



FUJIFILM Dimatix Operations by Location



California:

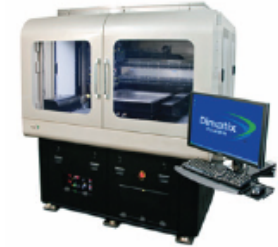
- Headquarters
- Technology Development Center
- Wafer Fab (MEMS) production
- Material Deposition Printer Assembly & Test

New Hampshire:

- Printhead Assembly & Test
- Analytical Testing
- Integration Solution Development
- Marketing & Customer Support



DMP systems



MODEL	DMP-2800	DMP-3000	DMP-5000	DMP-5005
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DMC-11601	DMC-11610	D-128/1 DPN	D-128/10 DPN	SX3	SE-DPN	SE3
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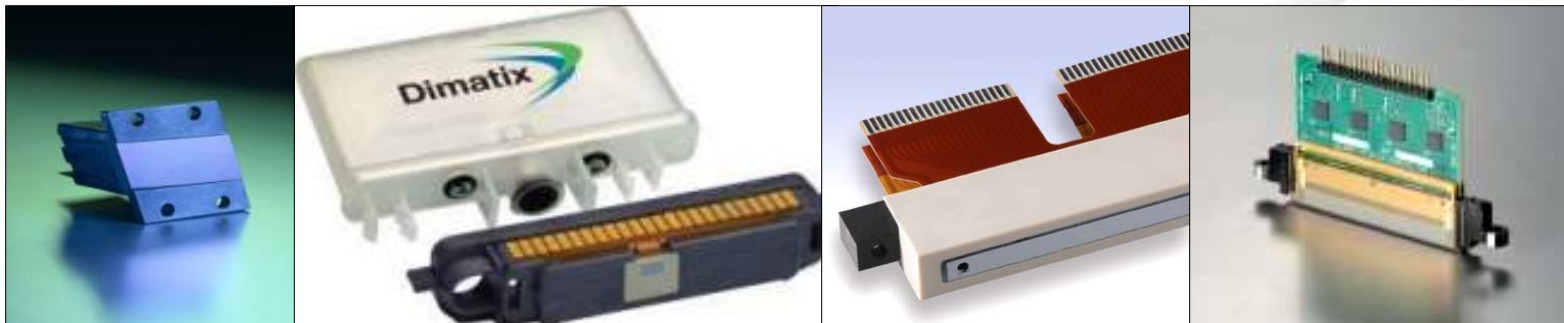
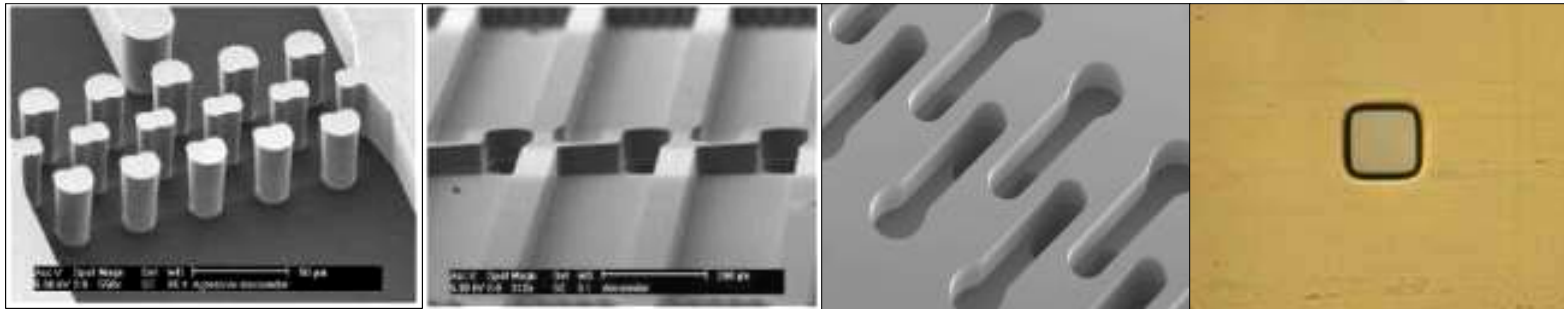
How does Dimatix technology compare to others?



- Nozzle technology
 - Silicon
 - Electroformed Ni/Au
 - Stainless Steel



How is Dimatix Different? Silicon MEMS Implementations





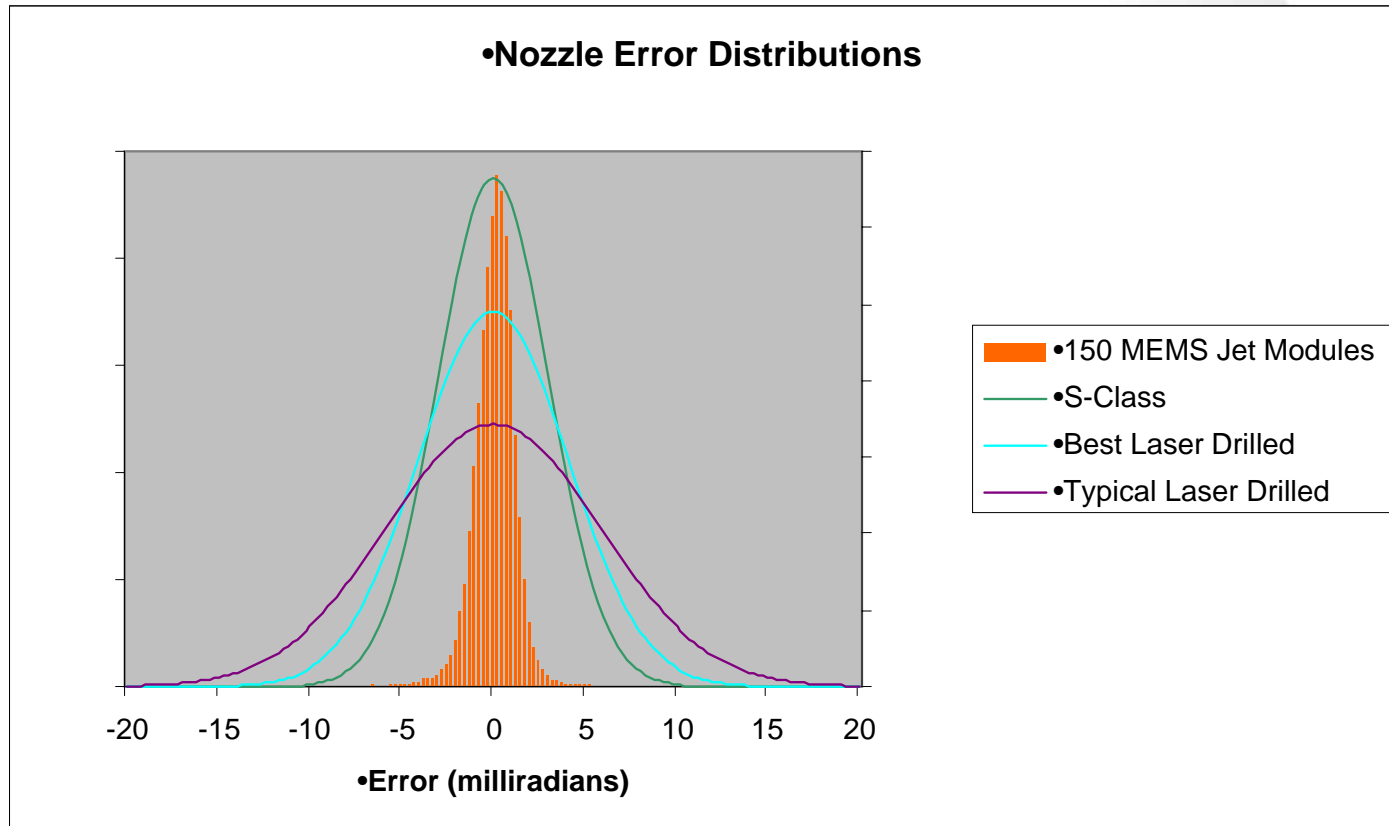
How does Dimatix technology compare to others?



- Highest frequency performance
 - Typical Dimatix range 20kHz – 60kHz, Samba technology 100kHz
 - Competition – 6kHz – 25kHz
- High temperature capability – 125 deg. C
- Best Fluid Compatibility – Aqueous, solvent, UV, Hot Melt



Silicon MEMS Jet Straightness Benefits



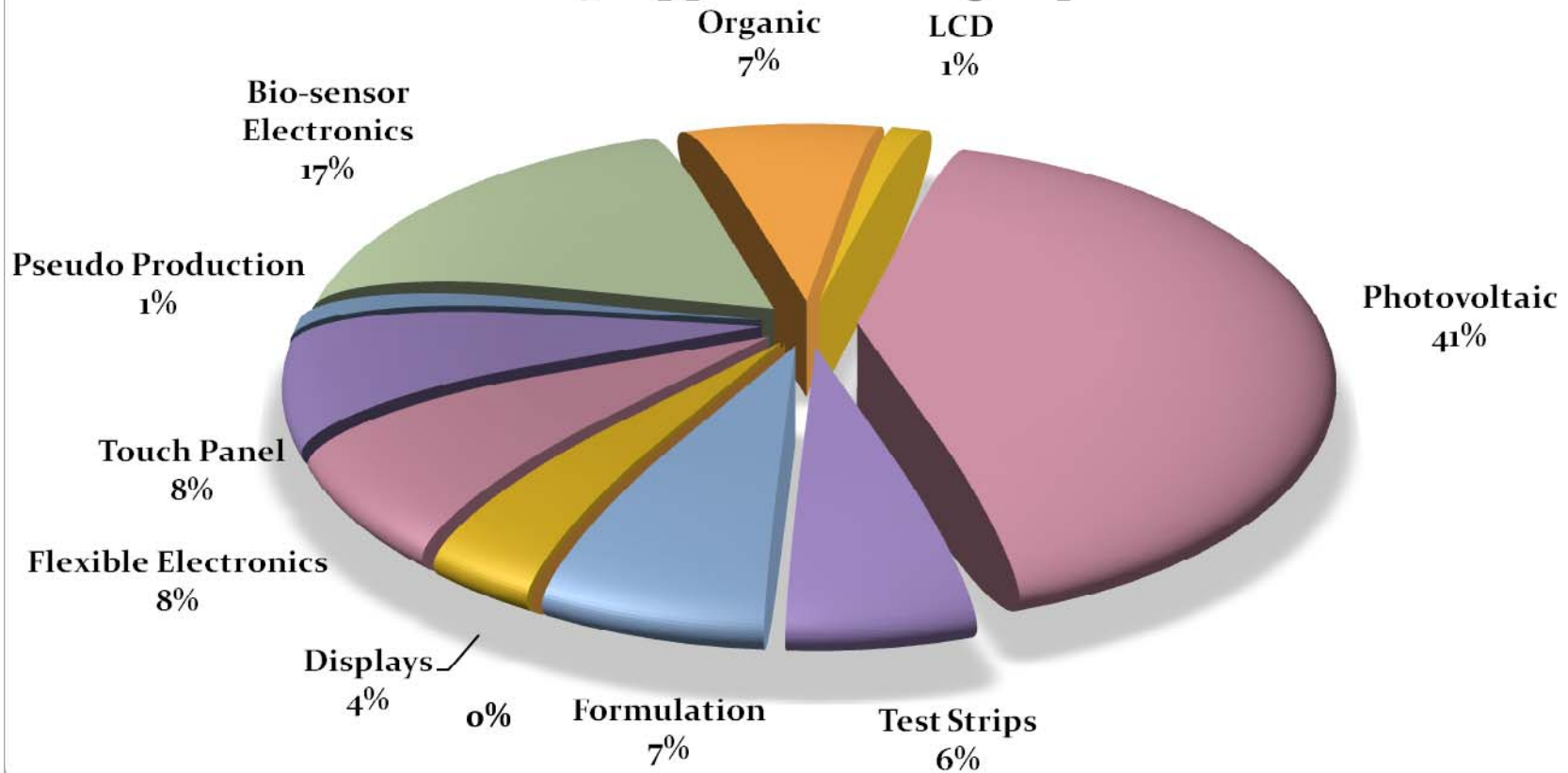
- Delivers exceptional drop placement accuracy
- Increased throw distance



DMP Usage Combined



DMP-2831 Application Usage Updated





Sample Markets





FUJIFILM Dimatix Printhead Clusters Platforms





Dimatix Merlin™ Controller Platforms

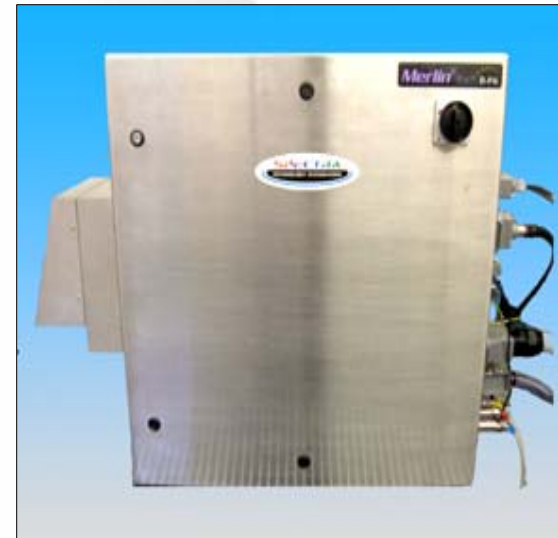


Merlin FG

SID 2012 Confidential



Merlin DW



Merlin D

Configurable to Drive:

- Various Head Clusters
- Various Inks
- Full Production Speeds





SAMBA Breakthrough Inkjet Technology



- Increased inkjet design know-how
 - Matrix array architecture for compact design
 - Reliable small drop ejection
 - Ink recirculation at the nozzle for temperature control and to maintain fluid viscosity
 - VersaDrop jetting technology applied to small drops
 - Maintenance friendly design
 - Low voltage requirement
- Enhanced MEMS manufacturing capability
 - Higher feature precision
 - Increased channel-to-channel uniformity
 - Broader range of nozzle coatings





SAMBA Technology



- Joint Collaboration between FUJIFILM Corporation & Dimatix
- Significant breakthrough in single pass DOD inkjet
 - 1200-dpi resolution
 - 4-level grayscale
 - High productivity
 - 100 kHz jetting frequency
 - VersaDrop capable
 - Binary or grayscale
 - Compact & scaleable design
 - 720mm print width
 - 4 colors in < 200 mm print depth





Performance today, platforms for tomorrow

