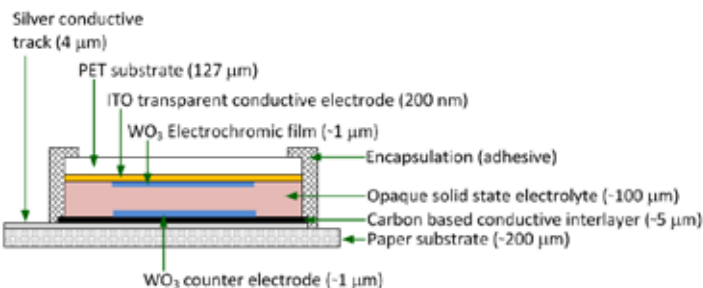


Objectives

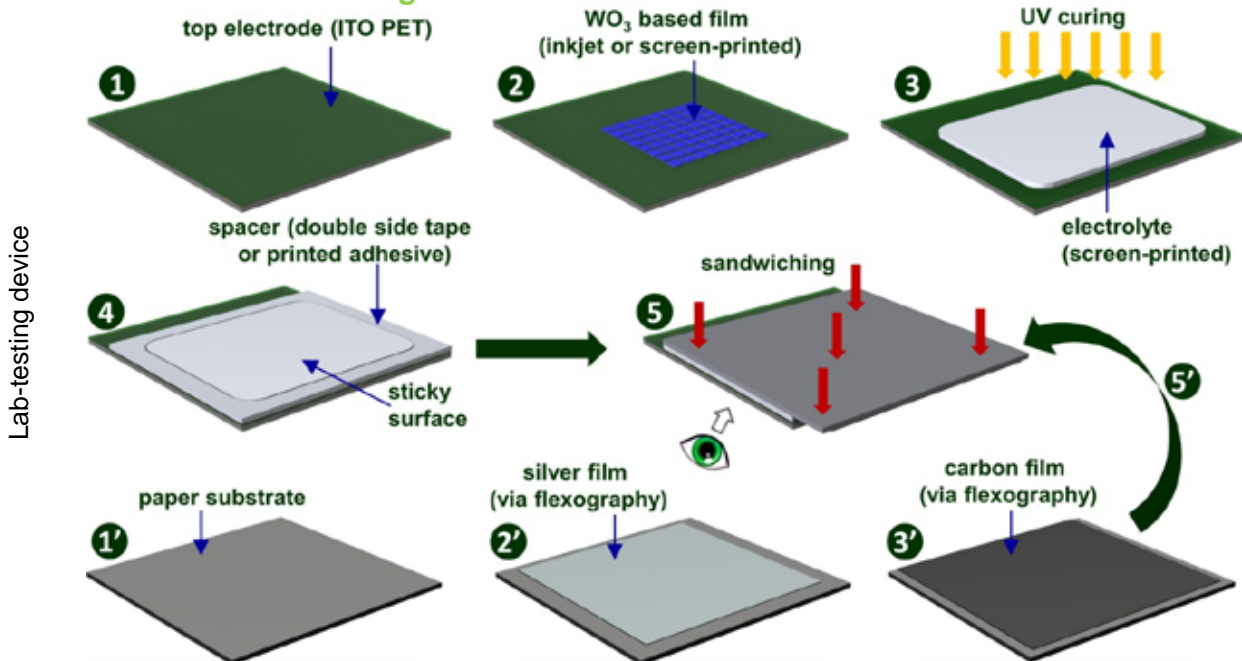
The main objective is to display visual information given by A3Ple's demonstrator

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

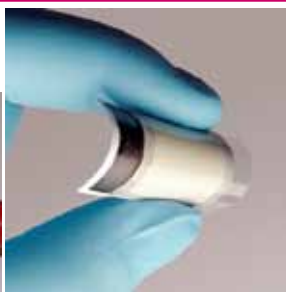
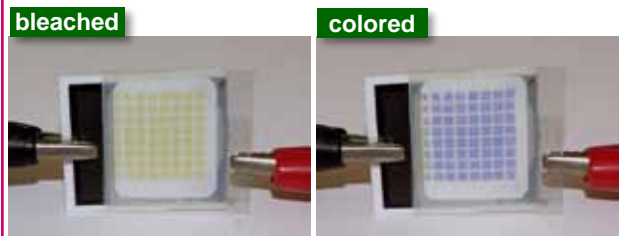
Device structure



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 [mW/cm²],

Power peak consumption for bleaching: 400 [mW/cm²],

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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