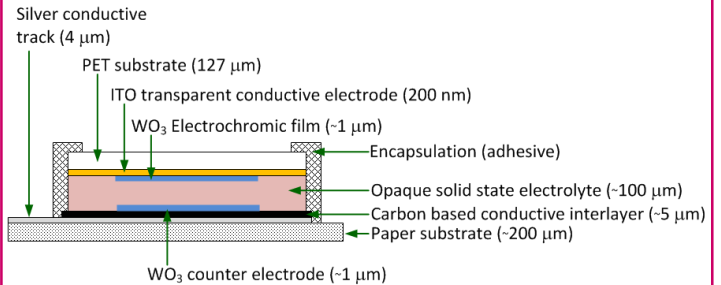


Objectives

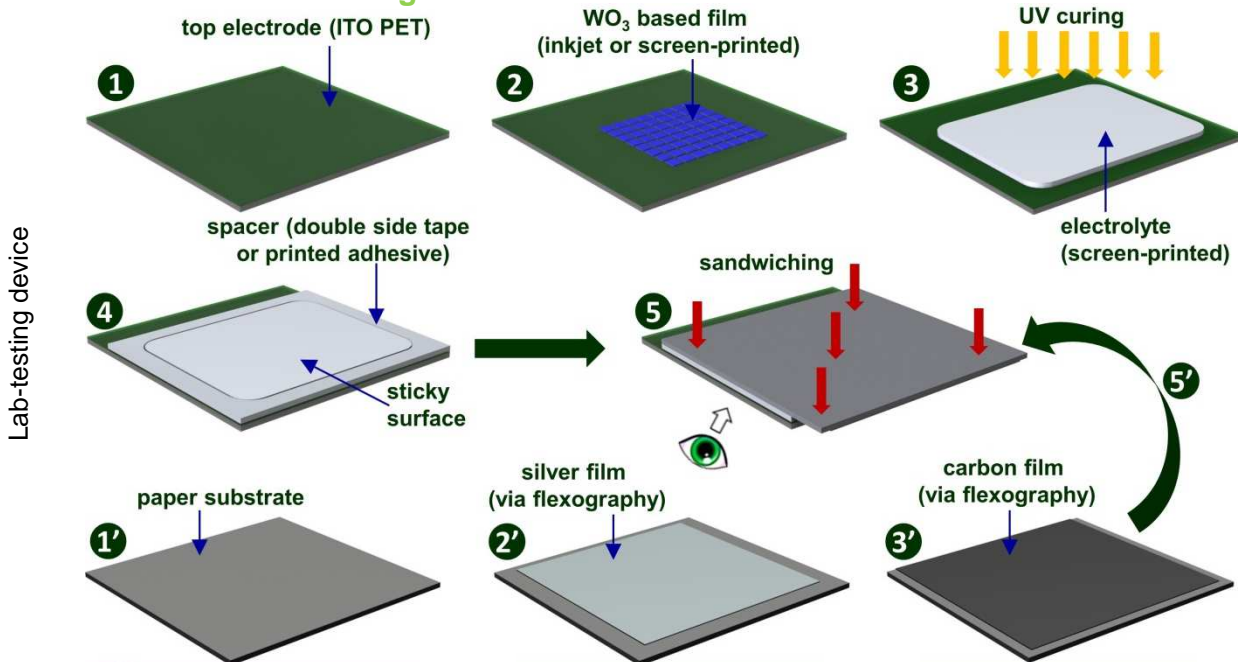
The main objective is to display visual information given by A3Ple's demonstrator

The development of materials and processes aim at: compatibility with paper technology, low cost, high performance, power efficiency, eco-friendly, and widely available solutions.

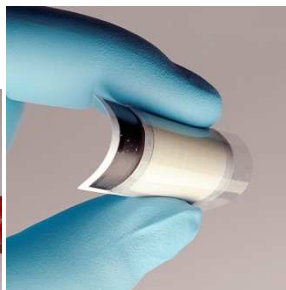
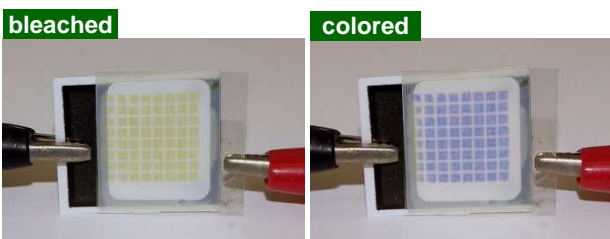
Device structure



Processes and assembling



EC display samples (lab-testing device)



Display integration



Specification

Input voltage: typically ± 2 V,
 Switching time: ~ 2.5 s,
 Optical modulation: 0.82,
 Power peak consumption for coloring: $120 \mu\text{W}/\text{cm}^2$,
 Power peak consumption for bleaching: $400 \mu\text{W}/\text{cm}^2$,

Thermal cycling: 115°C ,
 Thermal storage: 115°C ,
 Color: transparent/blue,
 Direct water contact: should be avoided,
 Resistance to bending: satisfactory,

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