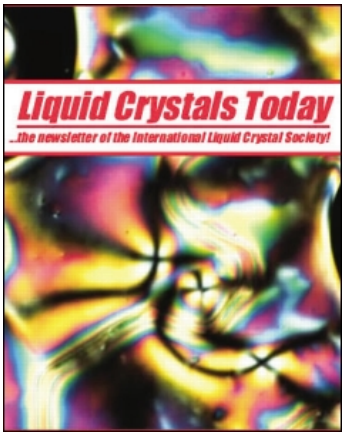

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Xerox launches new company with advanced liquid crystal technologies

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COMPANY NEWS

Xerox launches new company with advanced liquid crystal technologies

dpiX is a Xerox New Enterprise company whose mission is to develop new products that will vastly improve information collection and presentation. A spin-off business venture from the renowned Xerox Palo Alto Research Center (PARC), dpiX designs and manufactures high-resolution digital viewing and image capture products based on thin-film transistor (TFT) technology initially developed at PARC.

dpiX is best known for demonstrating 7-million pixel active-matrix liquid crystal display (AMLCD) prototypes with image quality that emulates the laser-printed page (see illustration). Additionally, dpiX has produced an industry-leading 41p/mm image sensor system that rivals the image quality X-ray film.

At its facility located in Palo Alto, California, dpiX designs and manufactures high-fidelity, flat panel displays and large-format image sensor arrays based on active-matrix, TFT technology. The company's flexible manufacturing strategy that dpiX employs allows for the timely production of high-performance products that can be tailored to customer-specific applications. dpiX is a rapidly growing subsidiary of Xerox Corporation and employs approximately 140 people.

Currently, dpiX display products are being used for military avionics applications, a field with challenging requirements including high-resolution, durability, sunlight readability, and high-temperature operation. To meet the specific performance requirements, dpiX has entered into a strategic partnership with Planar Advance, Inc., of Beaverton, Oregon.

Just recently, dpiX was awarded a new $2.75 million contract by DARPA to develop high-resolution, reflective-mode display technologies that could provide land warriors on the battlefield with digital maps, real-time video and other strategic and tactical information. Technologies developed under the two-and-a-half year DARPA contract could also be used in creating the next generation of commercial portable devices, including digital books and hand-held movies.

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NEW PRODUCT INFORMATION

Sharp develops the world's largest 40 inch colour TFT LCD

The super-large direct-viewing colour TFT LCD created with Sharp's advanced larger mother glass and seamless joint technologies

OSAKA, JAPAN – Sharp Corporation, a major comprehensive electronics manufacturer, has developed and manufactured on a trial basis the world's largest direct-viewing 40 inch colour TFT LCD by applying its advanced seamless joining technique for joining LCD panels to enable the creation of high-quality large-screen displays. Sharp introduced this new 40 inch (1 m) SVGA-format model as a larger and upgraded successor to the 28 inch (70 cm) VGA-format model it manufactured on a trial basis last year.

With this breakthrough, Sharp has succeeded in developing the first truly large-size high-definition TFT LCD that enables a high-contrast display, with vivid-colour reproduction, and a high-speed response, as well as other features including a low-voltage drive and low-power consumption.

Sharp's 40 inch colour TFT LCD.