TEKNOLOGI INKJET

Oleh :

Arief K.

08113432519

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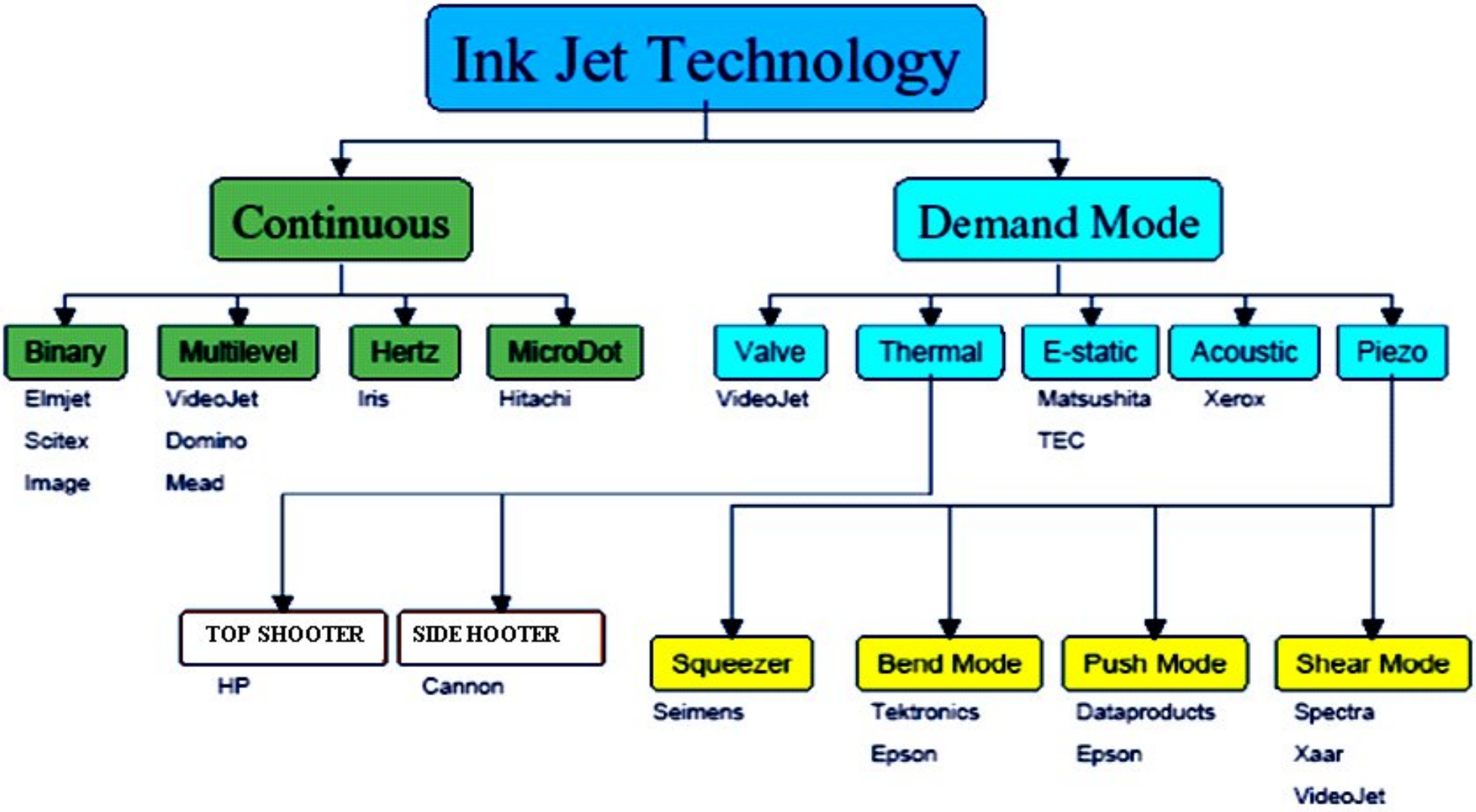
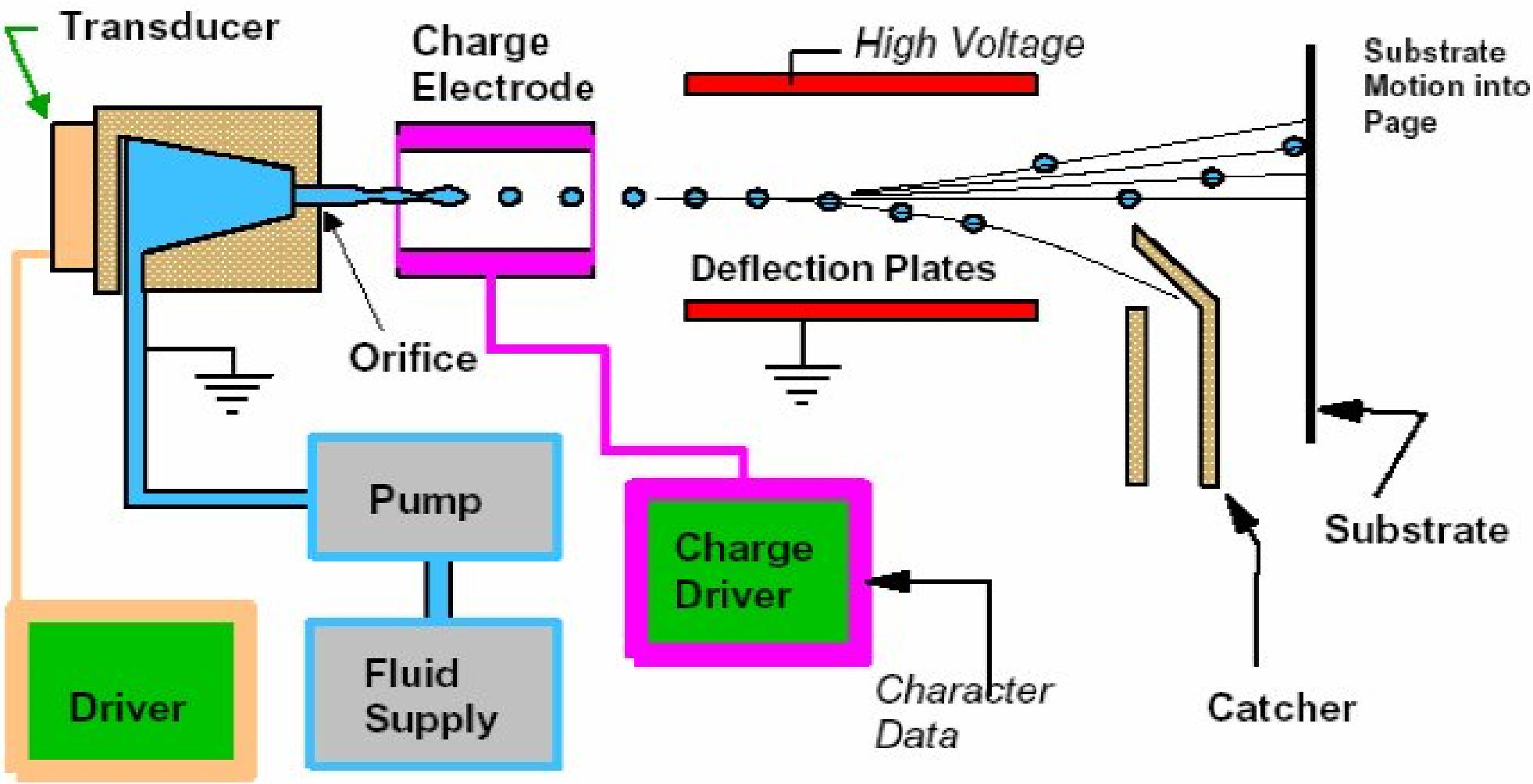
Peta Teknologi Cetak Inkjet



Inkjet Continuous



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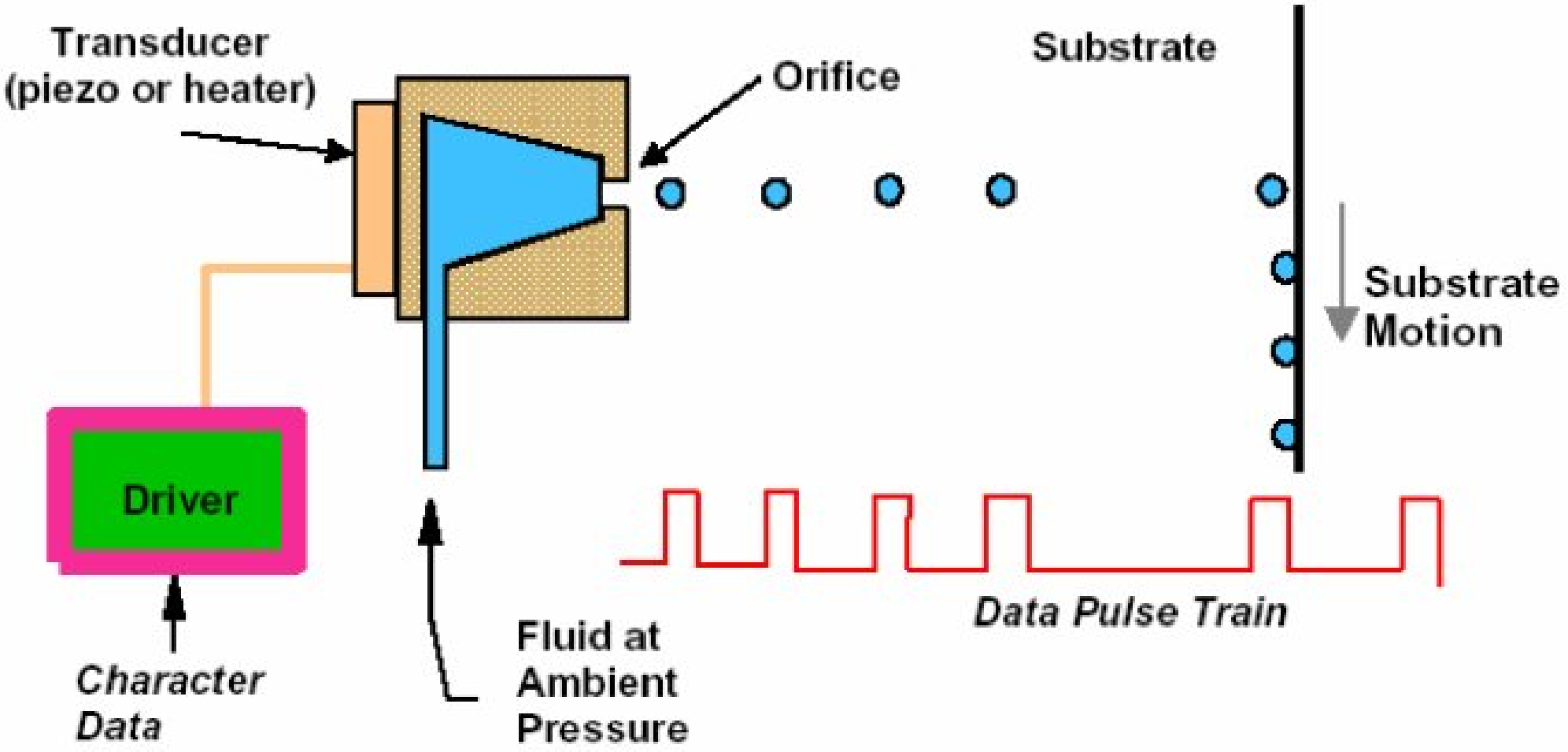
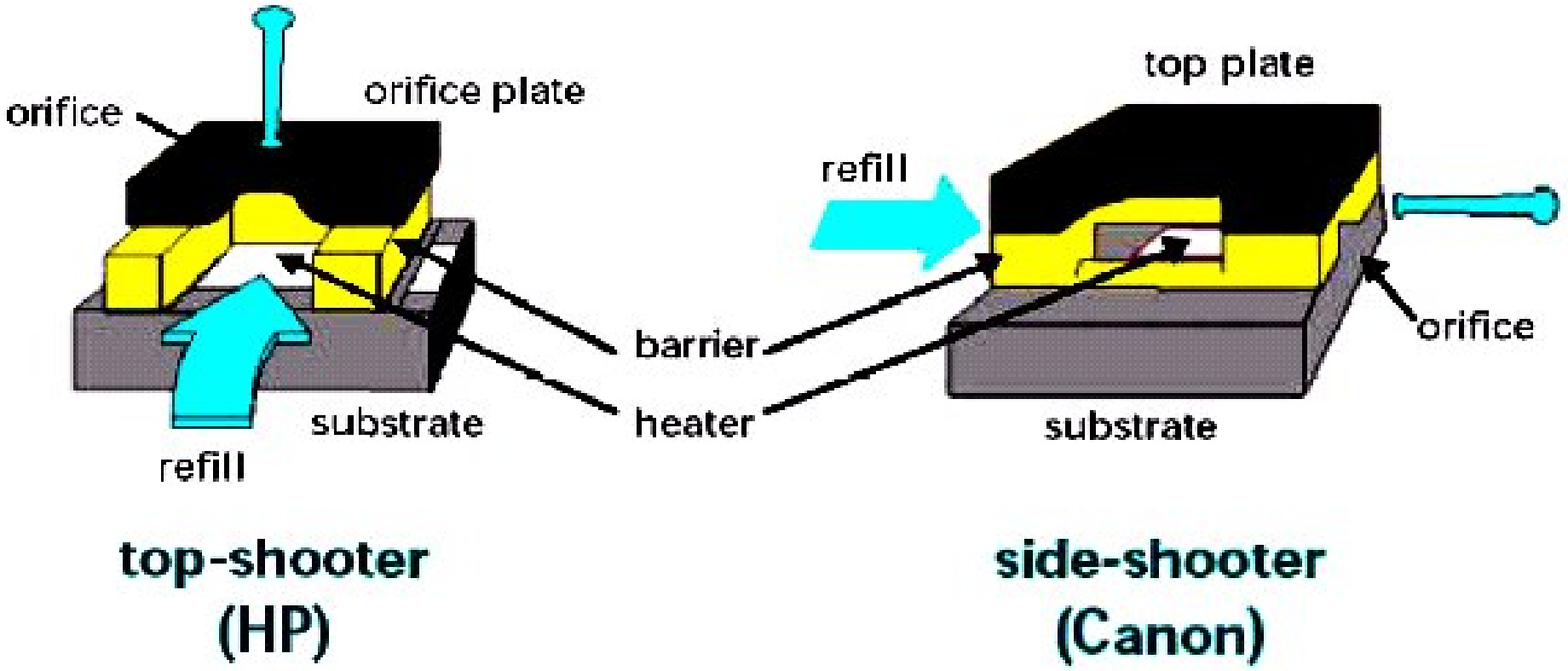
Inkjet Drop on Demand



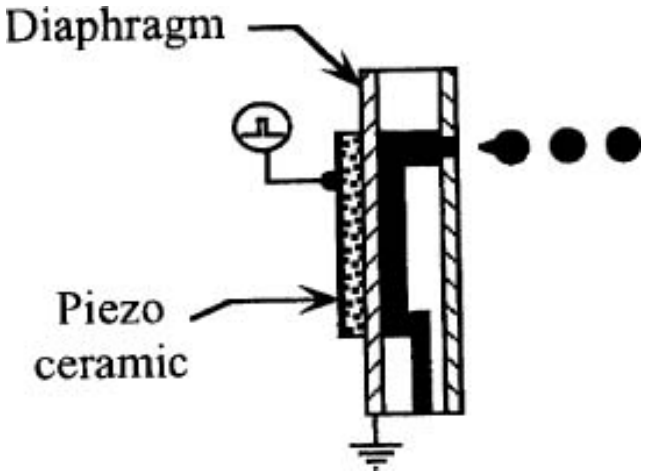
Teknologi Pabrikan

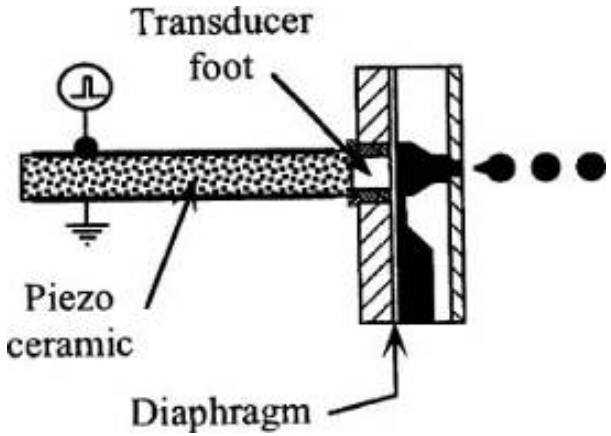
- HP → Thermal
- Lexmark → Thermal
- Canon → Thermal
- Epson → Piezoelectric

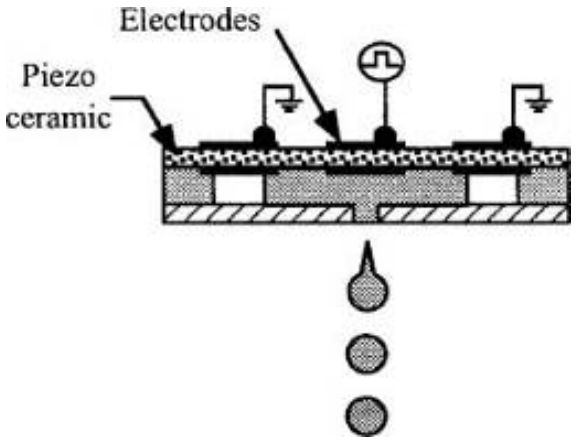
Konfigurasi Inkjet Thermal



Konfigurasi Inkjet Piezo







Bend Mode

- Tektronix
- Epson

Push Mode

- Dataproducts
- Epson

Shear Mode

- Spectra
- Xaar
- Videojet

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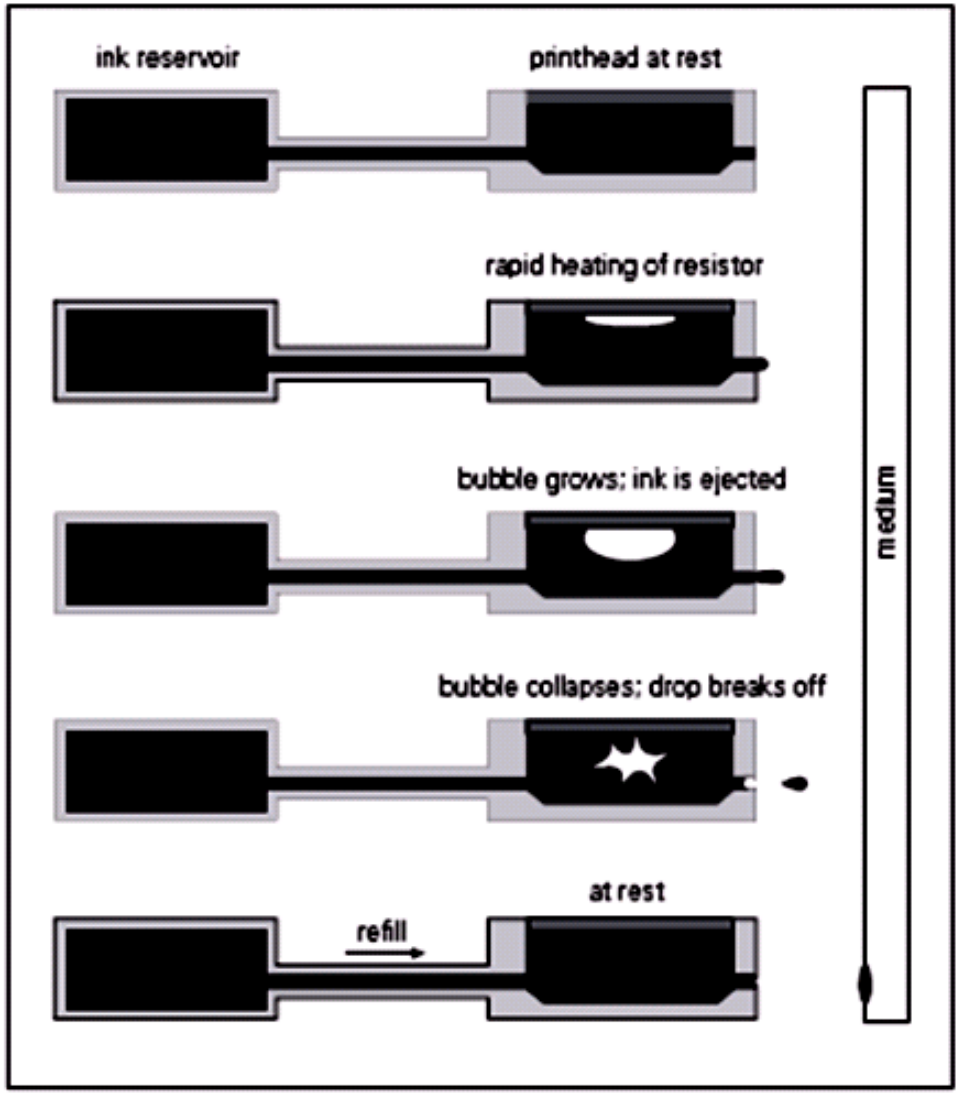
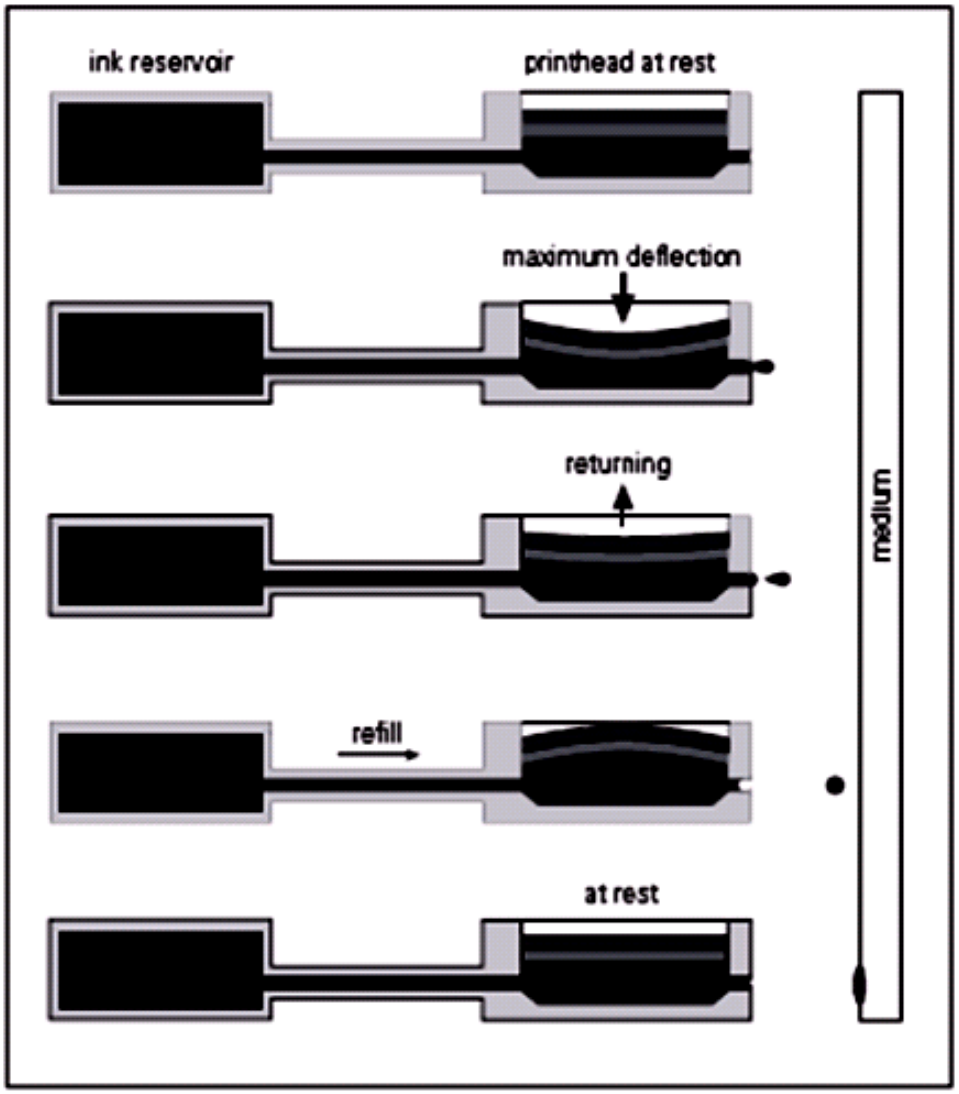
Thermal Vs Piezo



Skema printing cycle thermal



Skema printing cycle piezo

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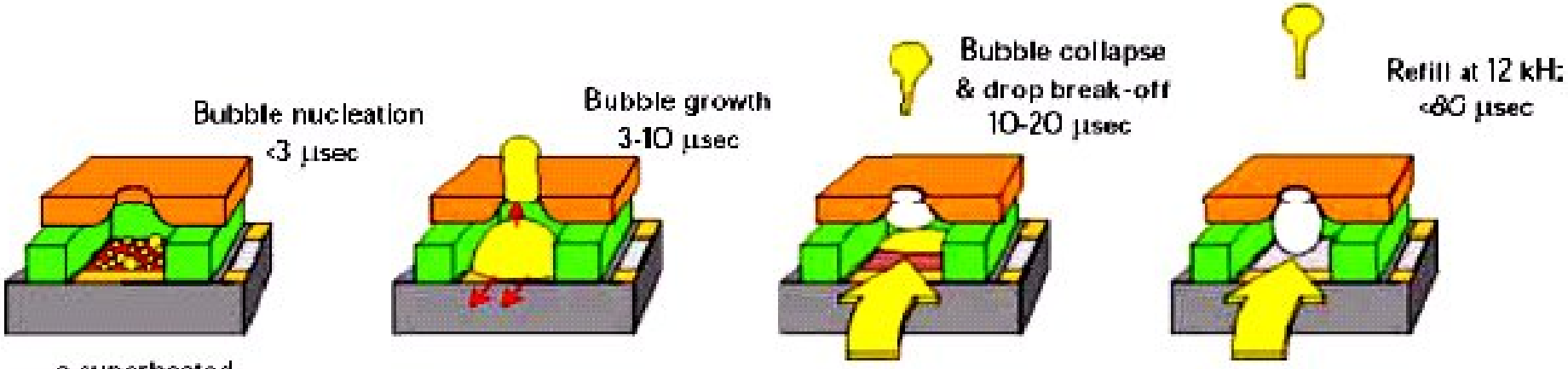
Mekanisme Pengeluaran Droplet

- ✓ an electrical resistor heats ink at more than 1,000,000 °C/second
- ✓ a film of ink about 0.1 micrometer thick is heated to about 340 °C
- ✓ a vapor bubble forms to expel the ink - it doesn't "boil"



no moving parts except the ink itself

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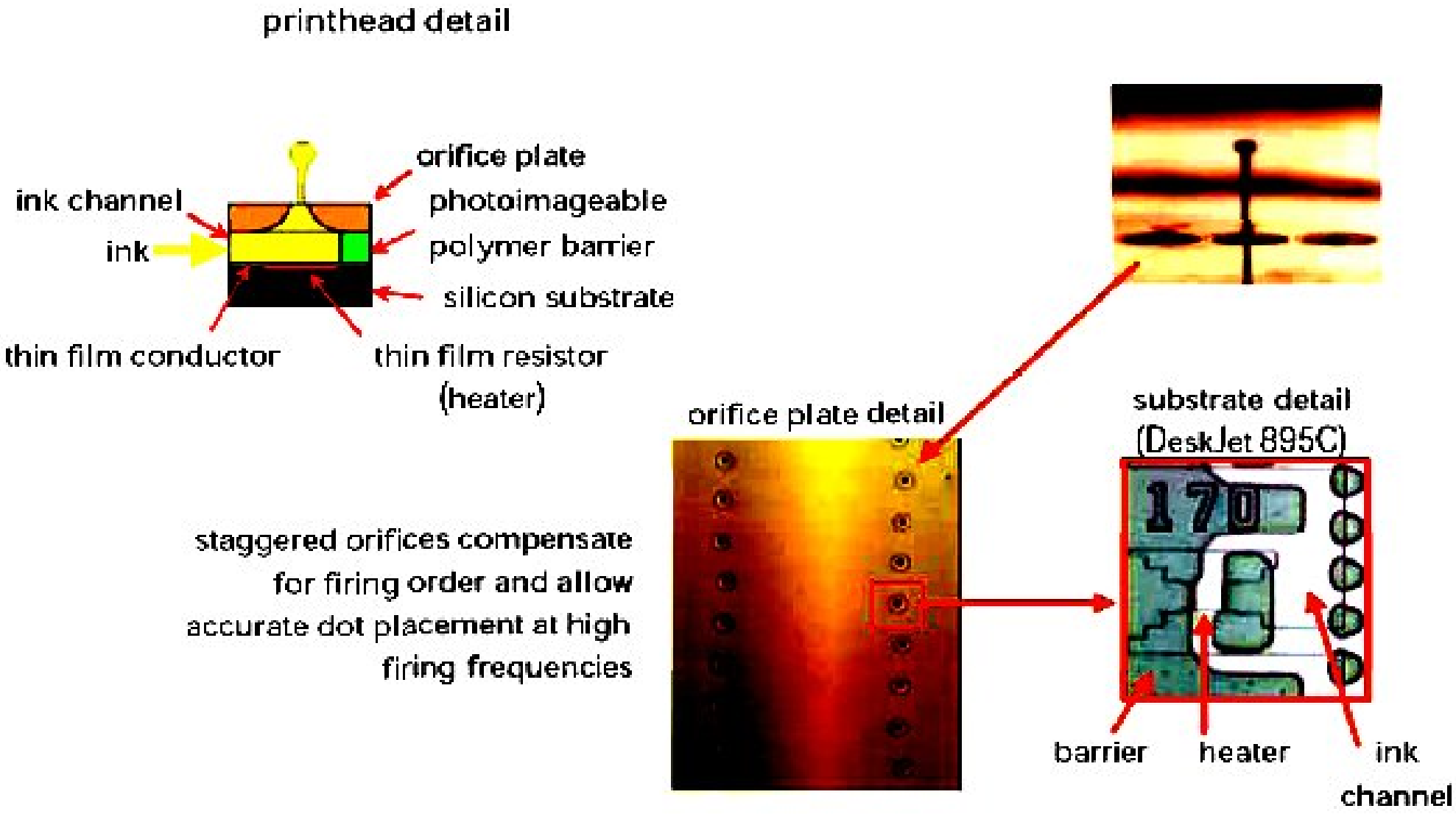
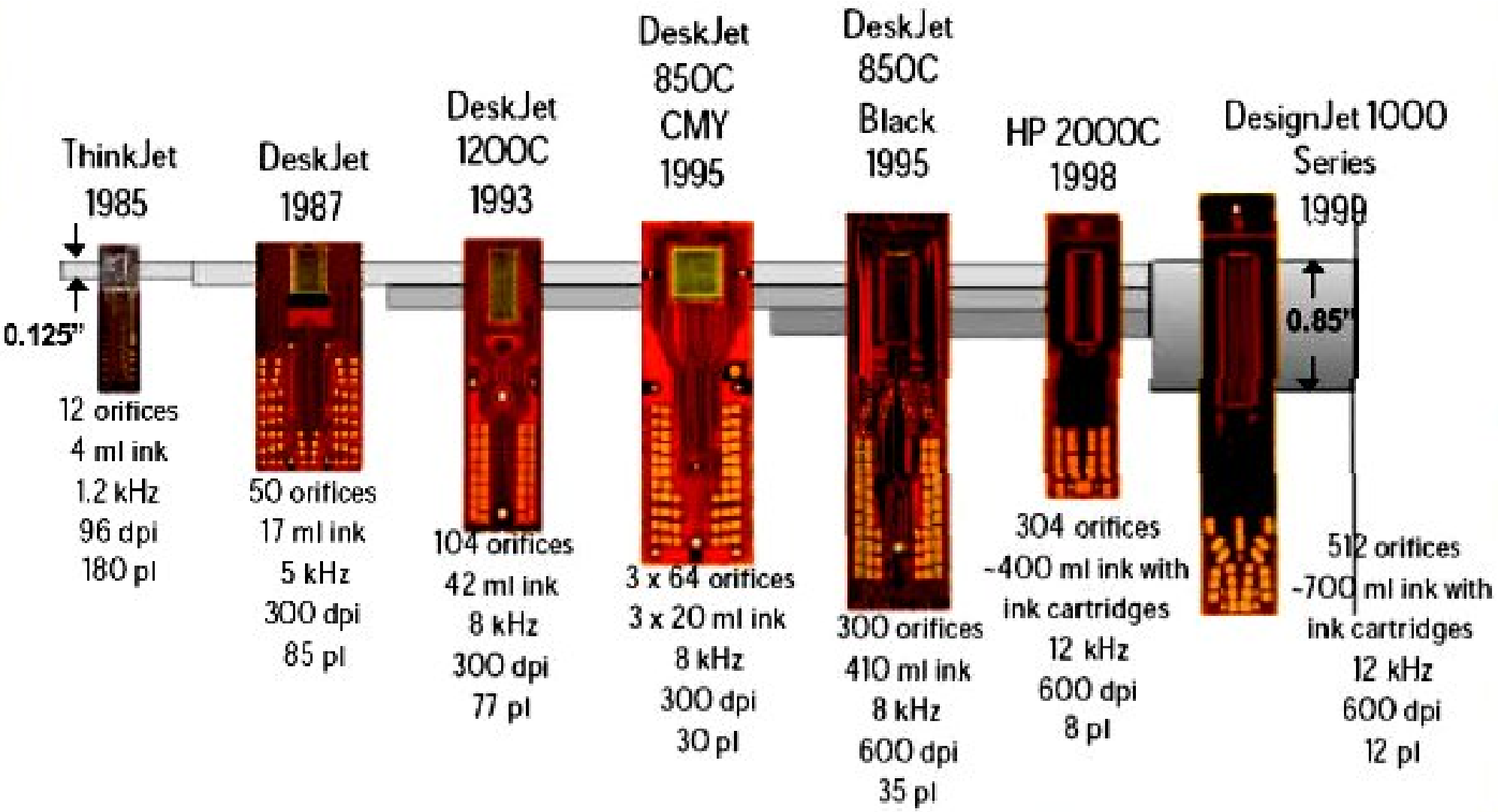
Elemen Head Printer Inkjet



Evolusi Head HP



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