

Humans feel touch best at their fingertips through 241 receptors per square centimeter. Former technologies could only provide tactile data with a resolution in the order of tens. Leveraging our 100+ internationally granted patents, technologies and game changing products, we can efficiently scale the number of receptors beyond human capabilities to the order of thousands at low cost. In addition to intelligent sense of touch across eight dimensions including temperature, force, pressure, shear, and even pain, our system can sense proximity without physical contact, and can display high-resolution images and videos.

Our cutting-edge tactile sensing technology can also process tens of millions of individual receptors simultaneously, offering unprecedented sensitivity and resolution, and setting it apart from existing systems such as smartphones and touchpads which can process only 2 touch points at a time. Through this system we can transfer over ten million sensor data to a computer through only a single USB cable.

This technology truly has the potential to revolutionize reality as the way we currently experience. By creating robots that are more like humans, turning any surface into a touchscreen, improving safety in autonomous vehicles, providing tactile feedback to surgical robots to improve health outcomes, and giving opportunity to build prosthetics as if they were real limbs, we are constantly pushing the boundaries of what is possible. In a report about our technology, NASA Engineers described it as "Certainly a Worthwhile Achievement", a great honor that motivates us to continue innovating and contributing to a better future.

The potential sectors include Robotics, Automotive, Surgical Robotics, Medical Devices, Autonomous Vehicles, Security & Defense, Avionics, Space Exploration, Automation, COBOTs, Prosthetics, and countless others.

TECHNICAL SPECIFICATIONS

SPATIAL RESOLUTION:
317/CM² (400/FINGERTIP)

AREA: 1.26 CM²

FORCE MEASUREMENT
RESOLUTION: <0.01 N

IMMUNE TO FLUIDS: YES

FLEXIBLE: HIGHLY FLEXIBLE

*are you
ready to
feel Better?*



Sensobright Industries is an innovation driven technology company with over 145 international granted patents in the tactile sensor field. With extensive engineering and manufacturing capabilities, the company is dedicated to advancing and translating its novel concepts into next-generation products and technologies for commercialization.

Prof. Dr. Utku Buyuksahin has teamed with KOC HOLDING, a Global Fortune 500 Company, to develop and commercialize tactile sensor technology. Sensobright Industries, a Delaware Company, was established in 2018 with the goal of developing tactile sensors and their production technology.

Comprising three PhDs, one MBA and six Bachelor of Science degrees, as well as accomplished professors and veterans, the Sensobright team collectively possesses over 170 years of professional experience.

Sensobright is fully equipped to handle every aspect of the process, including engineering, manufacturing, and after-sales support by leveraging the in-house assets.

During the COVID-19 crisis, Sensobright invested more than \$5M in new technologies and infrastructure and is continuing to invest.



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The TEAM has
a TOTAL of 170+
YEARS of EXPERIENCE

145+ PATENTS
GRANTED

SENSOBRIGHT TACTILE SENSOR

*it can sense the thread...
even its bending curve*

*And can sense
delicate fruits
without harming them*

