NOVALIA

NOVALIA

Who We Are

Cambridge UK

BREAKTHROUGH AWARDS 2012

The 2013 FlexoTech International Print & Innovations Awards

WINNER

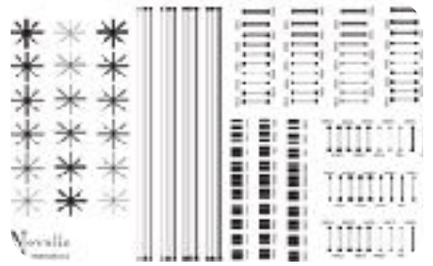
Printed Electronics AWARDS — PRODUCT DEVELOPMENT AWARD — EUROPE 2010

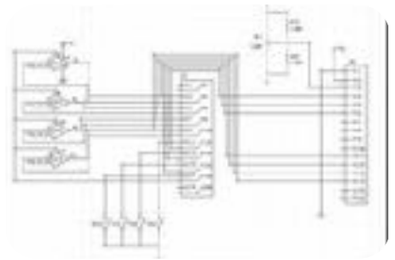
Printed Electronics AWARDS — Winner 2010 — Best in Show Award

We combine traditional print & traditional electronic components,
Novalia adds **printed touch** and **connectivity** to everyday things

NOVALIA

What We Do



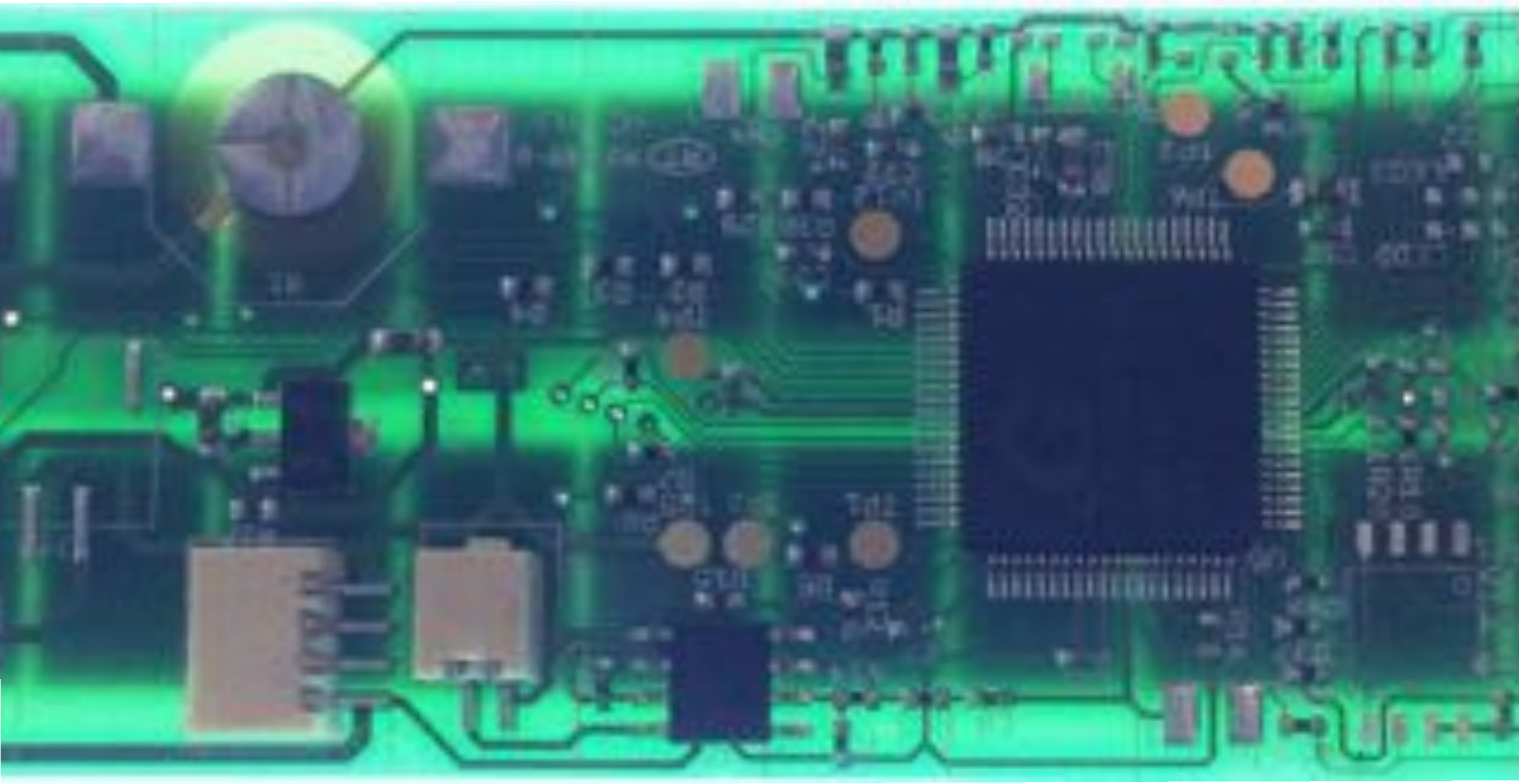


NOVALIA

We print conductive ink to produce a printed circuit

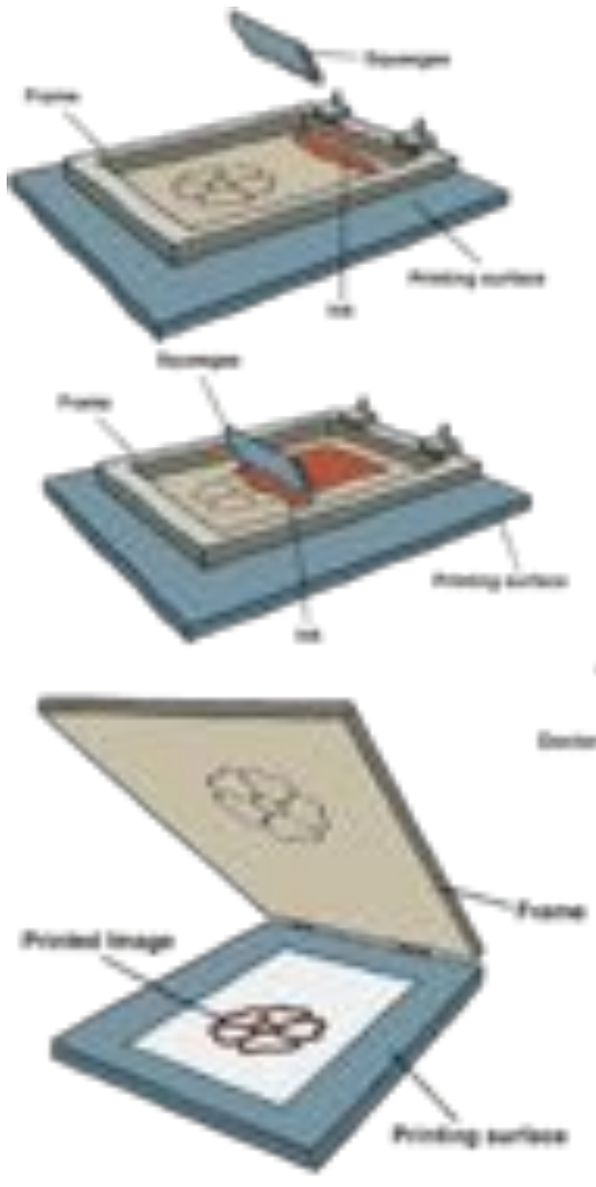
NOVALIA

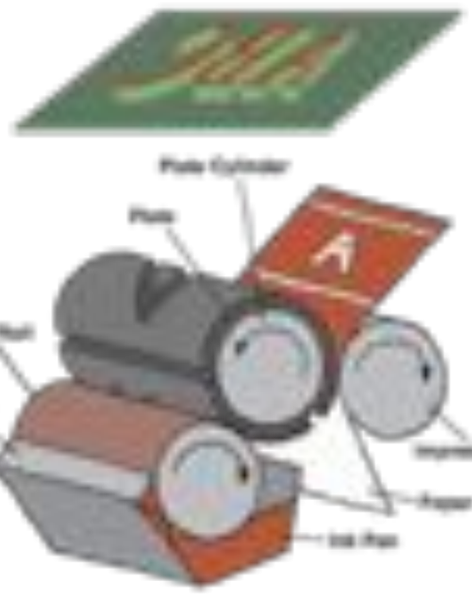
To this print we attach our electronic printed circuit boards

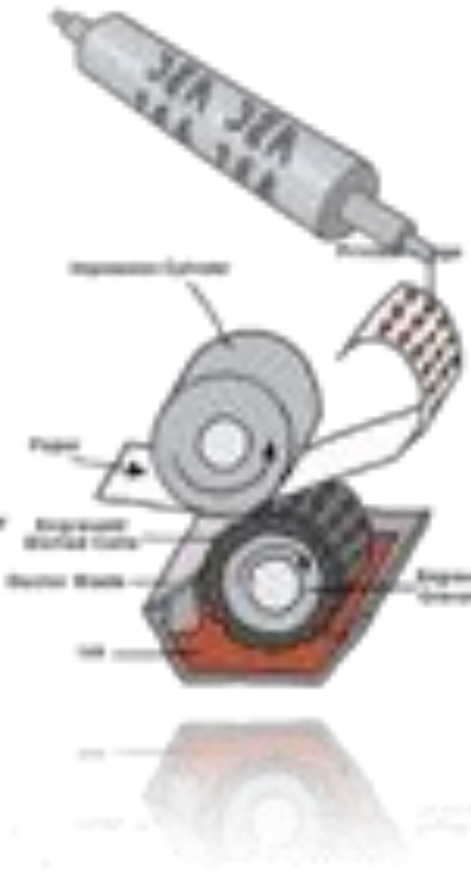


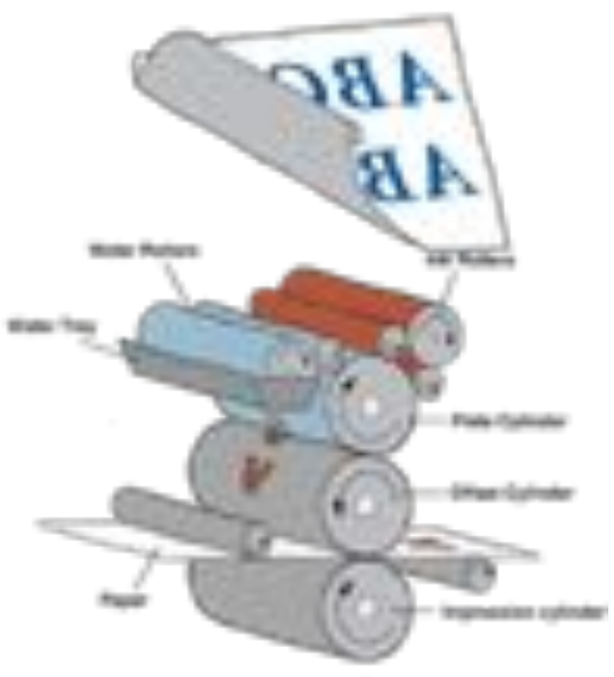
NOVALIA

Print Processes









NOVALIA

Print Processes







NOVALIA

Novalia Platforms

We design our platforms to create user **experiences**

We develop our technology for ease of **manufacture**

We harness existing materials/production to unlock **scalability**

Sound Platform

Bluetooth Platform

Data Capture Platform

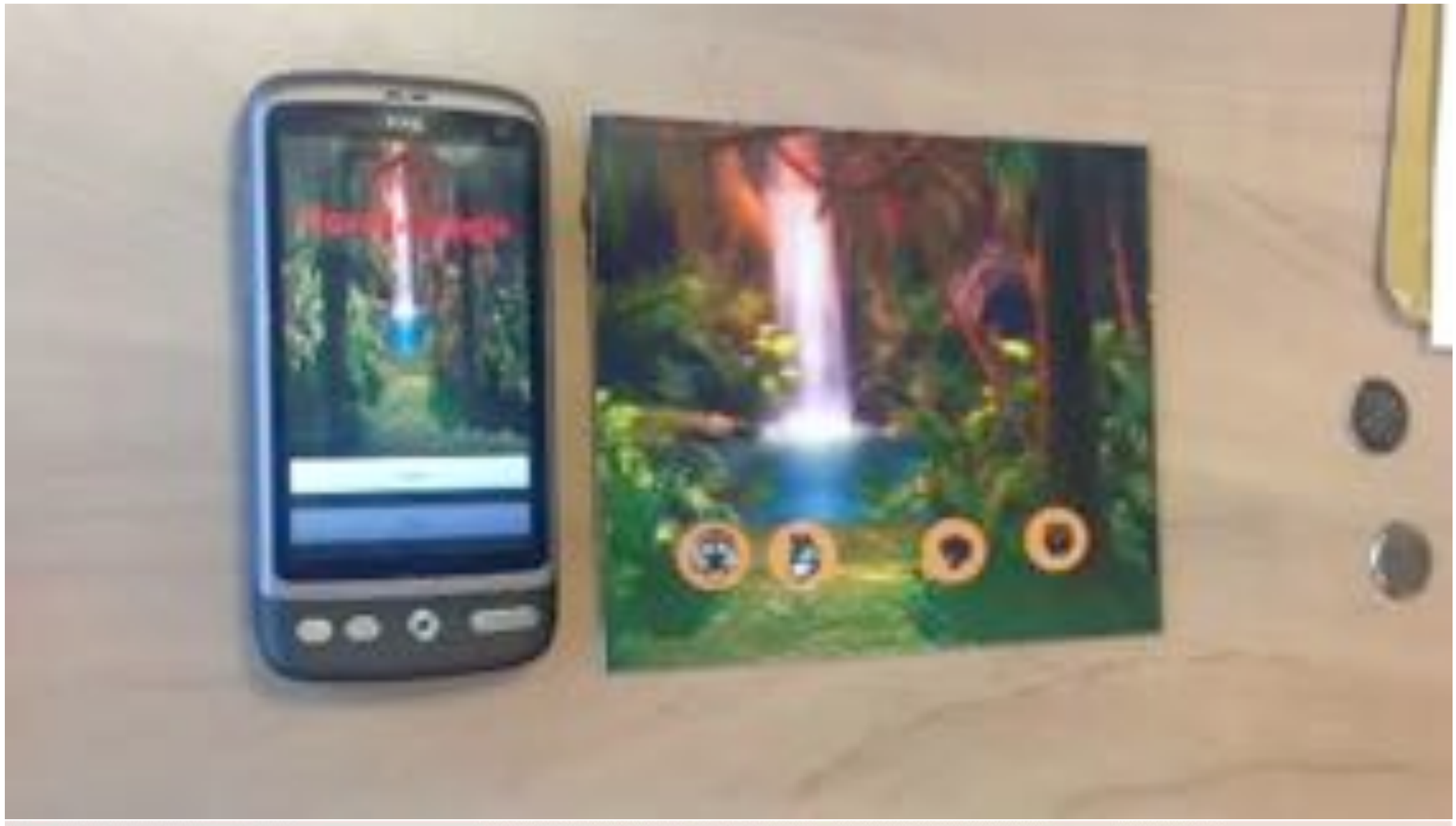
NOVALIA

Early Demonstrators

NOVALIA

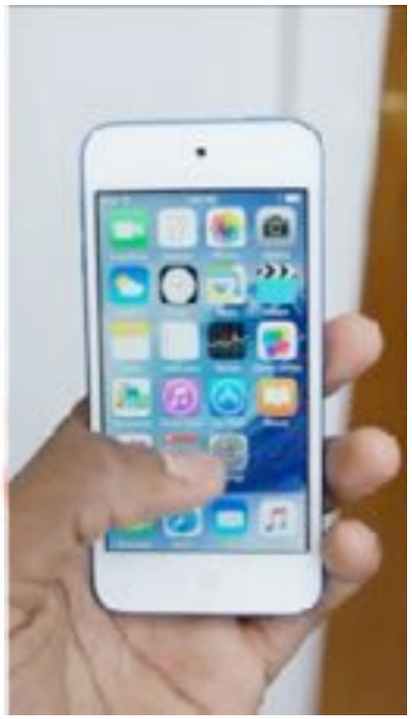
Early Developments

Early Developments



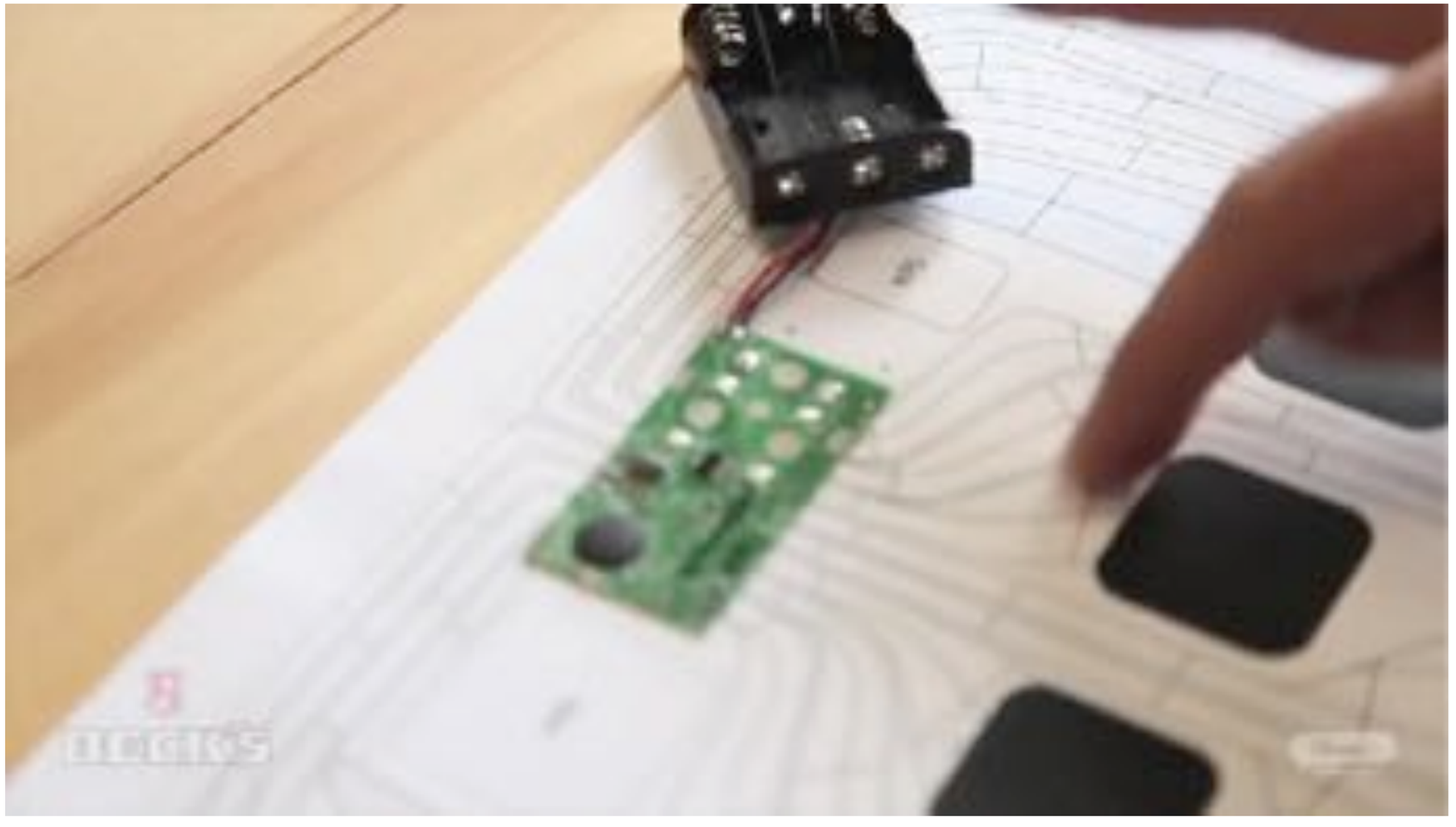
Capacitive Touch

- Capacitive touch is used in most touch screens
- Novalia's technology produces the same effect through printed sensors
- We use conductive ink printed onto the reverse of substrate and the touch works through the substrate



NOVALIA

Printed Audio



NOVALIA

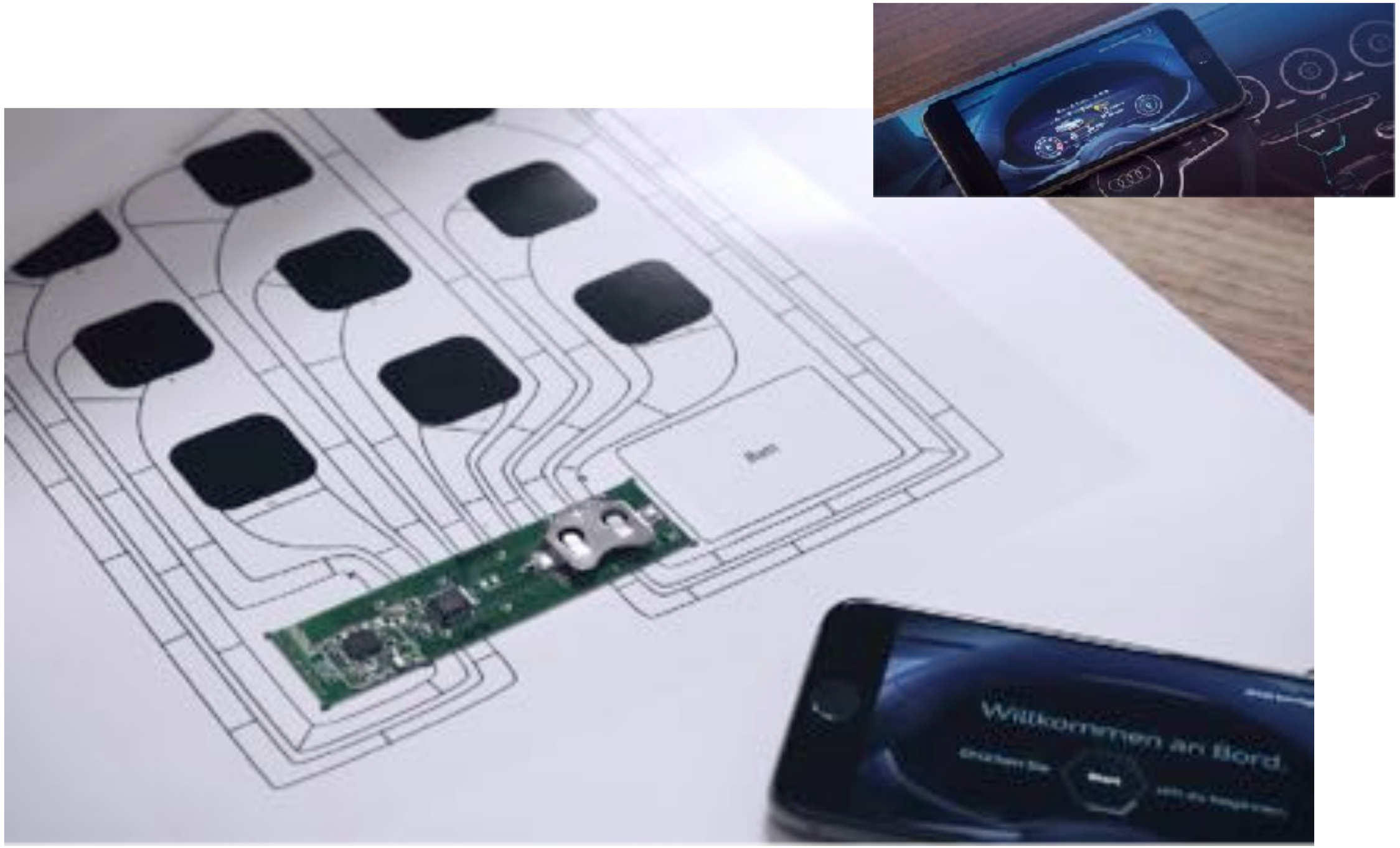
Printed Applications

NOVALIA

NOVALIA

GREY
london

NOVALIA



CANNES LIONS

razorfish

NOVALIA

2015 Bronze Creative Use Of Technology: Augmented Mobile Experience

Dubai Lynx
2015 Gold - Media
2015 Bronze - Interactive

PUBLICIS

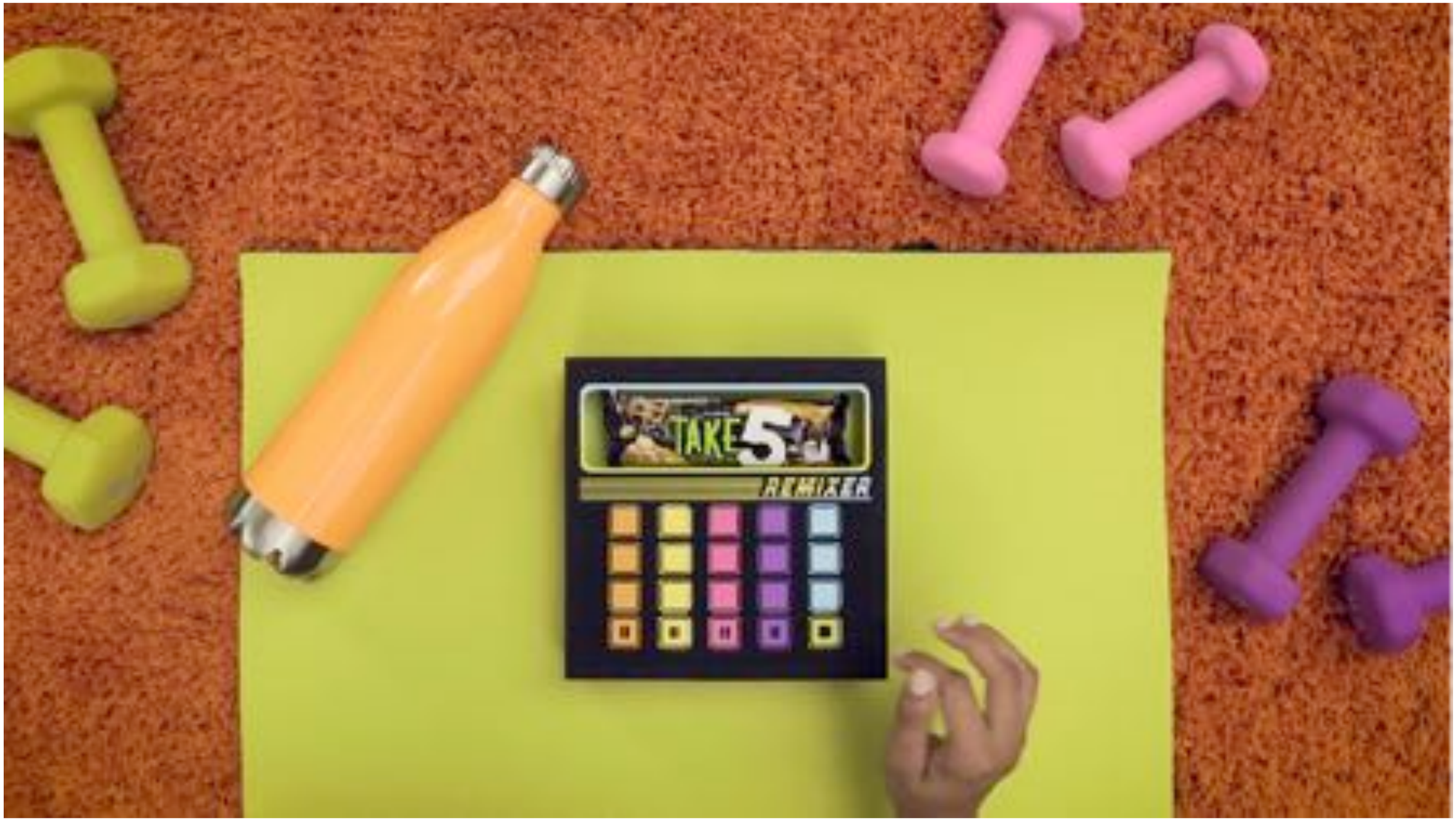
NOVALIA


DEWALT


DEWALT

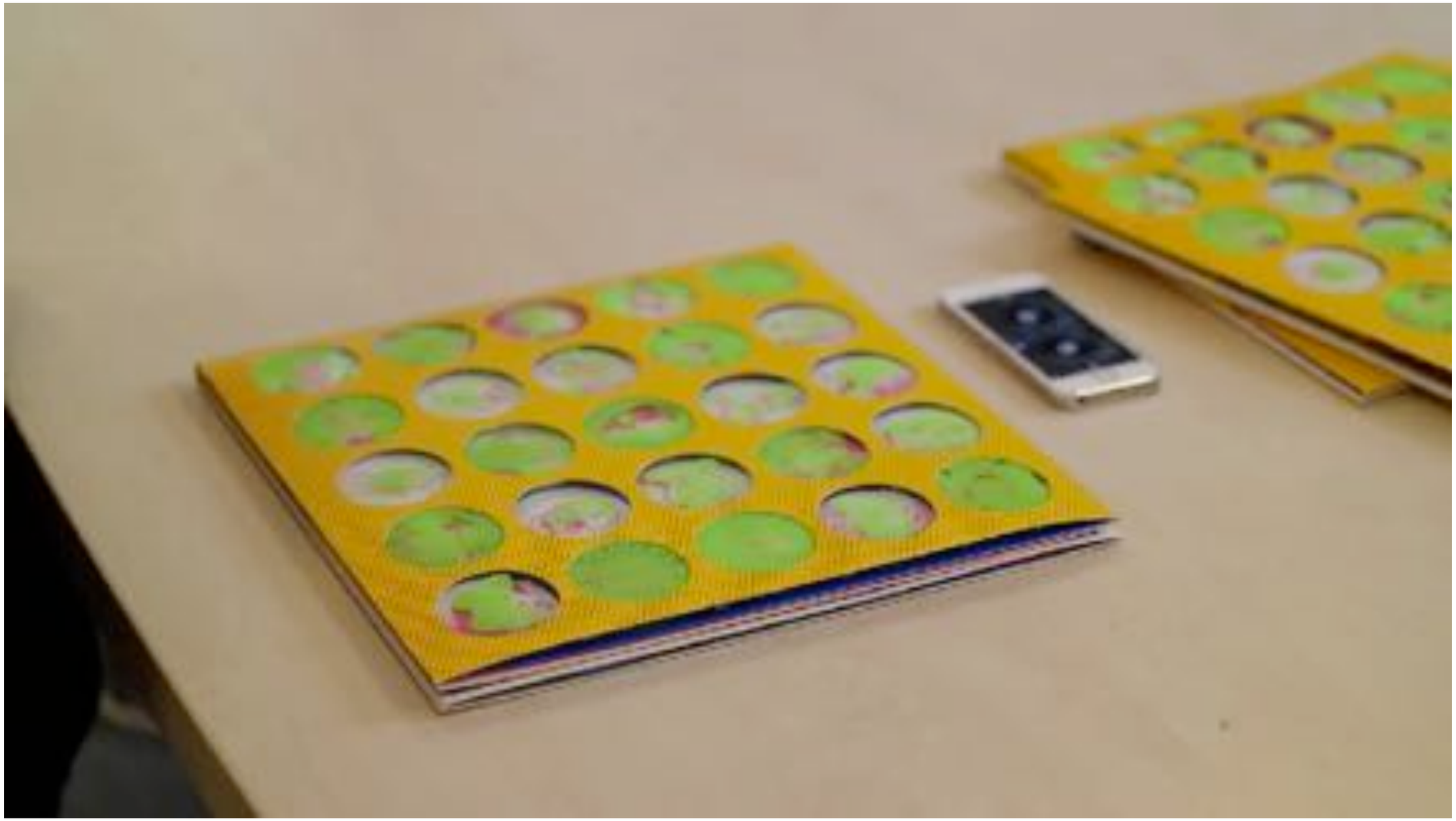
NOVALIA

HERSHEY'S®



NOVALIA

THUD RUMBLE
LIMITED

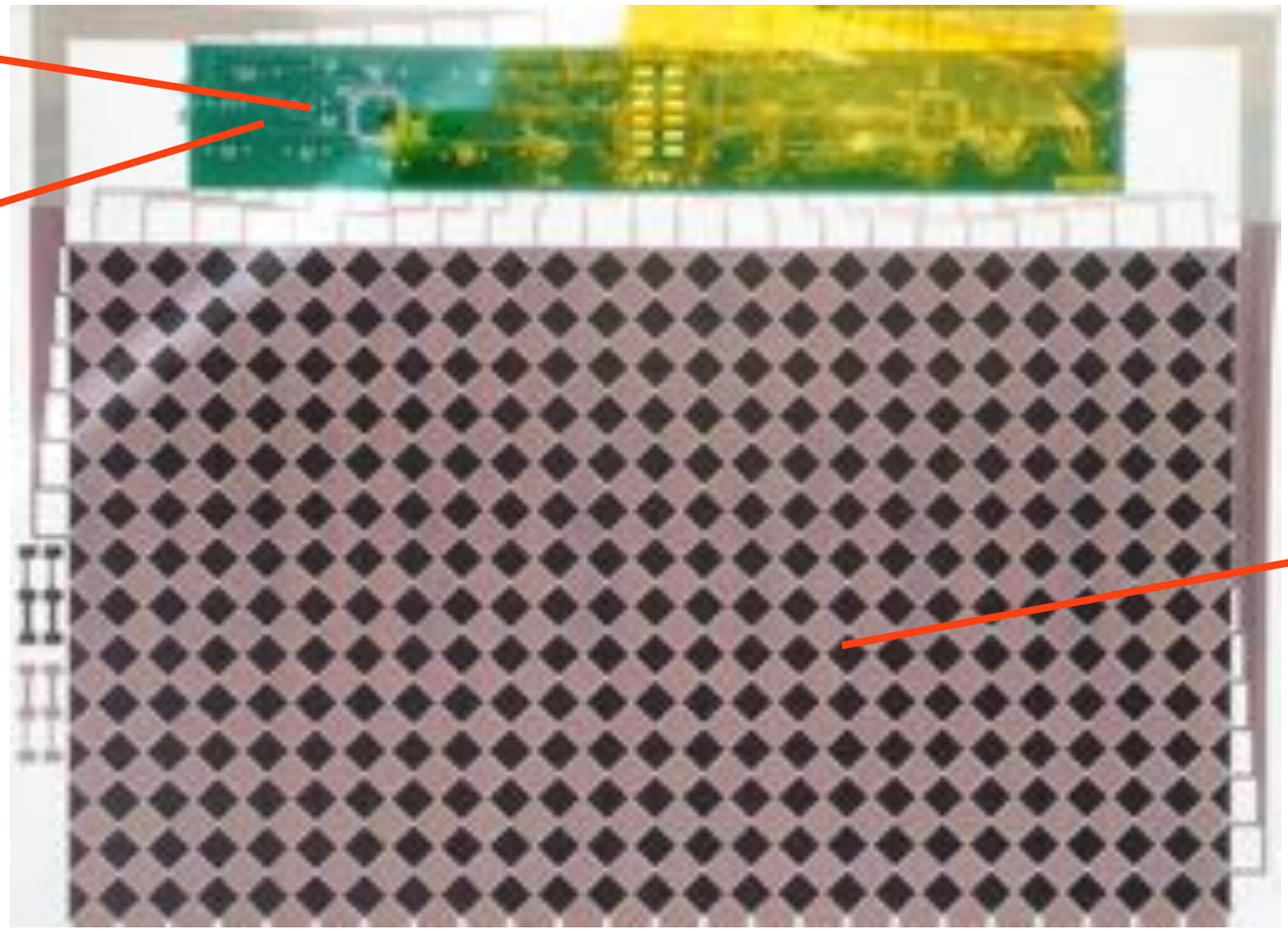


NOVALIA


TASTE FREEDOM
TASTE FREEDOM
TASTE FREEDOM

Replaceable thin battery - 1.6mm thick

PCB board < 0.8mm thick - Running capacitive touch & Bluetooth comms



Printed user interface (Buttons/Keyboard/ Trackpad) <60µm thick

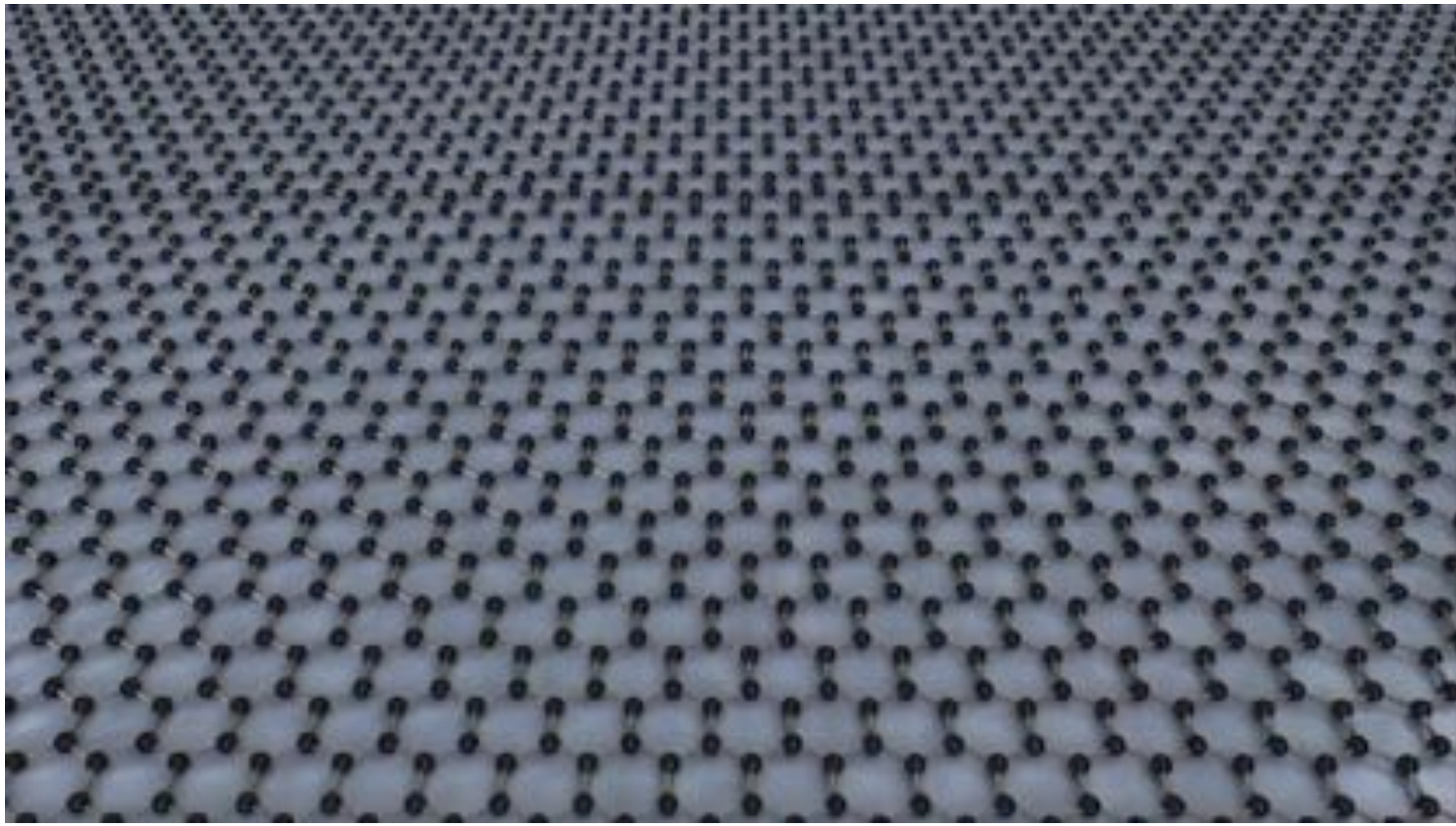
NOVALIA

NOVALIA

72 and Sunny

NOVALIA

R&D

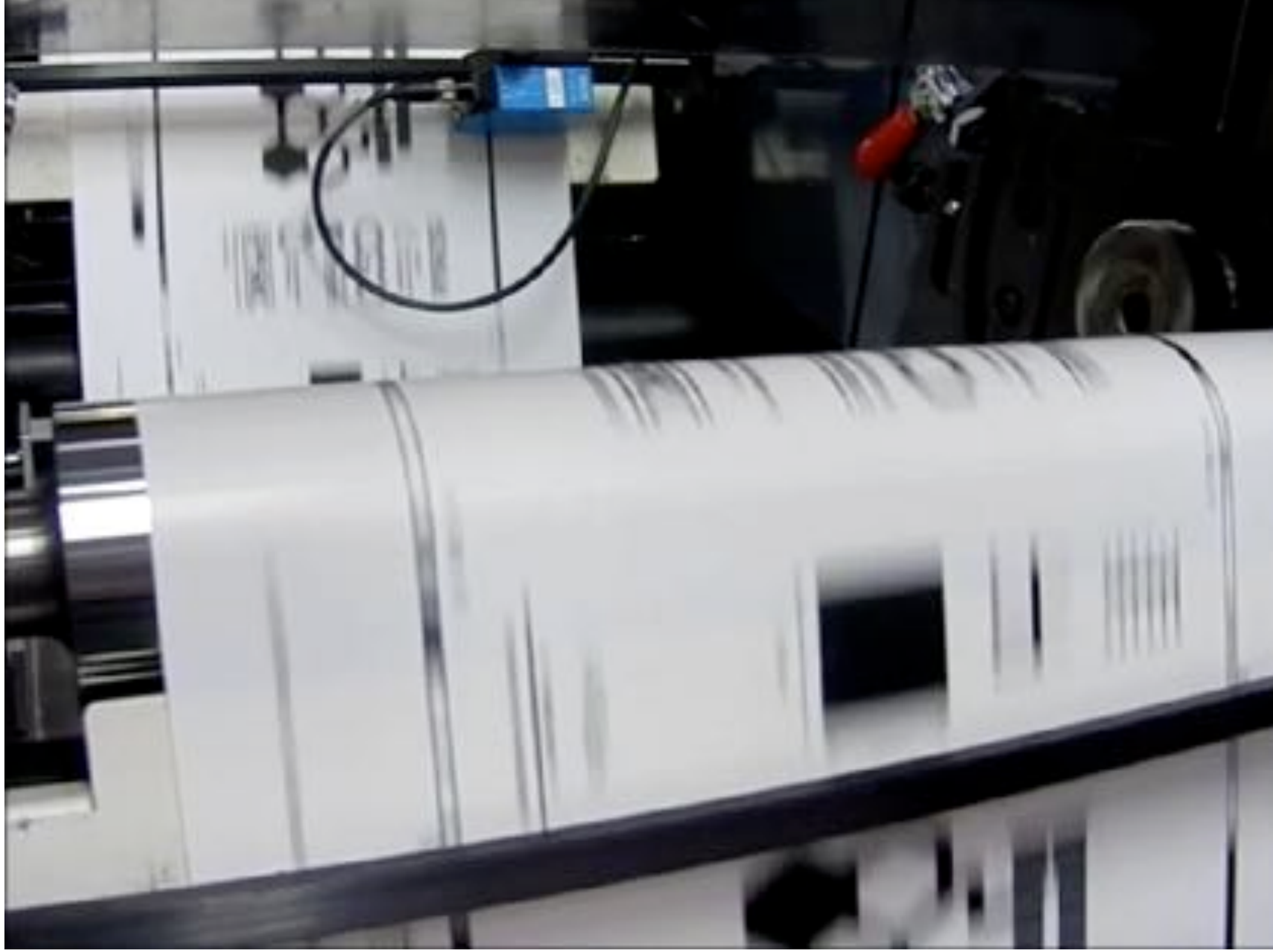


UNIVERSITY OF CAMBRIDGE

NOVALIA

Graphene Project - 2013

R&D



EPSRC
Engineering and Physical Sciences Research Council

UNIVERSITY OF CAMBRIDGE

NOVALIA

Graphene Flexographic Inks Project - 2015

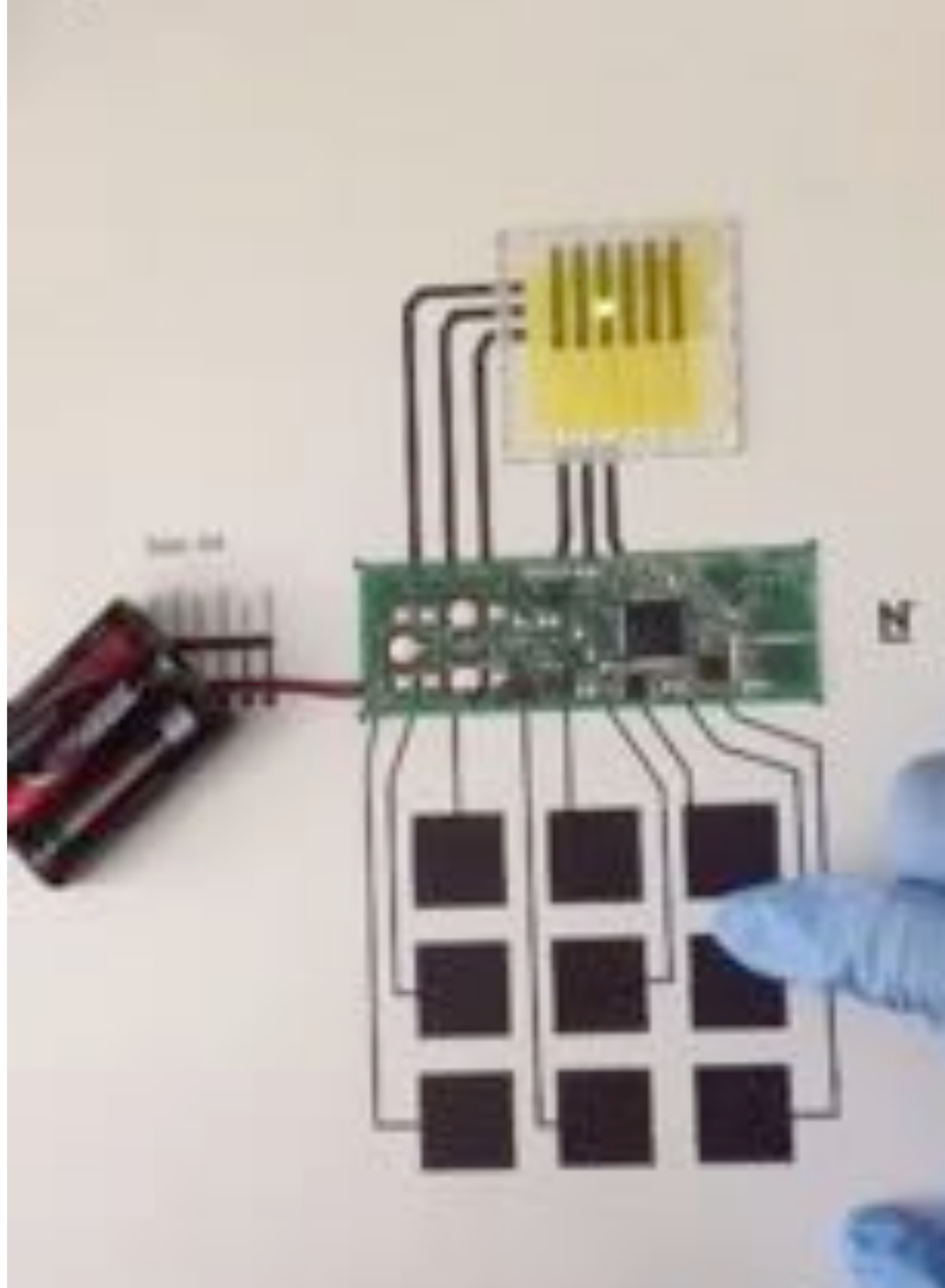
EPSRC
Engineering and Physical Sciences Research Council

Organic LED Project - 2015

R&D

The University Of Sheffield.

NOVALIA



Horizon 2020
European Union Funding
for Research & Innovation

Flexolighting Project - 2015/17

R&D

Brunel University London

intrinsiq materials

TATA STEEL

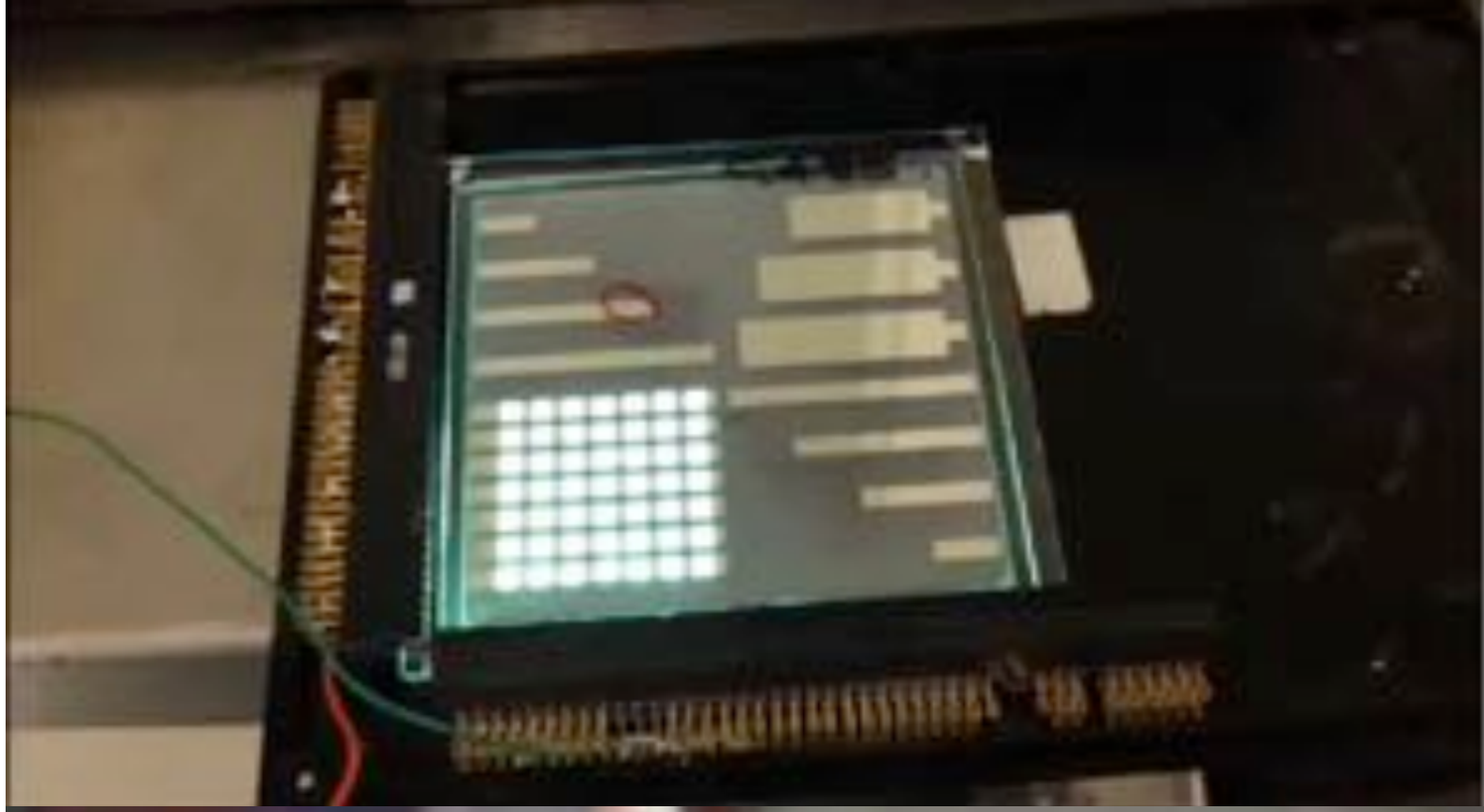
beneq

MARKS & SPENCER

NOVALIA

AIXTRON
Our Technology. Your future.

RobinsonBrothers
Excellence in Cleaning



GRAPHENE FLAGSHIP

Horizon 2020
European Union Funding
for Research & Innovation

Graphene Flagship Project - 2016-2020

R&D

Europe's biggest ever research initiative. The Graphene Flagship is a €1 billion project bringing together over 150 academic and industrial research groups in 23 countries to take graphene from the realm of academic laboratories into society within10 years.

NOVALIA

Questions

Chris Jones
Novalia Limited
chris.jones@novalia.co.uk
0044 7799 846 899
www.novalia.co.uk

NOVALIA