

MICROFAB at 25!

MicroFab Celebrates 25 Years of Innovation in Digital Microdispensing Technologies

MILESTONES

1988 Developed manufacturing of first medical diagnostic test using ink-jet, for Abbott Labs; over \$4B in product shipped.

Demonstrated the use of ink-jet in printed electronics.

1991 Developed & patented high density, integrated array ink-jet printhead with spot size modulation for Compaq/HP.

1994 First to ink-jet deposit DNA microspot array.

Demonstrated & patented ink-jet printing of molten solder.

1995 Demonstrated & patented ink-jet printing of micro-optical elements.

1997 First to ink-jet print nano-metal inks and live cells.

Developed & patented ink-jet precision vapor generation for medical diagnostics, virtual reality, and calibration of explosive & drug detectors.

1998 First to ink-jet PLED and phosphors for displays.

1999 First to ink-jet print structures for tissue engineering.

Launch of highly successful Jetlab® Printing Platform family.

2000 First to ink-jet print carbon nanotubes.

2003 First to ink-jet print organic solar cell.

First OFET display backplane, fabricated using MicroFab equipment.

2004 R&D 100 award for Shimadzu's Chemical Ink-Jet Printer (proteomics), with MicroFab components as the key technology.

2006 Drug coated stent, manufactured using MicroFab equipment, approved in Europe.

2009 Delivered Jetlab® to NIST with integrated, automatic calibration for printing explosives detector standards.

- Dealer network established that includes UK, France, Japan, China, Taiwan, Korea, Singapore, Thailand, & India.

MicroFab issued 42nd patent, inventors on 27 customer patents.

JetLab Printing Platforms installed in premier national research organization in US, China, Russia, Taiwan, India, Singapore, Argentina, & Saudi Arabia.

