

PPS UK Limited (PPS) designs and develops innovative tactile sensing solutions that push the boundaries of tactile sensing technology. PPS's mission is to leverage and enhance capacitive tactile sensing technology to develop innovative, meaningful products that harness the sense of touch for medical devices, robotics, ergonomics, automotive applications, and industrial and consumer products.



Tactile Sensor Experts

Our patented tactile sensors capture pressure mapping data by measuring capacitance with superior sensitivity, stability, and repeatability than resistive sensors. Over the past two decades, PPS sensor technology delivered valuable insights to many applications that involved contact pressures and pressure mapping in areas of product design, process optimization and research and development.

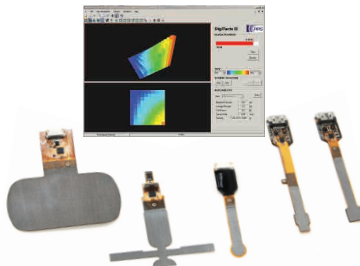
Integrating PPS tactile sensors empowers engineers and researchers to capture "the sense of touch" and create more innovative products.

Our Technology

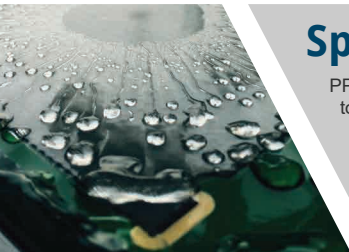
SingleTact - Ultra-thin capacitive miniature force sensor

DigiTacts - highest performance embedded sensing technology comprised of multiplexed sensing pads

TactArray - Flexible pressure sensing pad designed to capture contact pressure distribution

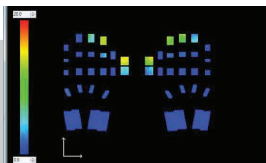
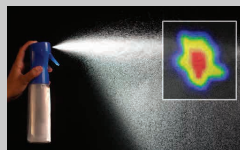


Increasing Cost and Complexity



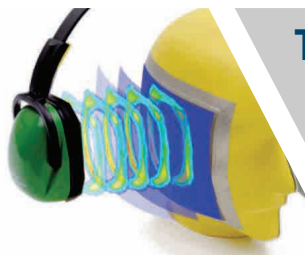
Spray Characterisation

PPS offers both Spray Pressure and Spray Pattern Sensors to allow real-time feedback of spray applications from fine mists to pressure jets. The Spray Pressure Sensor is ideal for quantifying and visualizing impact pressures of spray particles onto a surface, while the Spray Pattern Sensor is ideal for analyzing the distribution pattern of such sprays.



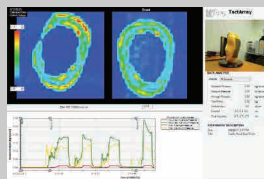
TactileGlove

Wireless and battery powered, the TactileGlove is the only pressure measurement glove on the market that allows natural and accurate measurement of pressures applied to or exerted by the hand, making it ideal for use in product design or ergonomics assessment. High-resolution pressure sensors distributed across the hand, fingers, and palm can detect objects as light as 0.1 oz (3g).



TactileHead

For headset, eyewear, or hearing protection manufacturers who seek to balance comfort and performance, the TactileHead is a customizable pressure measurement and mapping system for quantifying pressures exerted on the head by a product. The head width of the system can be easily adjusted to allow capture of pressure data for specific populations.



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