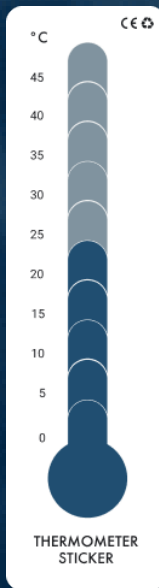
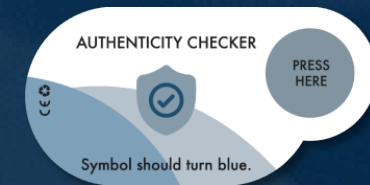
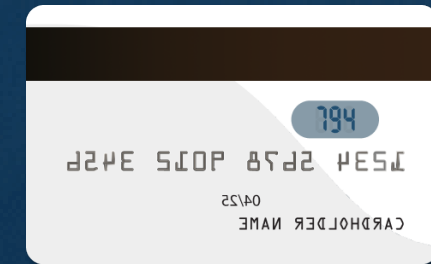
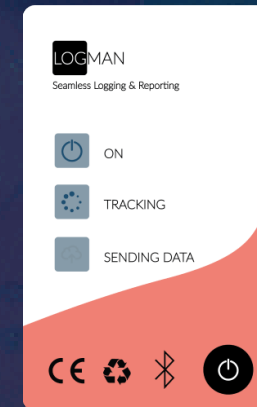




HIGH-VOLUME PRODUCTION OF ULTRA LOW POWER SEGMENTED DISPLAYS

✓ Design Freedom ✓ Thin & Flexible ✓ Cost-Effective



WE PRODUCE ULTRA-LOW-POWER SEGMENTED DISPLAYS TAILORED TO YOUR NEEDS.

Experts in printed electronics and mass-producers of customized segmented displays based on innovative electrochromic technology, unlike LCD, LED, or EPD.



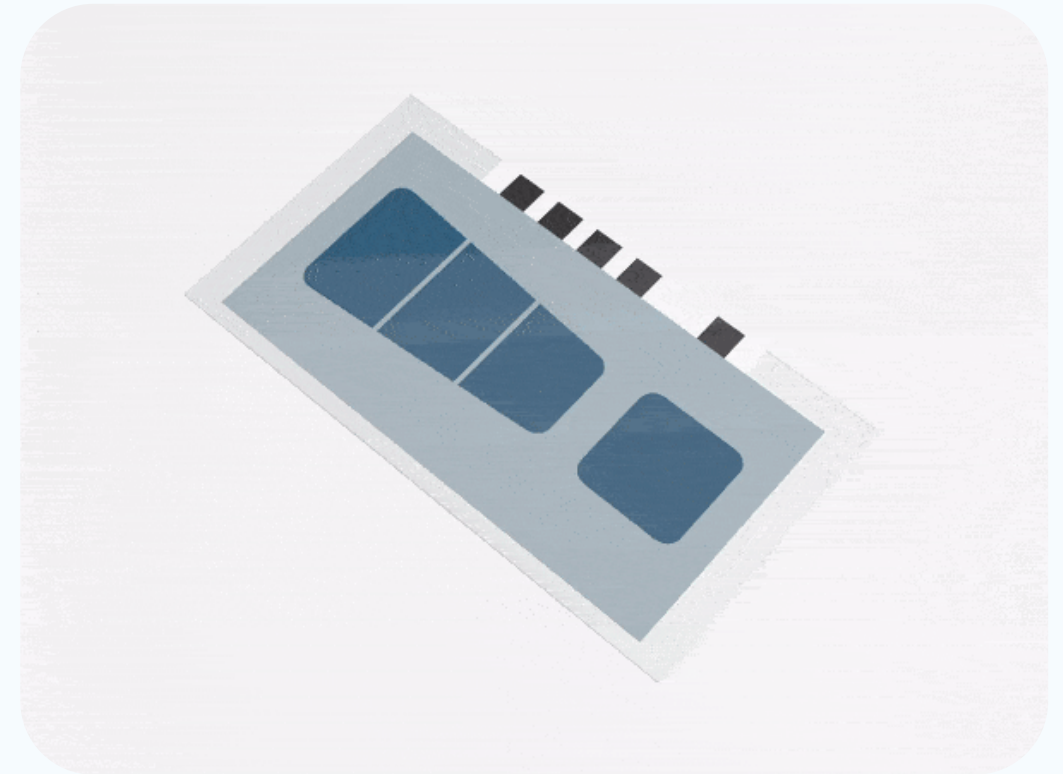
Electrochromic



Reflective



Segments & Icons



WE PRODUCE ULTRA-LOW-POWER SEGMENTED DISPLAYS TAILORED TO YOUR NEEDS.

Experts in printed electronics and mass-producers of customized segmented displays based on innovative electrochromic technology, unlike LCD, LED, or EPD.



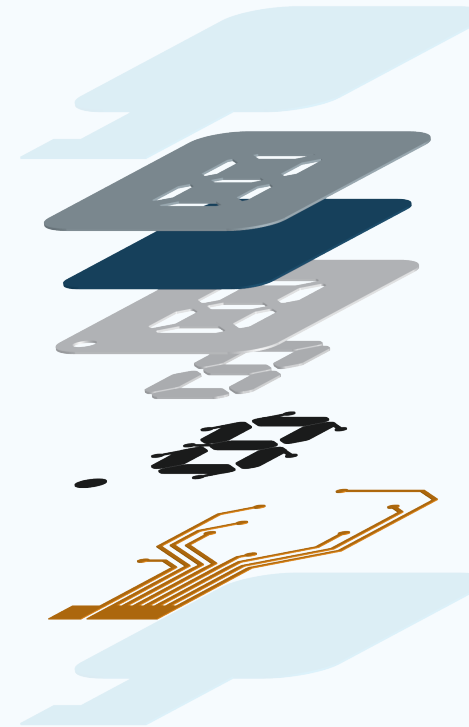
Electrochromic



Reflective



Segments & Icons



Moisture Barrier Substrate

Graphical layer

Electrochromic layer

Symbol layer

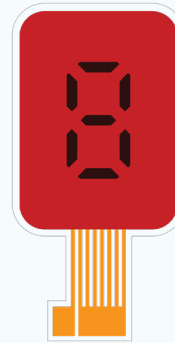
Electrolyte

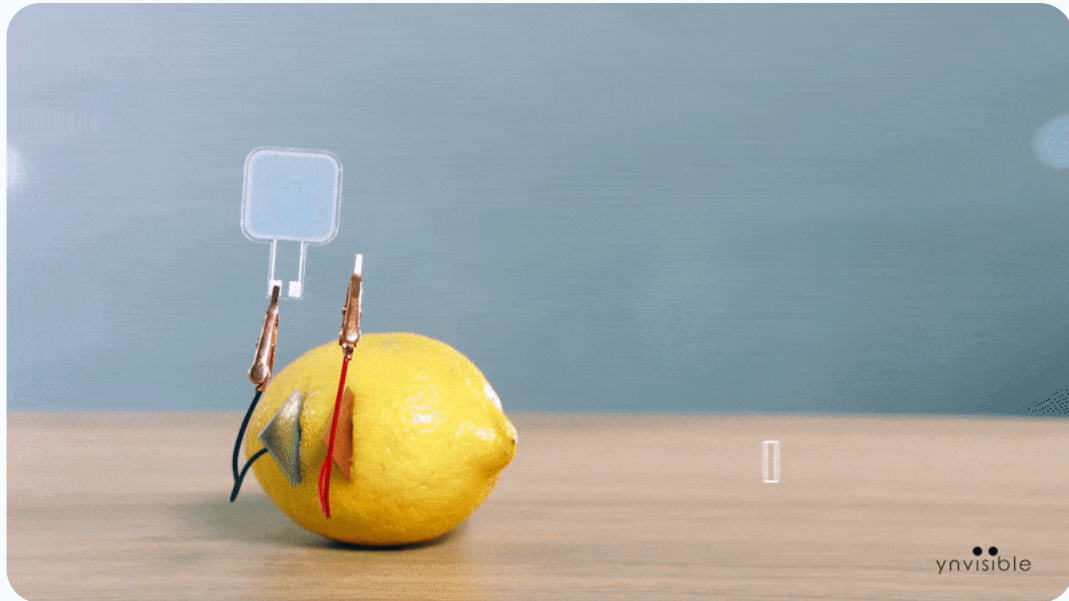
Counter Electrode

Silver

Moisture Barrier Sealing

AVAILABLE IN YOUR
PREFERRED COLOR





MOST ENERGY-EFFICIENT DISPLAYS ON THE MARKET

Ideal display for battery-driven or battery-less IoT devices.



Microwatt
< 1 $\mu\text{W}/\text{cm}^2$



Image Memory
without power



Low Voltage
1.5V – 3V

THIN & FLEXIBLE WITH ENDLESS DESIGN FREEDOM

Experiment with different shapes, forms, and colors.



Thin
< 300 μm

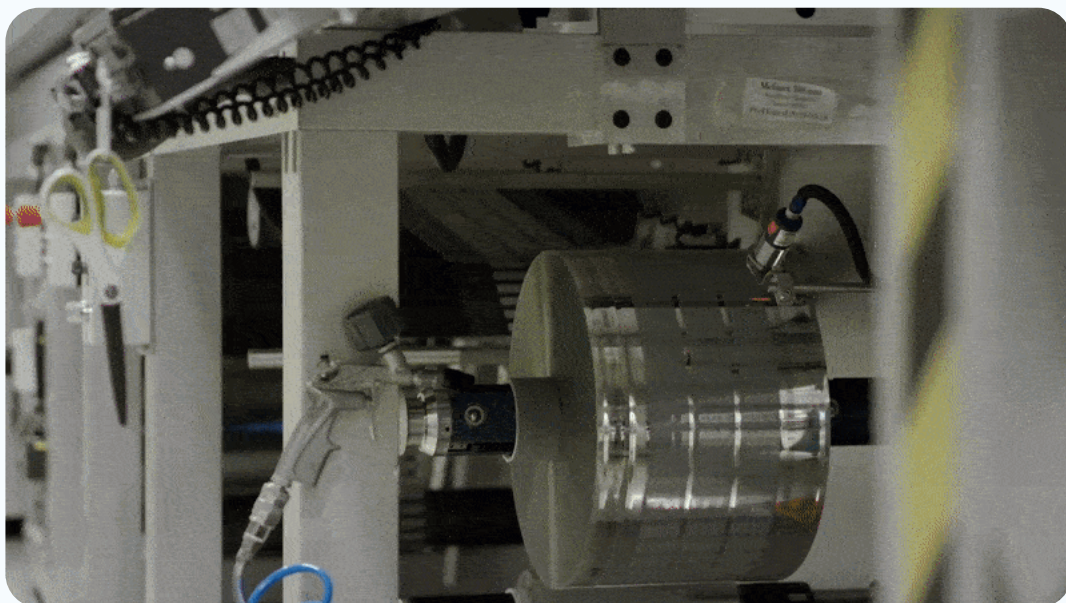


Flexible
10 mm radius



Customizable
Colors & shapes





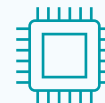
COST-EFFECTIVE PRODUCTION AND INTEGRATION

Use Ynvisible's displays to reduce both system- and component cost



Cost Savings

Competitive pricing



Easy to Drive

No extra components



Easy to Integrate

ZIF, ACF, or Glue

ENDLESS DESIGN FLEXIBILITY ENABLES NEW APPLICATIONS



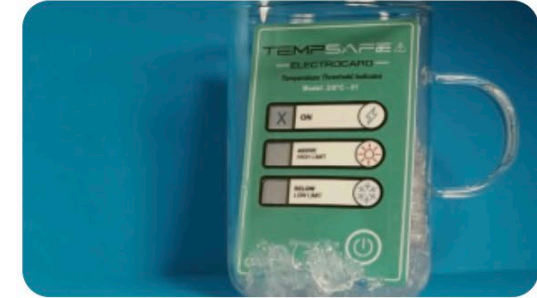
SMART EXPIRY DATE LABEL

Intuitive visual feedback, image memory, and a thin and flexible form factor make the Ynvisible Display the natural choice.



VISUAL INTERFACE FOR CLEANTECH

A sustainable brand needs a sustainable communication interface to their end clients.

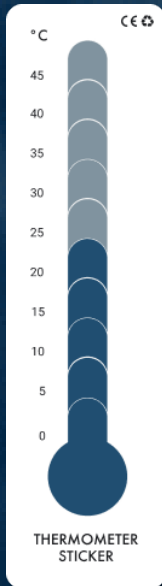
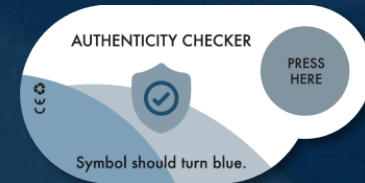
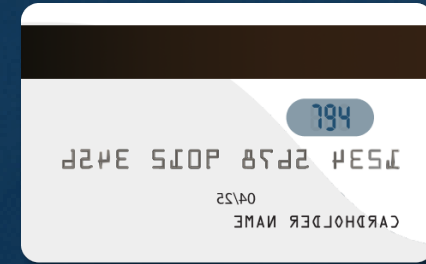


INTUITIVE DISPLAY FOR COLD-CHAIN MONITORING

Cost-effective, thin and flexible, and easy-to-integrate Ynvisible Display for cold-chain monitoring



APPLICATION EXAMPLES



LOGISTICS MONITORING

TEMPERATURE THRESHOLD INDICATORS AND LOGGERS

Intuitive visual feedback for
temperature excursions



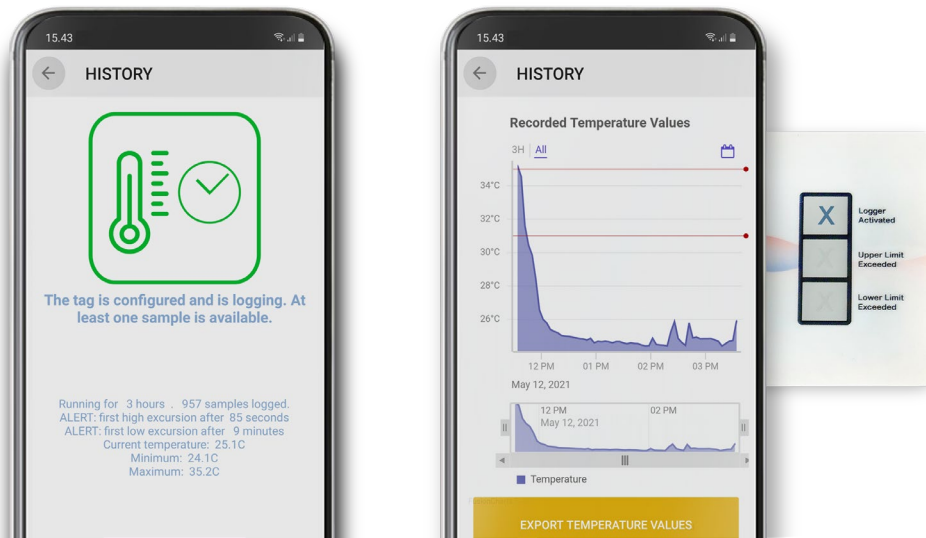
IDENTIV TEMPERATURE LOGGER

USING YNVISIBLE'S DISPLAY

IDENTIV developed together with Ynvisible an NFC equipped temperature logger utilizing printed electrochromic visual indicators. This combination makes it easy and quick to use, even without the need to go into phone app to see if certain thresholds are exceeded or not.

Electrochromic displays are perfect choice, when low power consumptions and robustness are required among visually clear and faultless readability.

Using of the NFC Reader App



- ✓ Low Power
- ✓ Robust (lamination, temp resist.)
- ✓ Visually Clear

AUTHENTICITY AND BRAND PROTECTION

IF THE DISPLAY CHANGES COLOR IT'S A REAL PRODUCT



SMART PHARMA PACKAGES

DRUG ADHERENCE AND QUALITY ASSURANCE

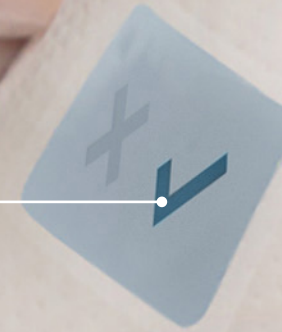


INTELLIGENT WEARABLE PATCHES

FOR MEDICAL, SPORTS, AND QUANTIFIED SELF

- ✓ Disposable
- ✓ Thin & Flexible
- ✓ Excellent readability

EVERYTHING OK!



INTELLIGENT WEARABLE - WRISTBAND

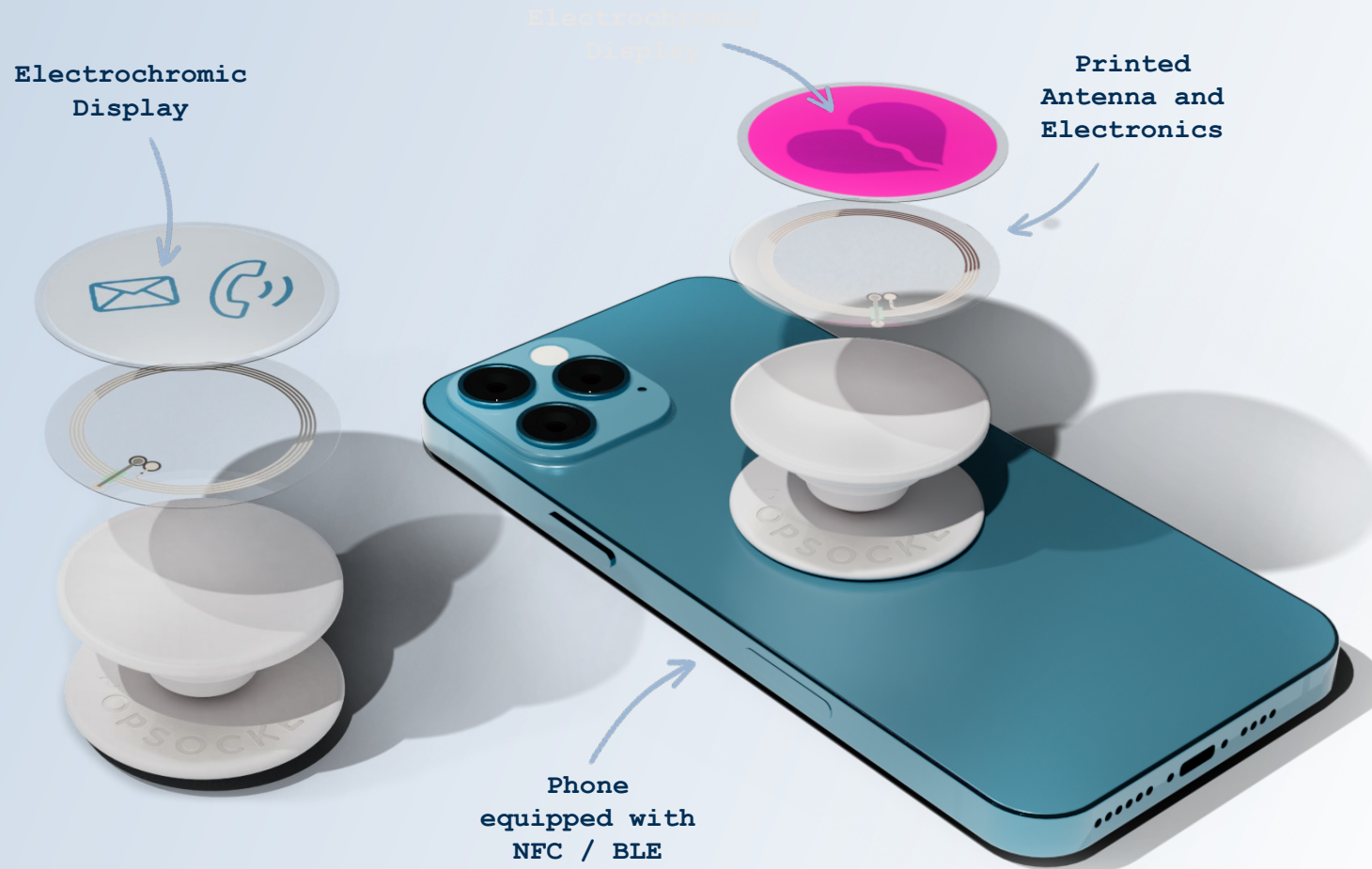
TIME SINCE ACCIDENT – TIME TO TAKE MEDICINE – TIME TO CALL FOR HELP?



yinvisible

INTERACTIVE POPSOCKETS

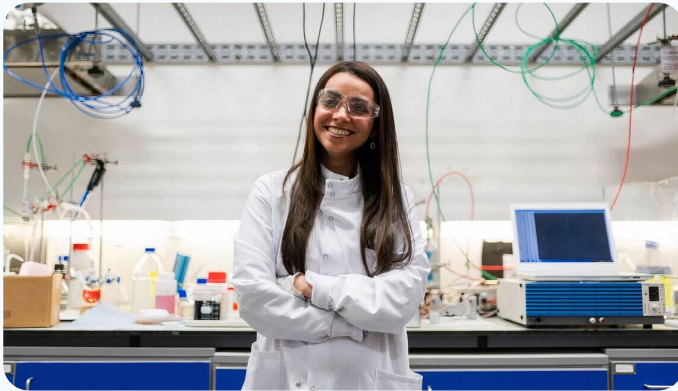
FUNCTIONALITY, INTERACTIVITY, AND DESIGN



- ✓ NFC / Mobile Devices
- ✓ Can be Over Molded
- ✓ Visually Appealing

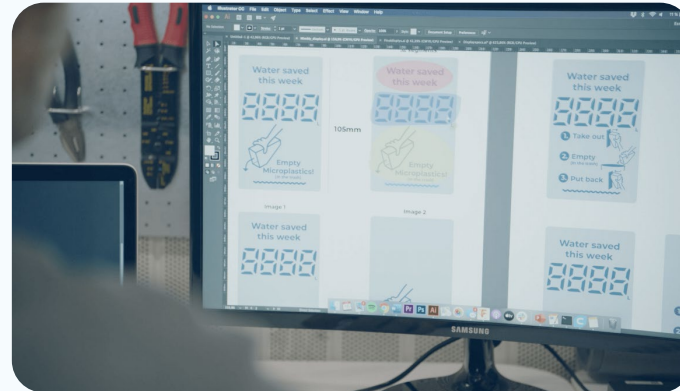
SERVICES

FROM IDEA TO MASS PRODUCTION



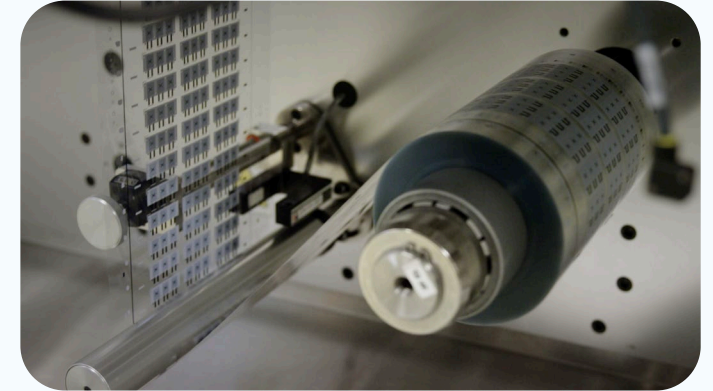
R&D AND SOLUTIONS

DISPLAY DEVELOPMENT, PRINTED AND HYBRID ELECTRONICS, AND PRODUCT SOLUTION DEVELOPMENT.



PROTOTYPE PRODUCTION

RAPID AND COST-EFFECTIVE PROTOTYPE PRODUCTION WITH YOUR CUSTOMIZED DISPLAY DESIGN



VOLUME PRODUCTION

MASS PRODUCTION OF PRINTED DISPLAYS AND CONTRACT MANUFACTURING SERVICES

R&D AND SOLUTIONS

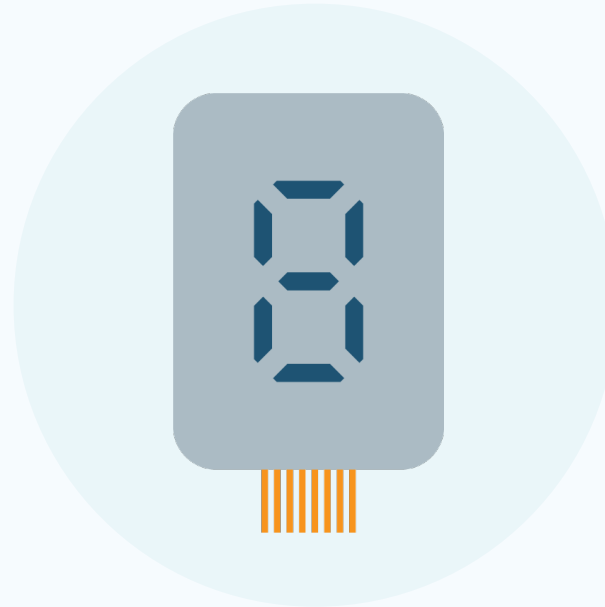
PRODUCTS, PROOF-OF-CONCEPTS, PRINTED SYSTEMS

DISPLAY R&D

OPTIMIZATION OF YNVISIBLE'S DISPLAY



SHAPES & COLORS
TOUCH INTERFACE
DRIVER ELECTRONICS
LOW VOLTAGE
IRREVERSIBLE DISPLAYS



DISPLAY+

SOLUTION DEVELOPMENT WITH PARTNERS



PRINTED SENSORS
SUSTAINABLE BATTERIES
ENERGY HARVESTING
WIRELESS COMMUNICATION
SOLUTION DEVELOPMENT

PROTOTYPE PRODUCTION

RAPID AND COST-EFFECTIVE DISPLAYS WITH YOUR DESIGN



RAPID PROTOTYPING

From sketch to delivery in a few weeks



COST EFFECTIVE

Fixed fee of 2.500 EUR for customized display prototypes



DESIGN SUPPORT

We help you throughout the entire design process



VOLUME PRODUCTION

DISPLAYS AND PRINTED ELECTRONICS CONTRACT MANUFACTURING



PRINTING

Versatile printing and coating equipment



CONVERSION

Slitting, cutting, and lamination



QUALITY ASSURANCE

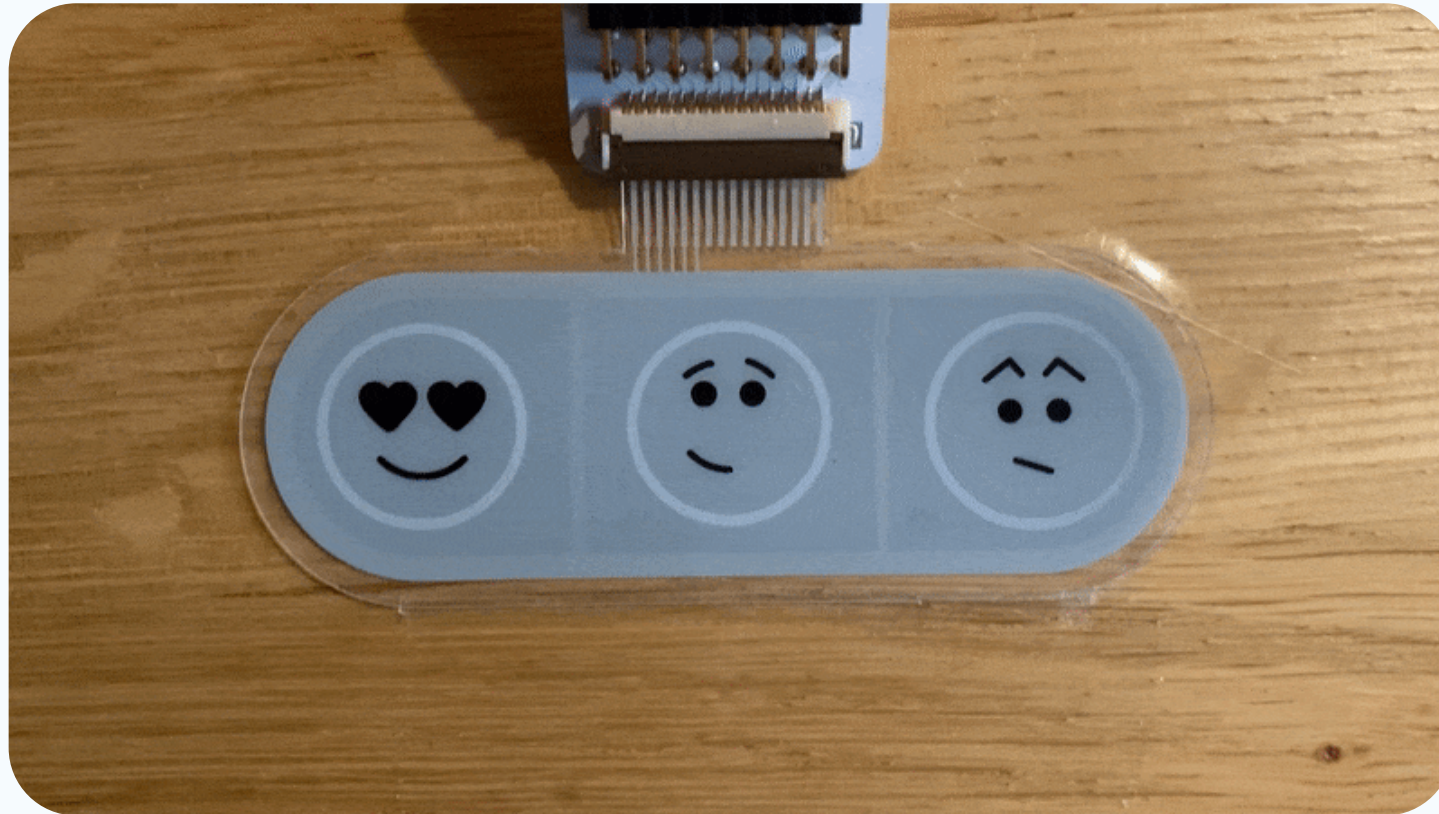
Automated electrical and optical testing

WATCH FULL MOVIE



TOUCH DISPLAYS

EVALUATION KITS COMING SOON!





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HQ, Vancouver, BC



Customer Solutions
Almada, PORTUGAL



Production
Linköping, SWEDEN



Smart Materials
Freiburg, GERMANY

- Prototyping & consulting services
- Customer training
- Products
- Printed electronics contract manufacturing services
- Technology transfer services
- Quality control systems
- Technology & product platforms
- Development services
- Licensing of IP