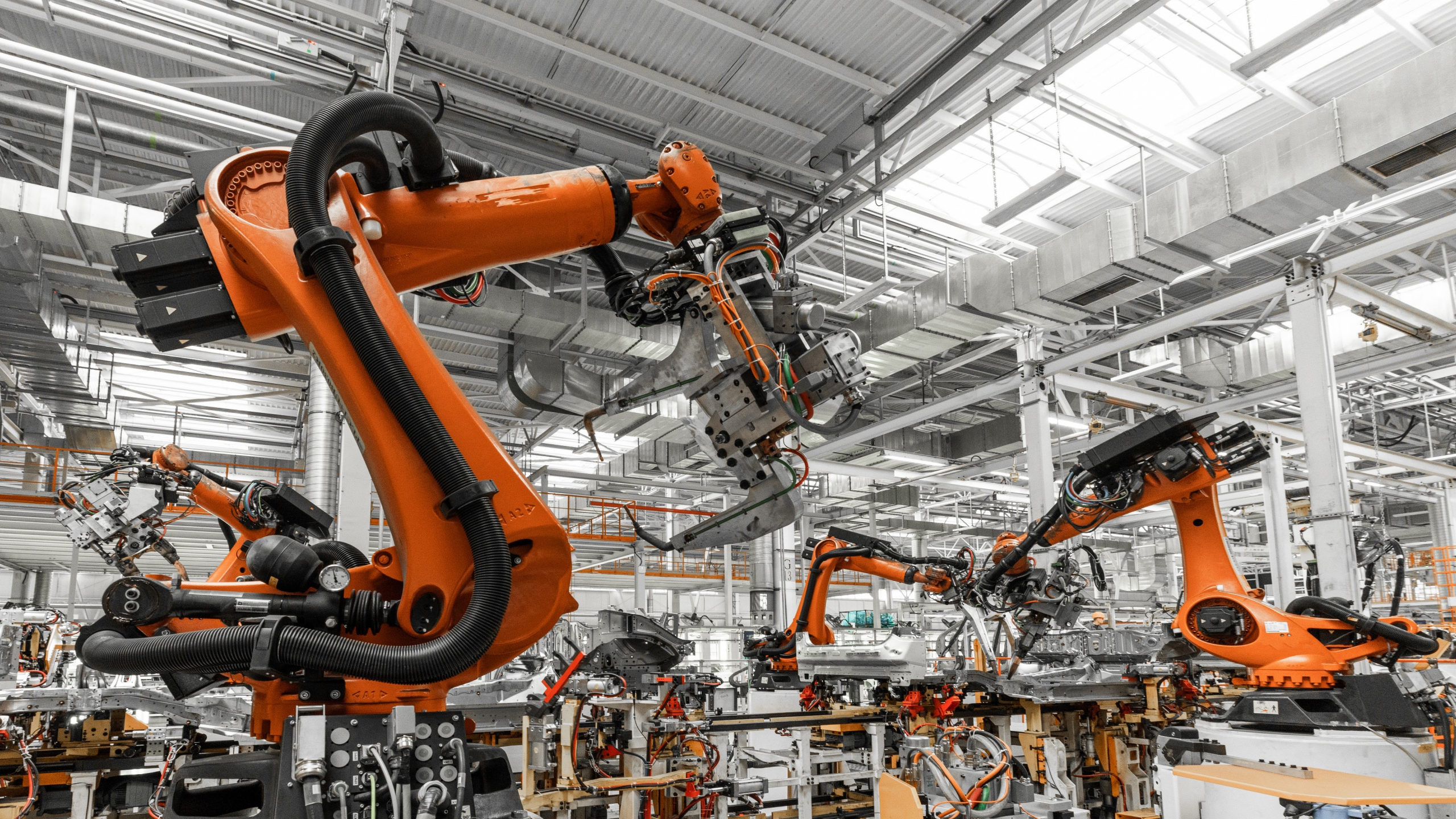




We make Robots feel

Contact: mail@poweron.one | Website: poweron.one

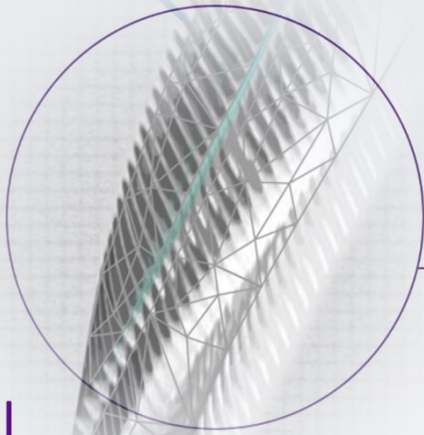




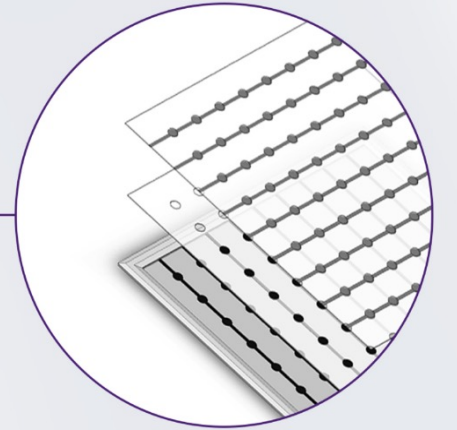


Tearing down the barriers between humans and robots!

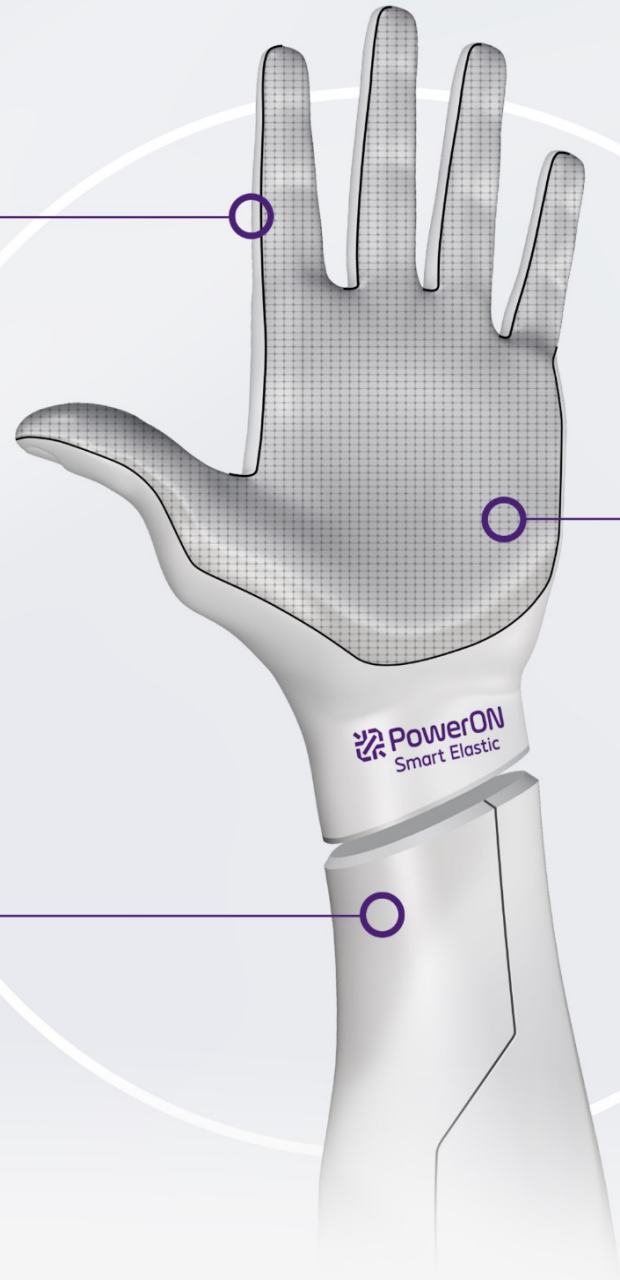
ARTIFICIAL
MUSCLES



TACTILE
SENSATION



BIONIC
MUSCLE
CONTROL

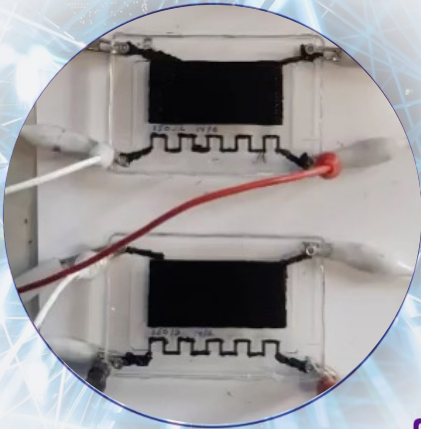
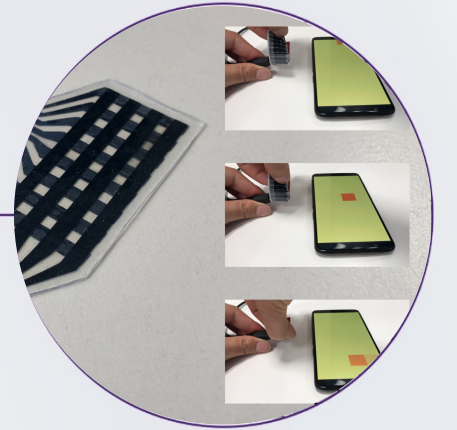




ARTIFICIAL
MUSCLES



TACTILE
SENSATION

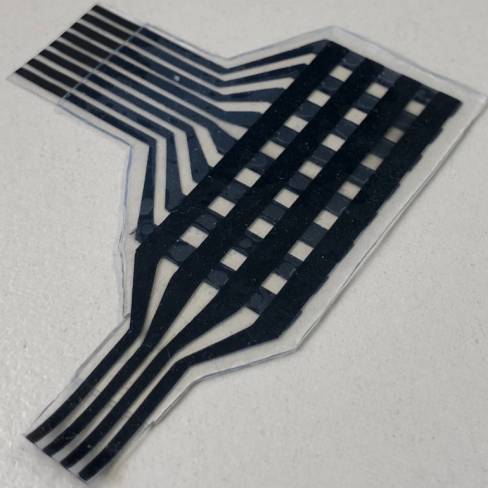


BIONIC
MUSCLE
CONTROL

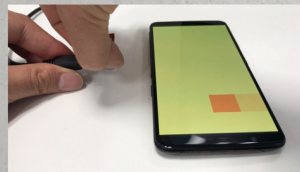


Introducing: TouchDetect

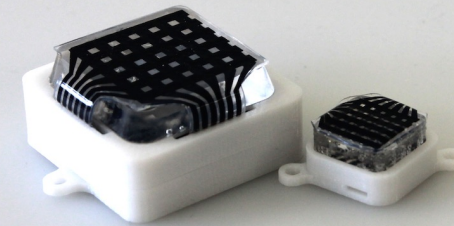
 **PowerON**
Smart Elastic




TouchDetect - Soft, flexible tactile arrays



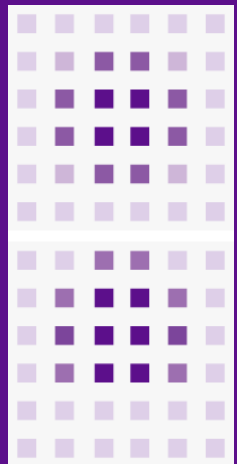
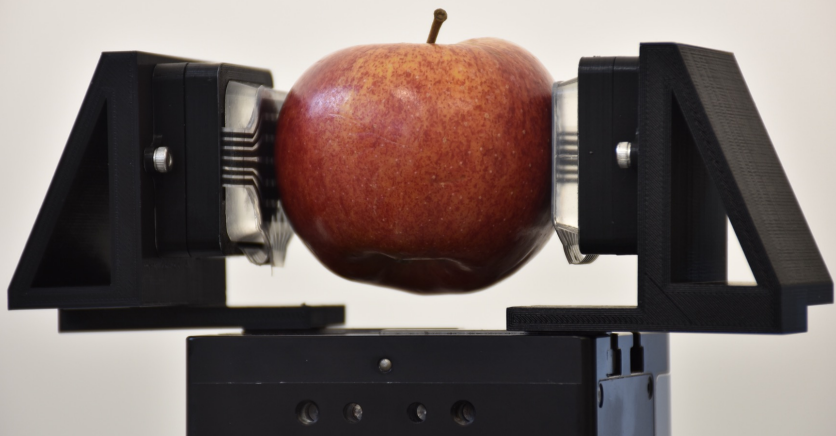
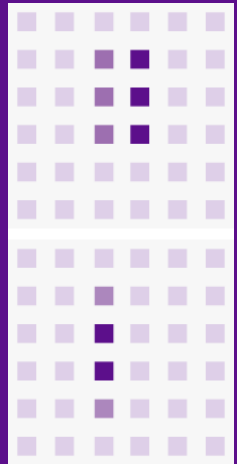
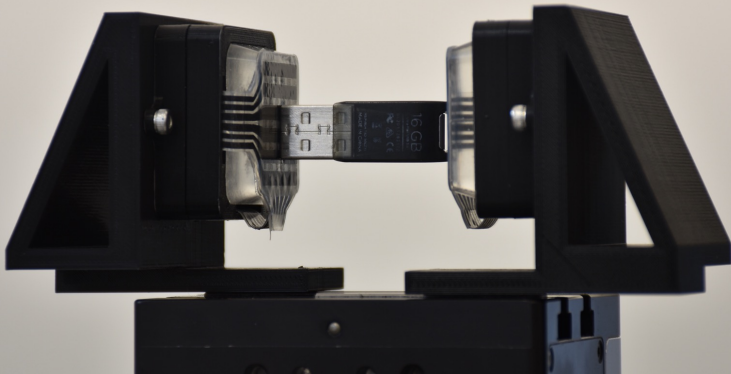
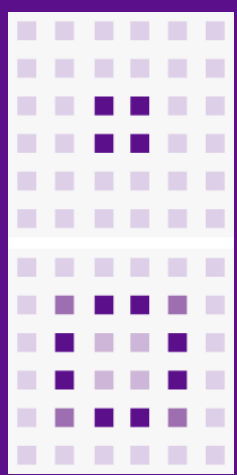
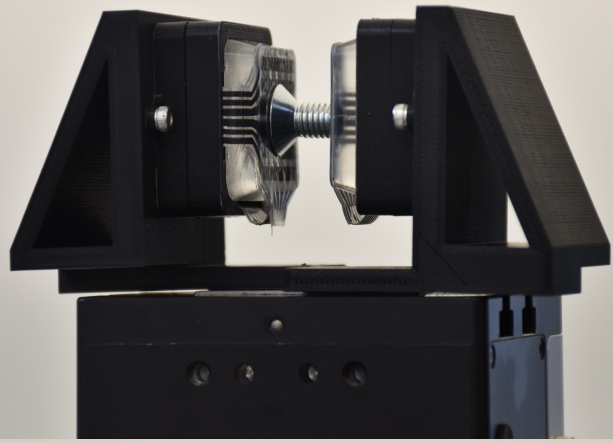
 **PowerON**
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Bluetooth BLE

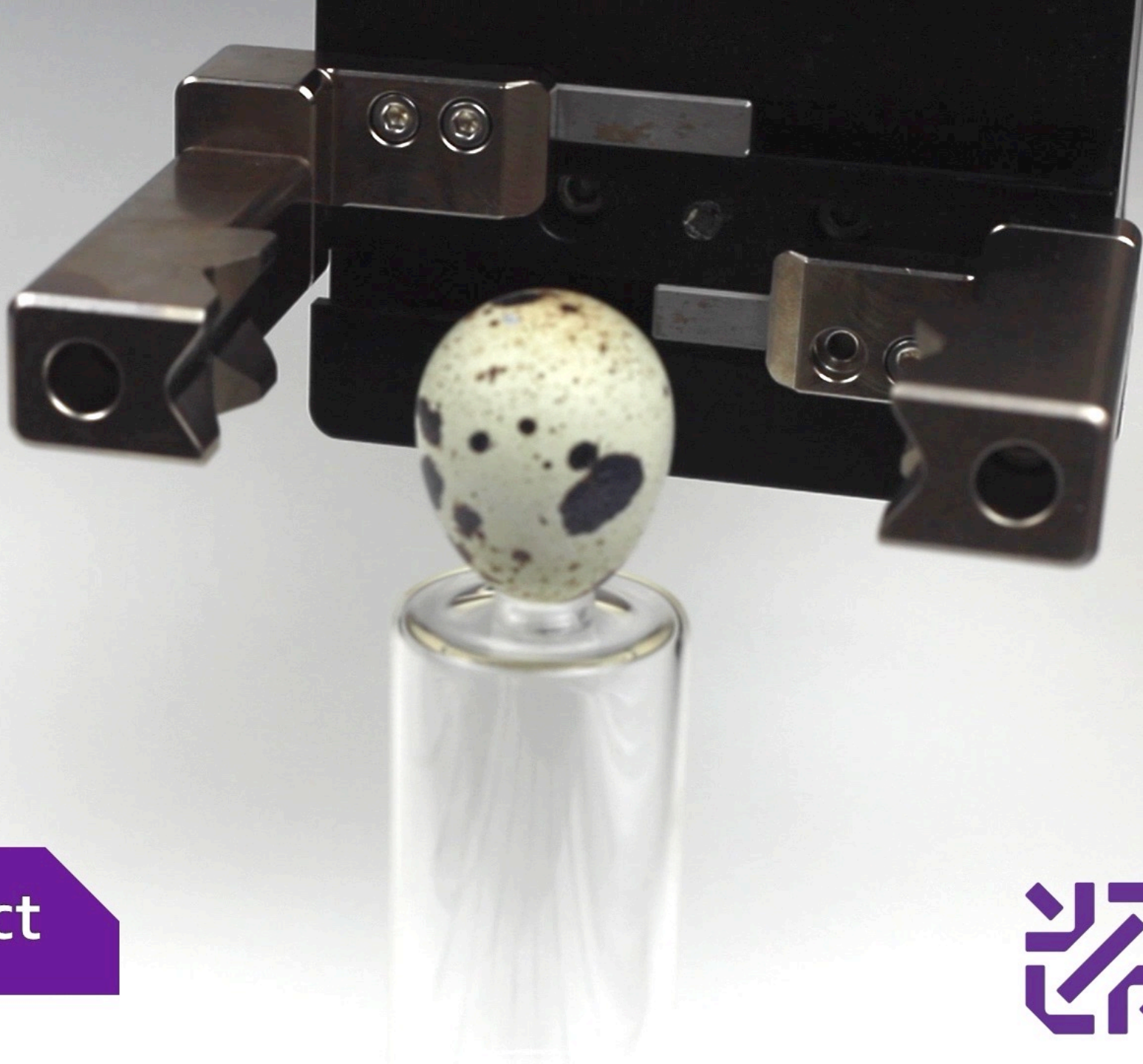

CAN bus


TouchDetect - Standard arrays for industrial and wearable applications



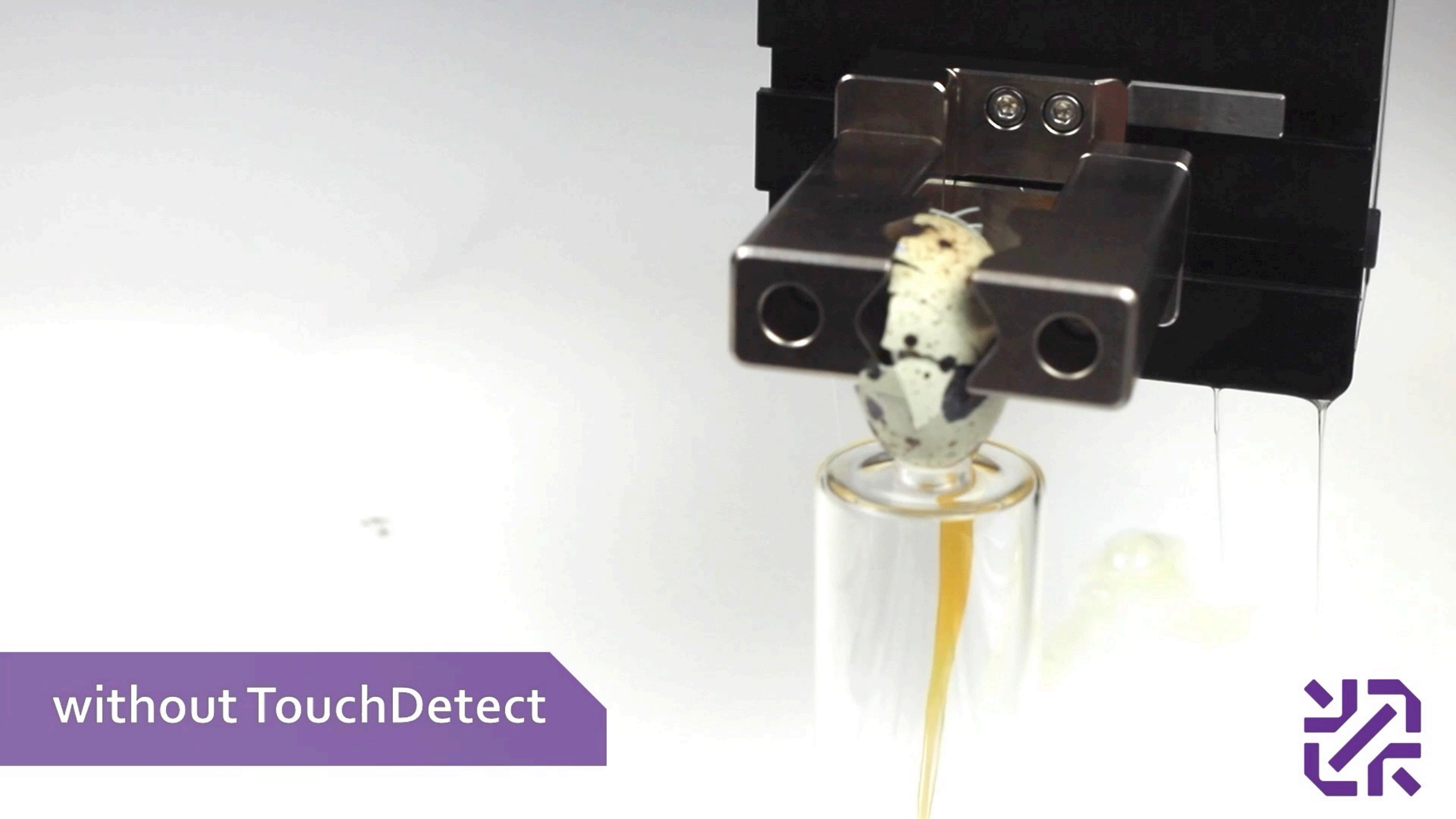
Tactile Skins for Industrial Grippers

- Gripping different objects with the same gripper
- Safe object handling
- Information generation



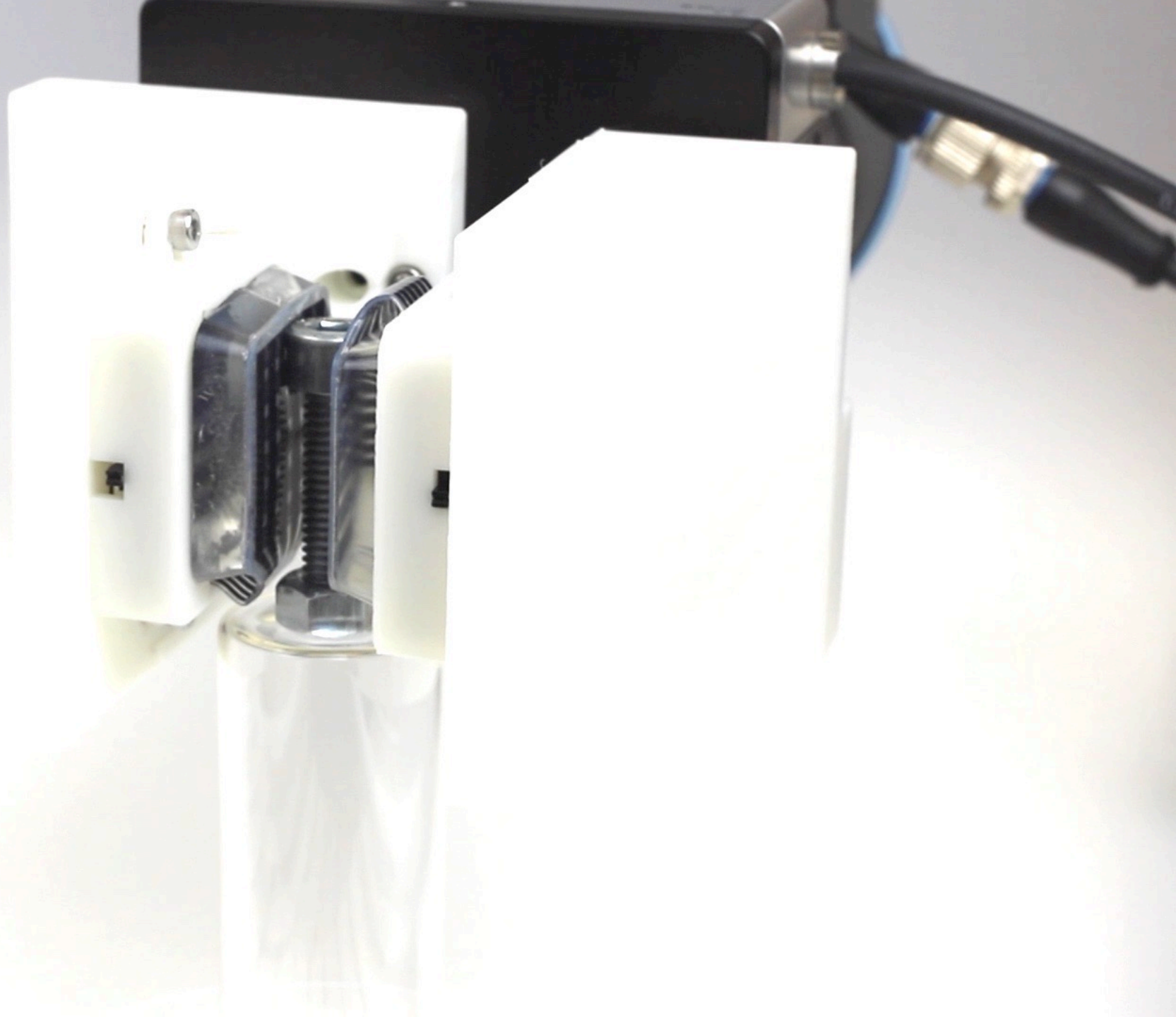
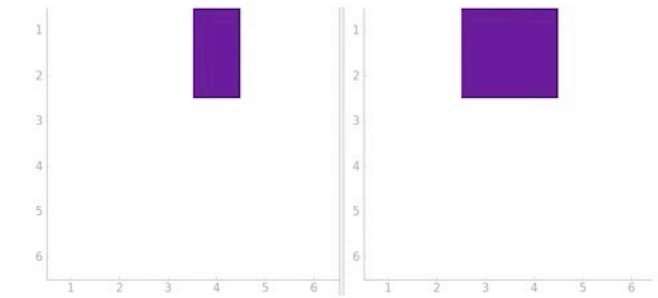
without TouchDetect

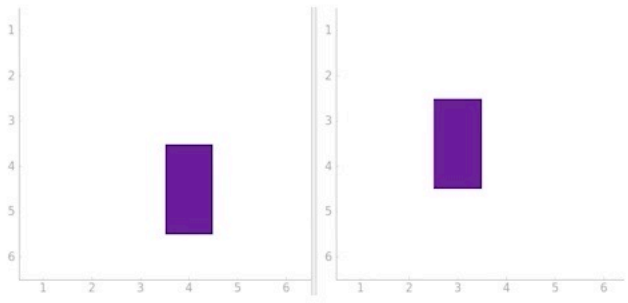
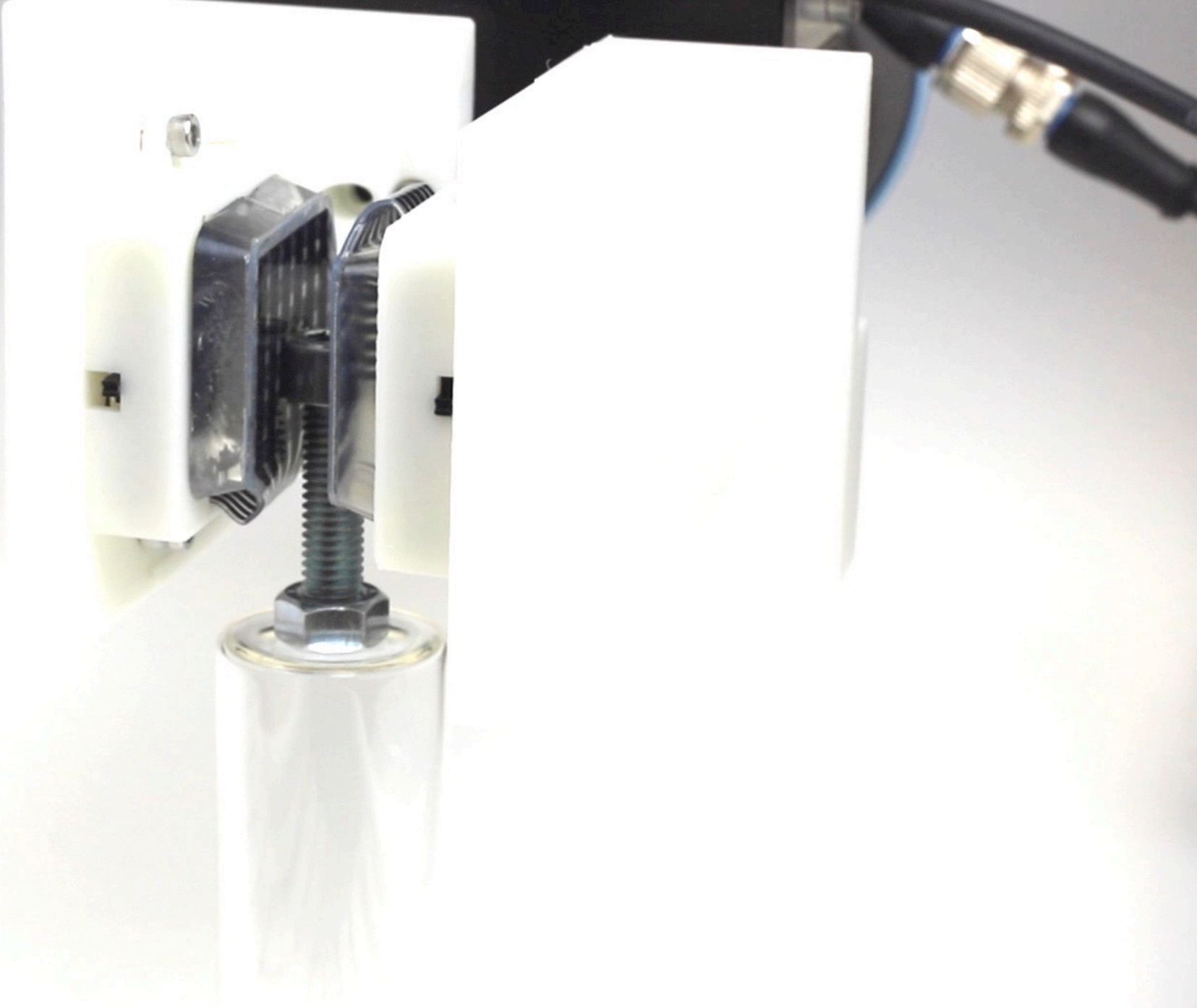


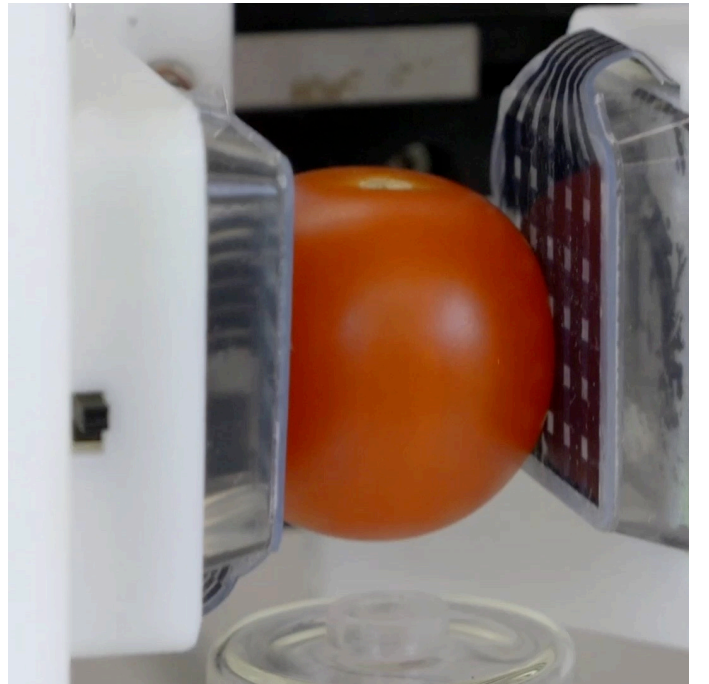
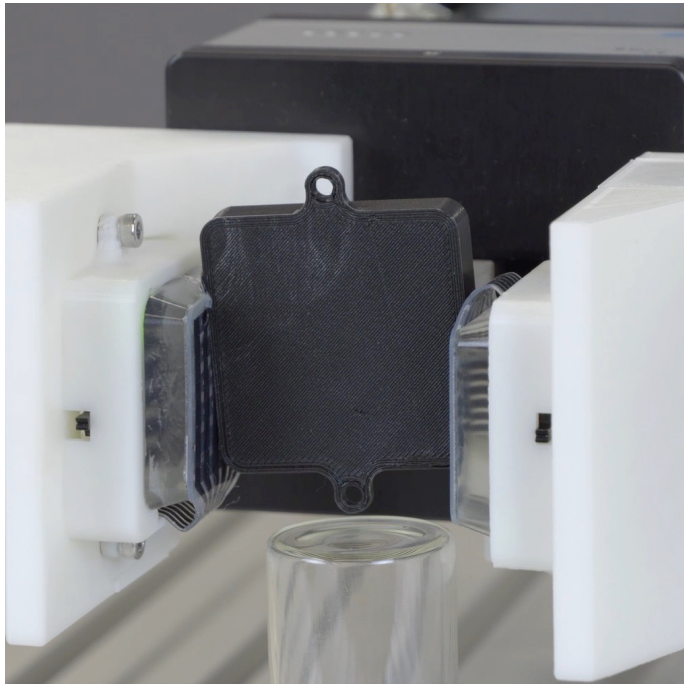
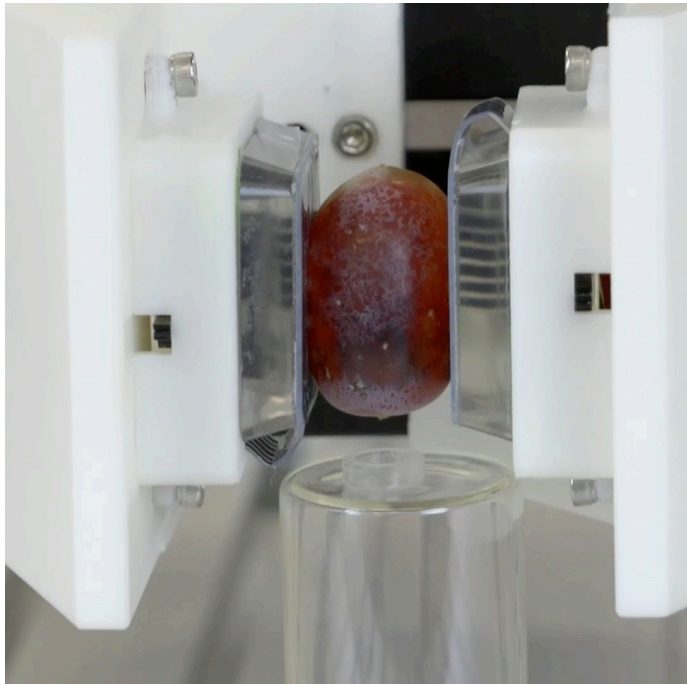
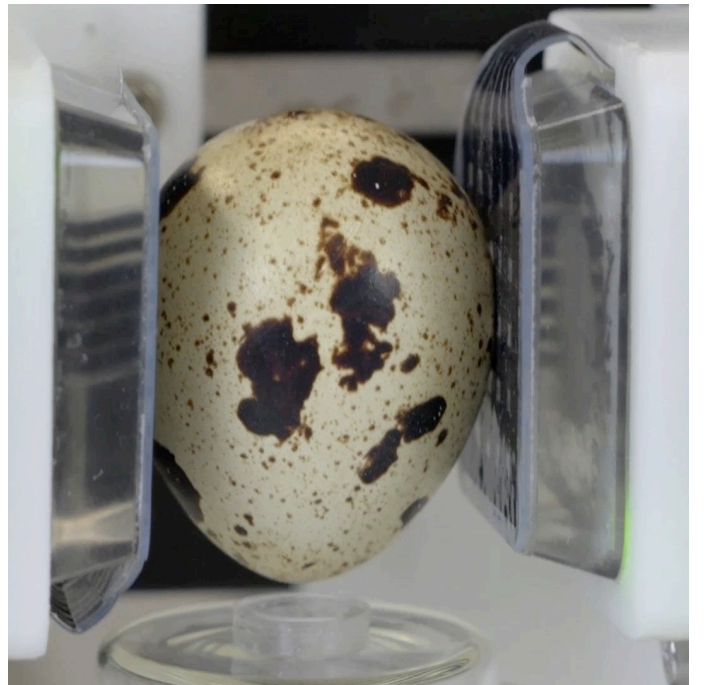
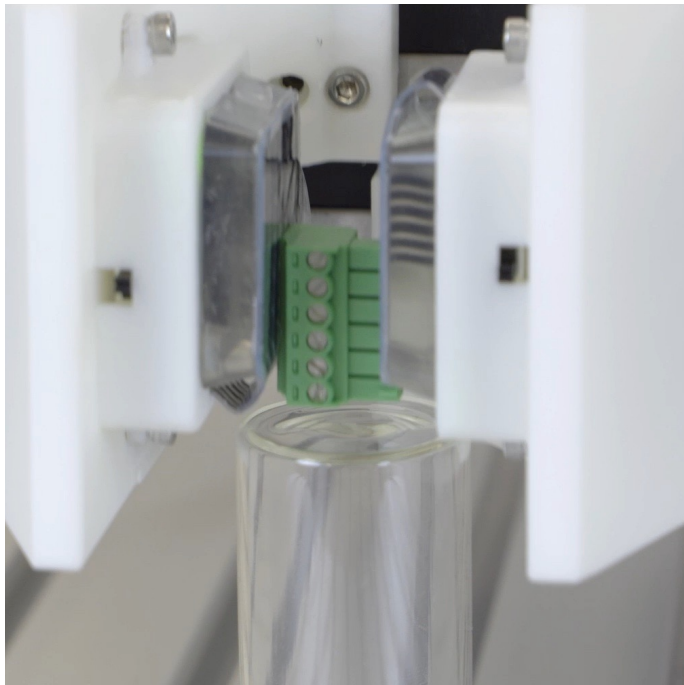
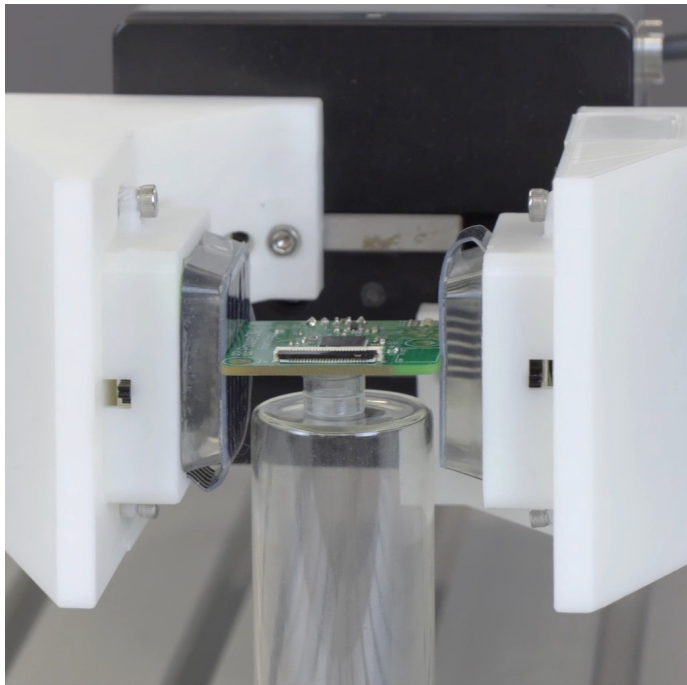


without TouchDetect



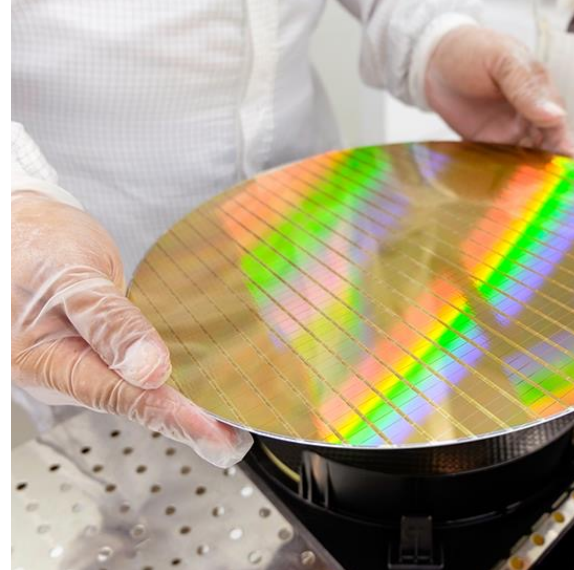






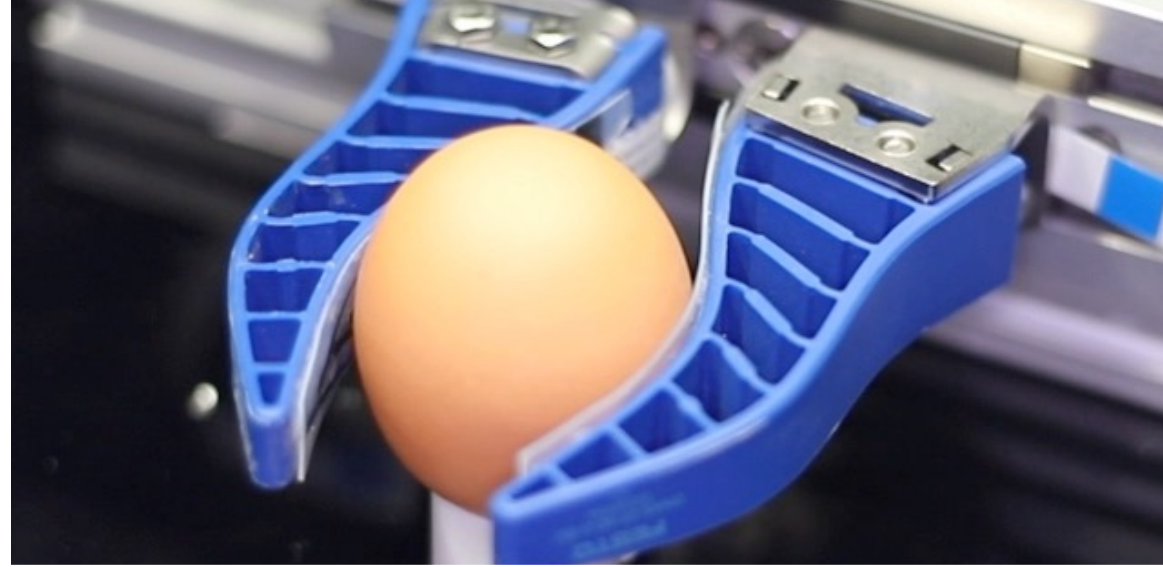
Robots cannot feel, they lack “Fine Motor Skills” as we humans have

- Industry
- AgriTech
- Households / Service
- Pharma / MedTech



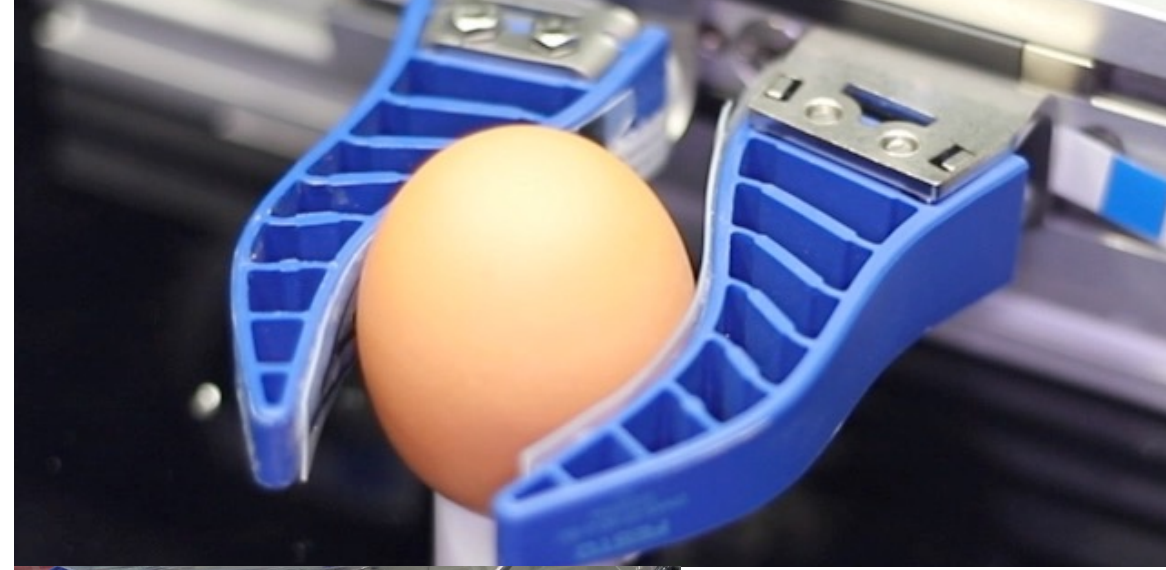
Advantages

- Easily customisable design



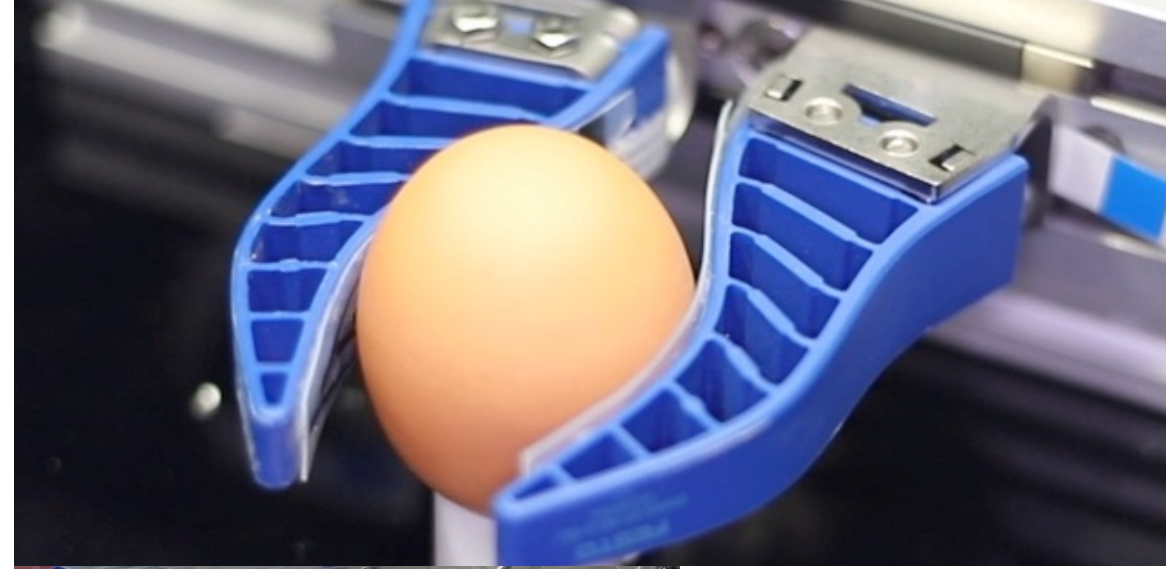
Advantages

- Easily customisable design
- Printable and scalable | flexography
| >1000 units/h



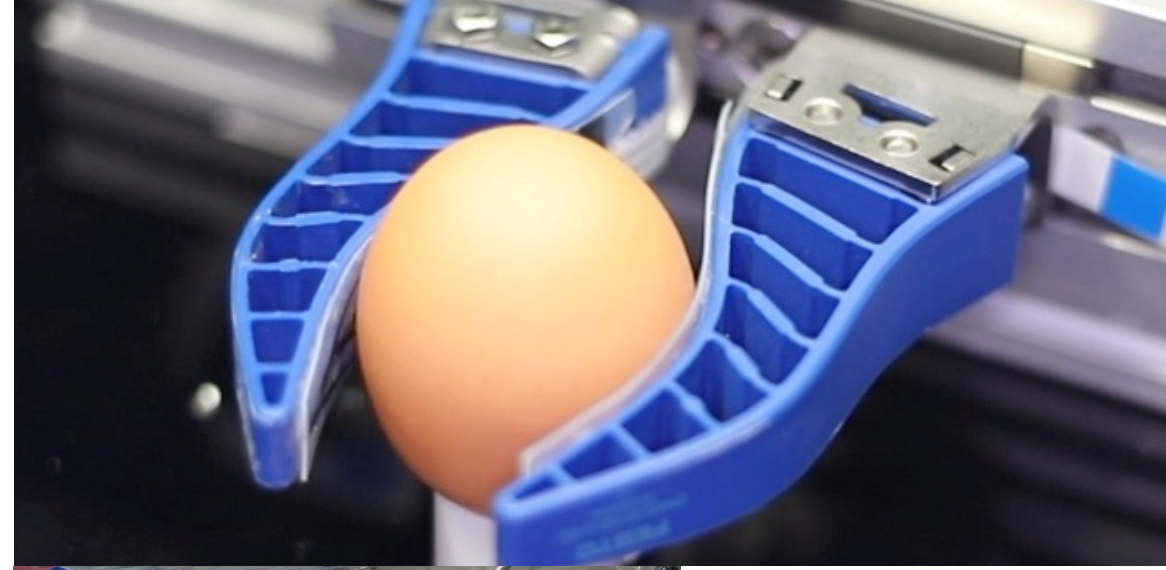
Advantages

- Easily customisable design
- Printable and scalable | flexography
- Cost effective materials | >1000 units/h
- Cost effective materials | < 2€/unit



Advantages

- Easily customisable design
- Printable and scalable | flexography
- Cost effective materials | >1000 units/h
- Soft | $E = 1\text{MPa}$
- Flexible and stretchable | $\lambda_{\text{max}} > 2$



Let's make robots feel!

Together



PowerON

Smart Elastic

Contact: mail@poweron.one | Website: www.poweron.one

