

The price of flexible screen smartphones will be cheaper

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The enemy of plastic screens is moisture and oxygen, because just a small amount of moisture is enough to ruin an OLED panel. This makes the screen sealing process not only difficult but also much more expensive.

According to *Kateeva* , this method will "*print*" a protective layer on the OLED surface. This promises to cut production costs by half. It also helps plastic screen manufacturers to integrate their "*printing*" process into mass production lines without much trouble.



In the future, flexible screen smartphones like LG G Flex will flood the market?

In addition, the integration of touch into the plastic screen also faces great challenges. Traditional methods using ITO (*indium tin oxide*) electrodes are not suitable on flexible screens. *Canatu* , based in *Helsinki* , Finland, offers a solution to use carbon nanotubes instead of ITO electrodes. These carbon nanotubes have better conductivity than conventional nanotubes because they significantly increase screen durability.

The future of flexible screens is very bright. It is possible that in just a few years, these flexible electronics devices will flood the market with much cheaper prices than they are now. In the near future, Samsung is planning to launch the next flexible screen product called **Galaxy Note Edge** .

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