



HexagonFab

Bioanalytical tools for life science
research and production

Product sheet

Meet HexagonFab!



HexagonFab

Bioanalytical tools for life science research & manufacturing

- Founded: 2018
- Team: 10 people
- Offices: Cambridge, UK; Zurich, CH

Your contacts



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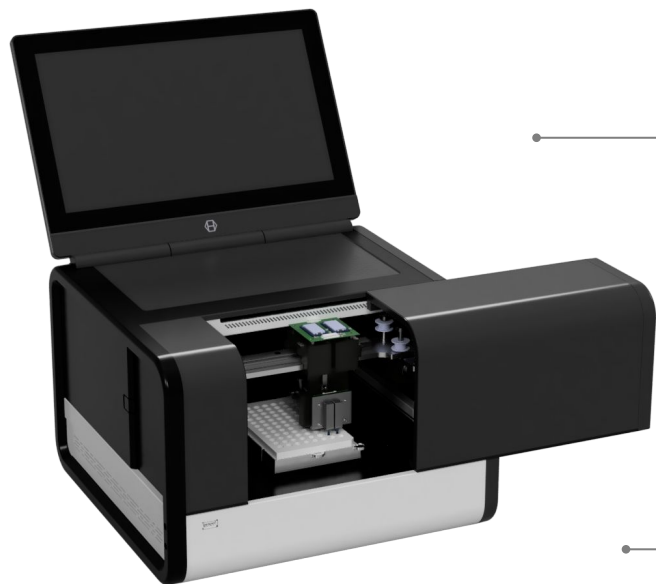
Supported by:





The HexagonFab Bolt

Label-free assay for biomolecular interaction analysis & quantification



Integrated
Immediate, digital output
Intuitive touch-screen interface

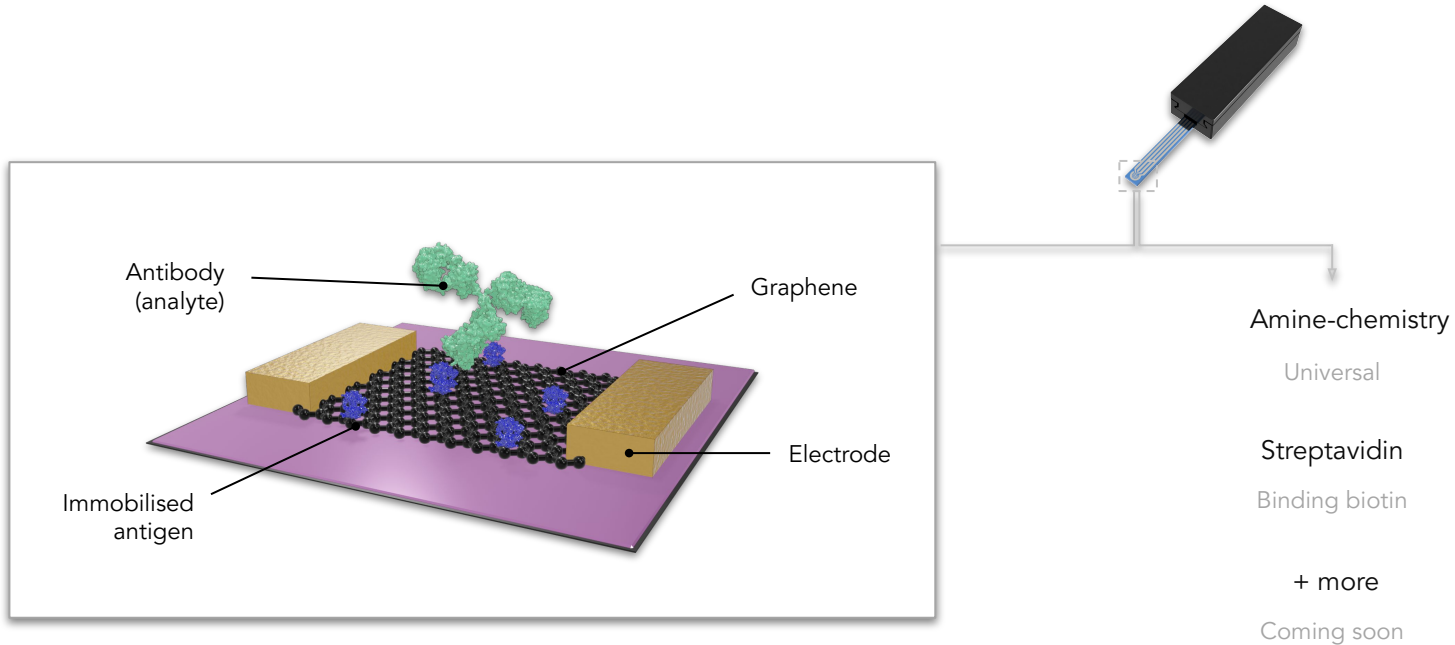
Disposable sensor
Dip & read sensor technology
High sensitivity sensor

Benchtop reader
Automated & temperature-controlled
Compatible with standard 96-well plates



Technology

Graphene sensor - detecting biomolecules based on their electric charges

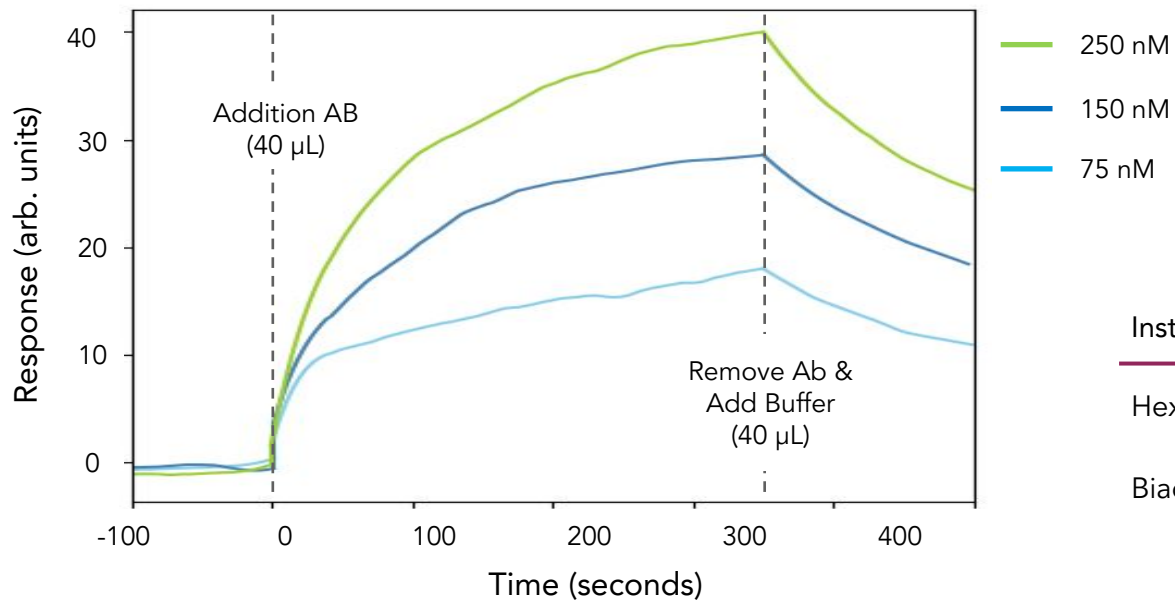


- Electrical resistance of the nanomaterial is sensitive to electrical charges
- Bindings of (charged) biomolecules are registered instantly and read out as electrical signal



Example data

Binding kinetics of an anti-Avidin Antibody to its target protein



Instrument	k_a ($M^{-1}s^{-1}$)	k_d (s^{-1})	K_D (nM)
HexagonFab Bolt	9.8×10^4	4.7×10^{-3}	48
Biacore T200	9.5×10^3	2.0×10^{-4}	21



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