ASU Flexible Display Center

ARIZONA STATE UNIVERSITY

THE FLEXIBLE DISPLAY CENTER AT ARIZONA STATE UNIVERSITY

The U.S. Army established the Flexible Display Center at ASU in February 2004 to spearhead the next revolution in information displays. The Center is a partnership where academia, industry, and government collaborate on rapid technology development, innovation and integration to create a new generation of innovative displays that will be flexible, lightweight, low power, and rugged. These revolutionary displays will usher in a new era of powerful real-time information sharing through ubiquitous commercial and military application in everything from portable pocket-held and vehicle-mounted devicesto permanent and temporary conferencing/command rooms.

THE FACILITY

A world-class resource located in the heart of Greater Phoenix, The Flexible Display Center at ASU is a one-of-a-kind facility. Within its 250,000 square-foot capacity, the Center includes 43,500 square feet of advanced clean-room space, 22,000 square feet of wet/dry laboratories and extensive office and meeting areas. The Facility is reconfigurable to provide secure space for proprietary programs, with ample capacity to accommodate a specific company's tools, components, production requirements and specifications.

shaping information

http://flexdisplay.asu.edu

Center Partnership

- Unique, Collaborative Partnership Model
- Leading Edge Technologies
- ASU's World Class Facility and Emerging Leadership

Manufacturing Technology

- 6" Wafer Scale TFT Pilot Line
- GEN II TFT Production Pilot Line
- Advanced Process Tool Development
- Manufacturing Process Optimization
- Display Design and Characterization
- OLED and OTFT Development Laboratory

Display Technology

- Impermeable Flexible Substrate Systems
- Flexible Backplane Electronic Systems
- Encapsulated Electro-optic Systems
- Integrated Display System Devices

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Flexible Display Center

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US ARMY RDECOM

Sunic system

dpix

EVG

hp invent

UNIVERSAL DISPLAY CORPORATION

Henkel

L3 communications Display Systems

E·INK

ITO

DuPont Teijin Films

POC Physical Optics Corporation

BAE SYSTEMS

PLEXTRONICS Light. Power. Circuitry.™

LG Display

Etched In Time, Inc. Since 1983

Honeywell

CYTEC

mocon

UTD

FlexTech Alliance

AKT

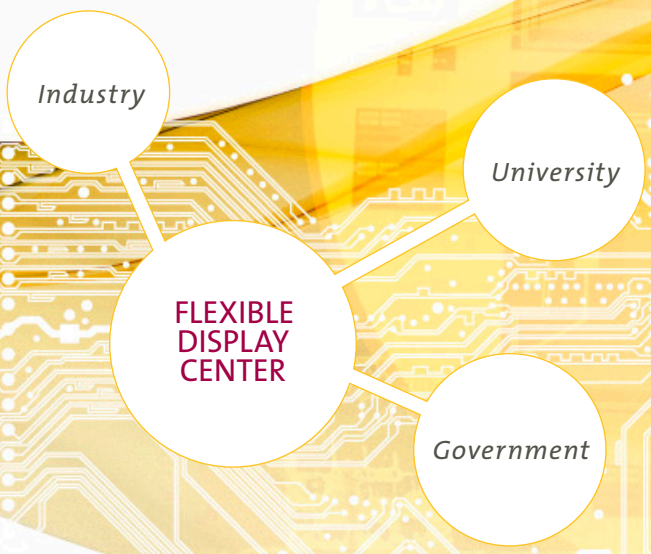
Raytheon

CORNING

Oregon State University OSU

KOLON

petec ...the future inspired



The FDC is a government–industry–academia partnership that's advancing full-color flexible display technology and fostering development of a manufacturing ecosystem to support the rapidly growing market for flexible electronic displays. FDC partners include many of the world's leading providers of advanced display technology, materials and process equipment. The FDC is unique among the U.S. Army's University centers, having been formed through a 10-year cooperative agreement with Arizona State University in 2004. This adaptable agreement has enabled the FDC to create and implement a proven collaborative partnership model with more than 20 engaged industry members, and to successfully deploy world-class wafer-scale R&D and GEN II display-scale pilot production lines for rapid flexible display technology development and manufacturing supply chain commercialization.