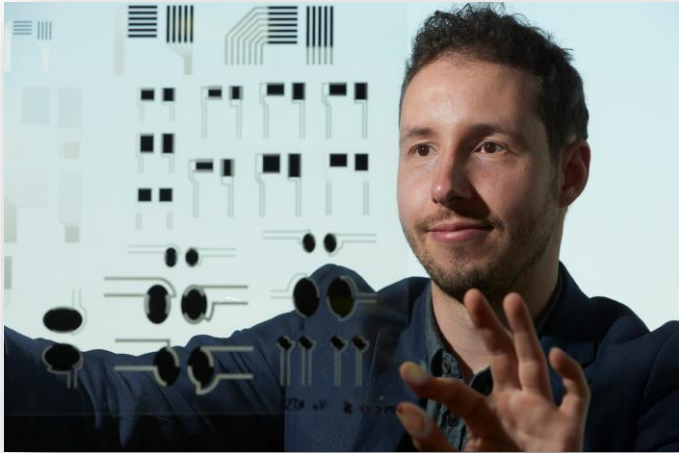


Touchlab Limited



TOUCLAB

 <https://www.touchlab.io/>



Challenges / Problems

- (1) Robots do not have a human-like sense of touch. As such, their applicability is limited, especially when working on more challenging, dexterous tasks.
- (2) Pressure ulcers cost healthcare systems an average of \$100m-\$1bn+ per country.

Proposed solutions

- (1) A fully integrated tactile sensor fingertip to enable advanced manipulation and detect slip.
- (2) A matrix array sensor fabric for monitoring pressure ulcers and alerting nurses.

Competitive advantages:

- Highest sensor coverage (>93%) and array density (>40 sensing regions).
- Calibrated on the individual cell and whole fingertip level to a 25N+ range.
- Our offering is cheapest at scale, and non-bulky - to seamlessly integrate.

Looking for collaboration / partnership with:

- Robotics: particularly humanoid robotics, automation, automotive, pick-and-place.
- Healthcare: including those interested in licensing deals.
- Distributors: who can evaluate Japanese market demand of novel products.

Future business plan:

- Scale up product offerings from the 10's to 1000's of units.
- Increased traction within the Japanese market. Where successful, we would look to set up presence via a Japanese hub to better service customers.

SCOTLAND
Edinburgh

2018
Founded Year

A
Funding Stage

12
Employees

INVEST  JAPAN

J-BR!DGE

 **HackOsaka**
2nd. Edition