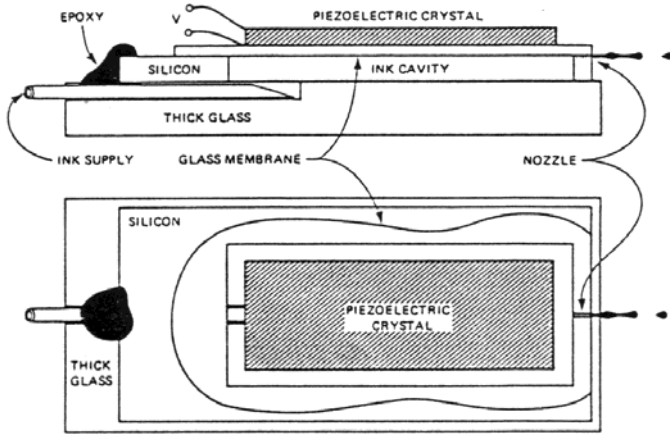
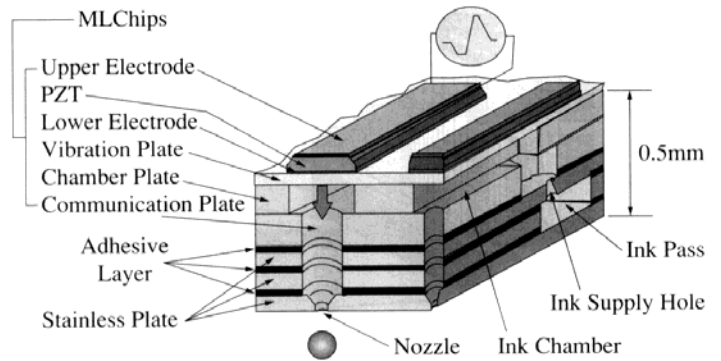


Piezoelectric / Electrostatic Inkjet Print Head



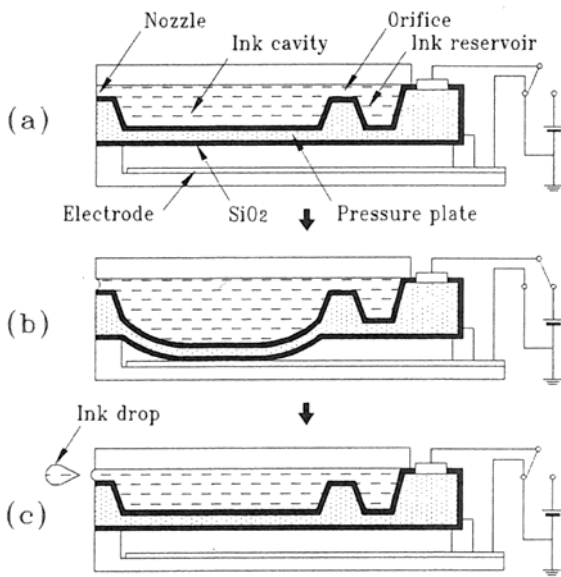
On demand Piezoelectric Ink-jet print head



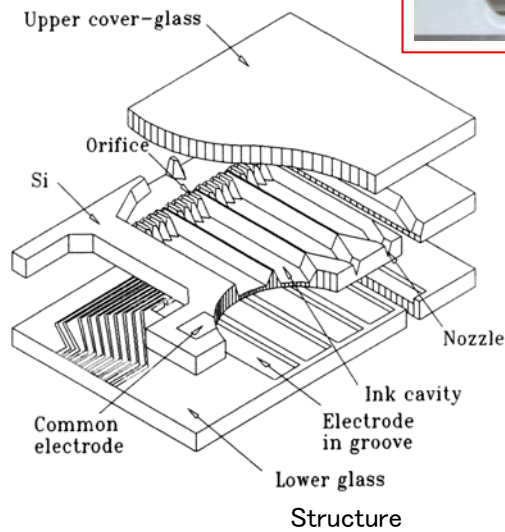
Piezoelectric Ink-jet print head (Seiko Epson)

Reference : K.P.Petersen, Fabrication of an Integrated, Planar Silicon Ink-Jet Structure, IEEE Trans. on Electron Devices, ED-26 (1979) pp.1918-1920

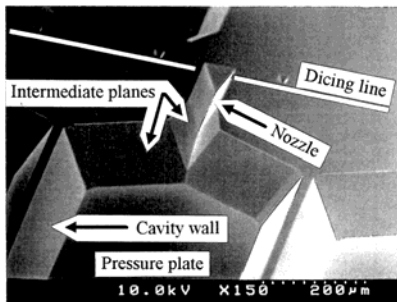
Ink-jet Head (Seiko Epson), 2003 MEMS Technology Outlook (2003) pp.71-74



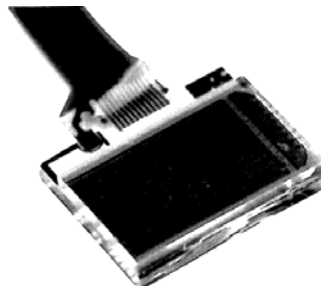
Principle



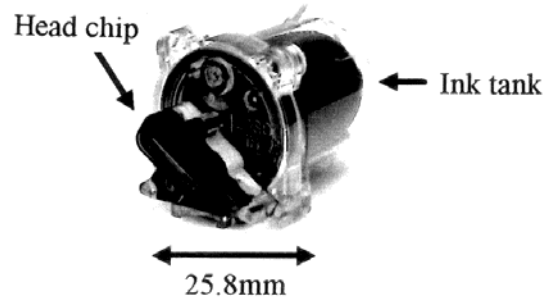
Structure



Photograph of nozzle



Head chip



Ink tank - head assembly

Electro static print head (Seiko Epson)

Reference : S.Kamisuki, T.Hagata, C.Tezuka, Y.Nose, M.Fujii and M.Atobe, A Low Power, Electrostatically-driven Commercial Inkjet Head, Proc. of IEEE MEMS (1998) pp.63-68