Flexible Display Application

- Larger area, easy portable, curable
- AMOLED, AMLCD ?, AM-e-paper ?, others?

Samsung SMD 2009 SID  
Flexible AMOLED

Samsung 2011 CES  
Flexible AMOLED

Samsung 2011 CES  
Flexible AMOLED

**Samsung Going Massive Production For Flexible AMOLED Displays In 2012**

Samsung want to introduce smartphones, wrist watch with these flexible displays in 2012. Samsung’s been a frequent source of frustration, teasing us with its fabulous flexible displays for years, while never giving us a date when we could buy one for our very own. To reach that goal Samsung Mobile Display sets up a joint venture with Ube Kosan to mass-produce bendy AMOLEDs for watches and phones.
Flexible AMOLED Need?

Samsung FOLED stacking

Flexible Encap

Flexible Electronics?

Flexible Connector

Elastic Material

Samsung flexible AMOLED

Foldable AMOLED Display

Samsung folded AMOLED

Wang Yu Wu, Photonic, NCUE
**Samsung galaxy skin** Coming soon 2012 Q2?

**NOKIA** flexible screen concept

**AUO** 2011 PIDA Award oxide TFT+OLED  **AUO e-paper** 2011 CES OTFT+epaper

**Sharp** 2012 Oxide TFT+OLED

**ITRI** 2011 Demo a-TFT+OLED  "transparency," (AMOLED)

They gain the Wall street Award

Wang Yu Wu, Photonic, NCUE
Flexible Electronics Application

- E-skin
- Sheet scanner
- Printed rectifier
- Smart tag
- 電子針灸