Fundamentals of Touch Technologies and Applications

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NextWindow                  AGI

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  - Analog Resistive [7]
  - Surface Capacitive [6]
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- Touch Technologies with Patterned ITO
  - Analog Multi-Touch Resistive (AMR) [8]
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Blue: Abbie Gregg
Red/Black: Geoff Walker
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About NextWindow

NextWindow
- Develops & manufactures optical touchscreens
- Currently focused on two touch-screen markets
  - Windows-7 consumer monitors and all-in-one computers
  - Large-format display applications such as interactive digital signage
- Global presence
  - New Zealand (HQ), Singapore (Ops), USA, Taiwan, Korea, Japan
  - Manufacturing in China, Thailand and Malaysia
  - 119 employees, 55 in engineering
- Brief history
  - 2000: Founded by CTO and private investors
  - 2003: First product to market (optical touch for large displays)
  - 2005: Entered USA market
  - 2006: First major volume contract signed (HP TouchSmart AiO)
  - 2008: Entered Taiwan market with ODM focus
  - 2009: Engaged with many PC OEMs & ODMs on Win-7 products
  - 2010: Acquired by SMART Technologies
About Abbie Gregg, Inc.

• AGI provides facility, process, industrial, and operations consulting engineering and design services

• Industries served
  • Microelectronics
  • Semiconductor
  • Flat-Panel Display
  • Flexible Electronics
  • Touch Screens
  • Photovoltaics
  • Disk Drive
  • MEMS
  • Nanotechnology
  • Biotechnology
  • Medical
AGI Background

- Started in 1985
- Based in Phoenix, AZ
- 650+ projects completed in North America, Europe, Asia, the Middle East and Australia
- 40+ FPD, flexible electronics and touch projects completed
WE’RE SORRY, BUT…

Because this SEMICON short course was a joint presentation by Geoff Walker and Abbie Gregg, permission to download the complete 312-slide file must be obtained from both authors.

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