. Dr. Utku Buyuksahin has been selected as one of the top 25 scientists across the globe by Falling Walls Foundation, which has President of Nobel Foundation among its board members.

Sensobright's 2 Technologies have been selected to TechConnect World Innovation Challenge, and we took our place among the booths of NASA, DARPA, NSF, NIH and World's leading high tech companies.



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