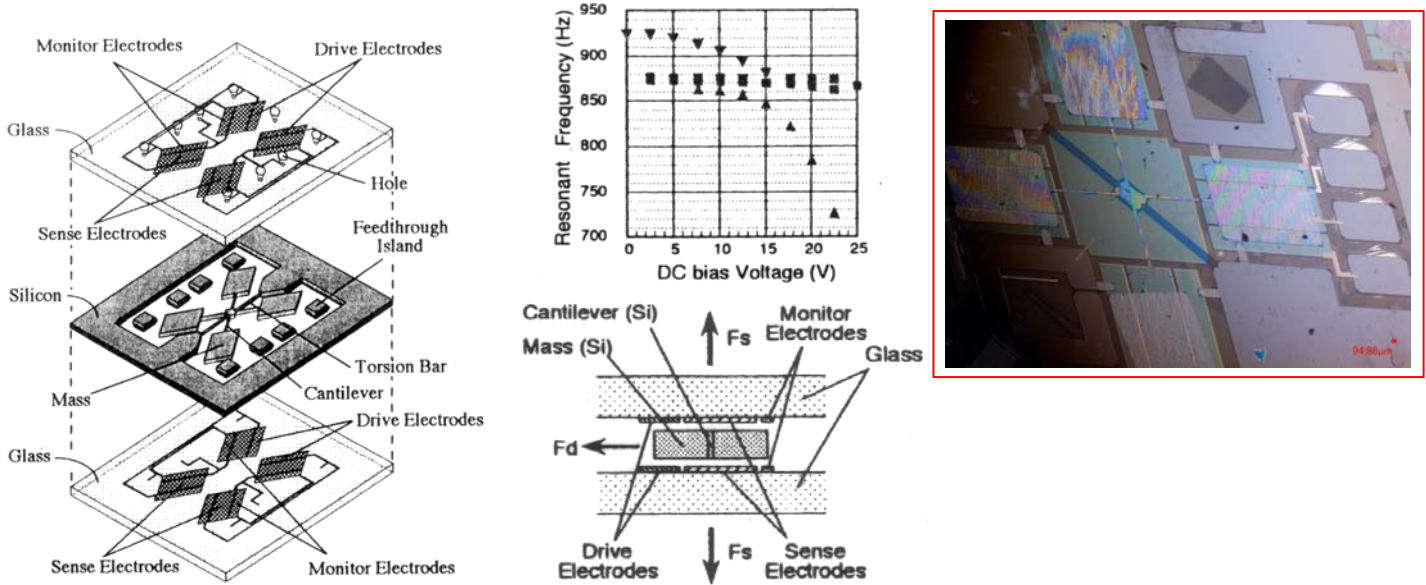
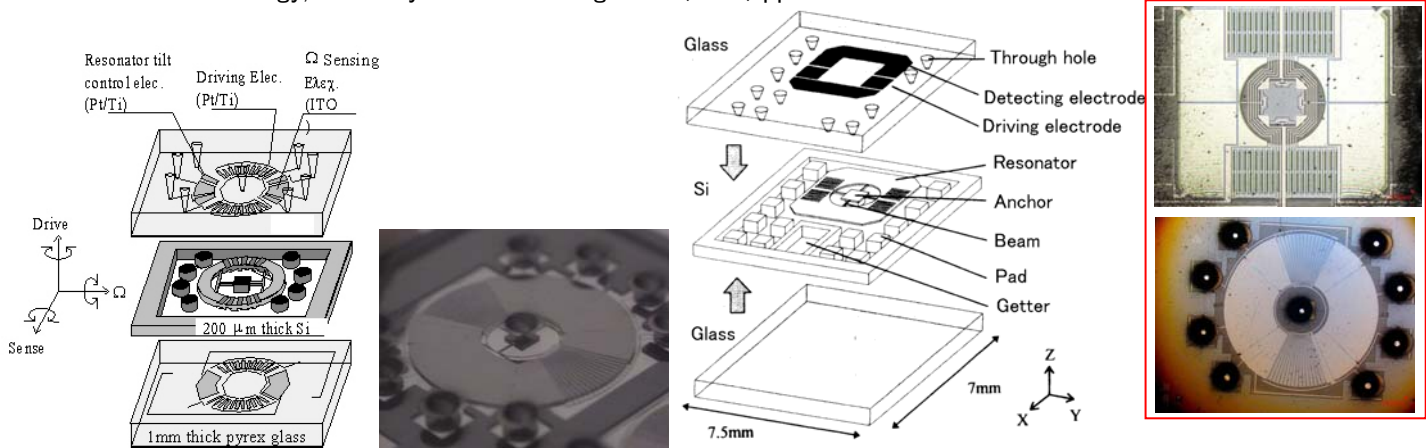


# Electrostatically Driven Capacitive Sensing Gyro



Electrostatically driven capacitive sensing gyro with electrostatic frequency tuning (Tohoku Univ. – Panasonic)

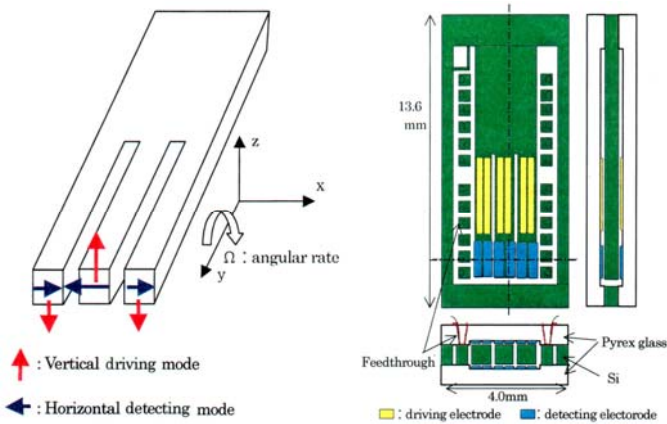
Reference : M.Yamashita, K.Minami and M.Esashi, An X-shaped Tuning Fork Type Resonant Gyroscope by Silicon Micromachine Technology, Micro System Technologies'96 (1996) pp.385–390



Electrostatically driven capacitive sensing gyro with rotating resonance (Tohoku Univ. – Ford Motor)(Tohoku Univ. – Toyota Motor)

Reference : J.-J. Choi, R.Toda, K.Minami and M.Esashi, Silicon Angular Resonance Gyroscope by Deep ICPRIE and XeF<sub>2</sub> Gas Etching, Proc. of the Micro Electro Mechanical Systems'98 (1998) pp.322–327

M.Nagao, K.Minami and M.Esashi, A Silicon Micromachined Angular Rate Sensor, Trans. of IEE in Japan, 118-E (1998) pp.212–217



Trident-type Tuning Fork Gyro (Tohoku Univ. – ALPS Electric)

Reference : M.Abe, E.Shinohara, K.Hasegawa, S.Murata and M.Esashi Trident-type Tuning Fork Silicon Gyroscope by the Phase Difference Detection, Proc. of the Micro Electro Mechanical Systems'2000 (2000) pp.508–513