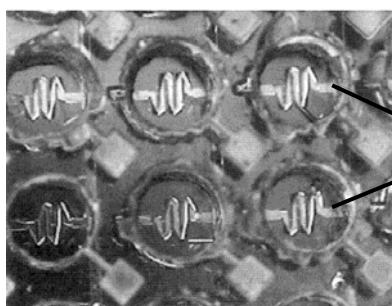
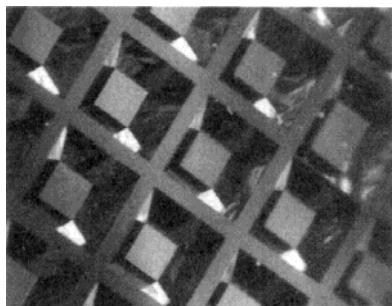
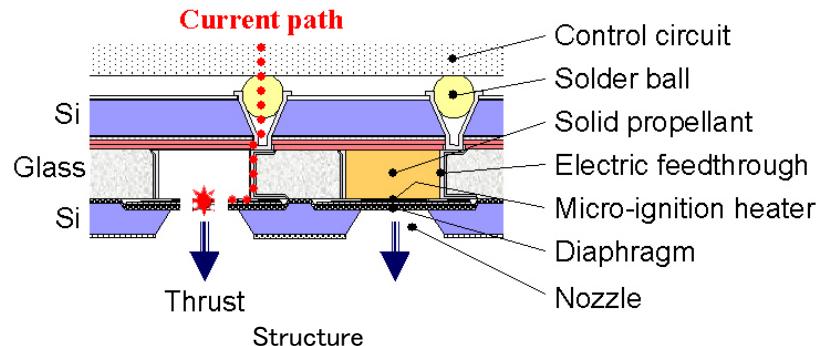
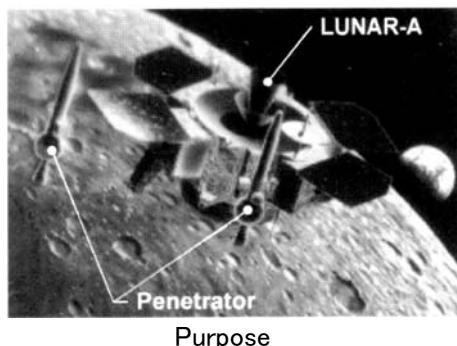
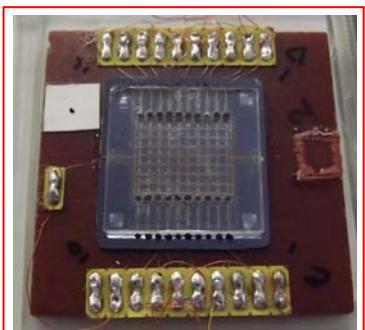
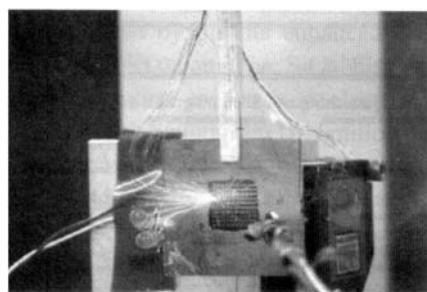
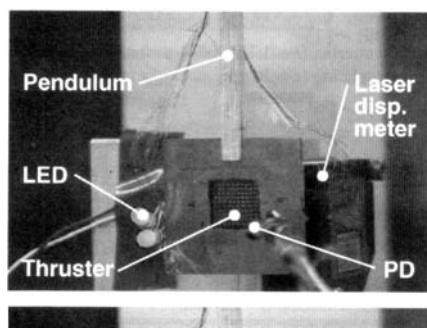


## Digital Micro Thruster (Solid Rocket Engine Array)



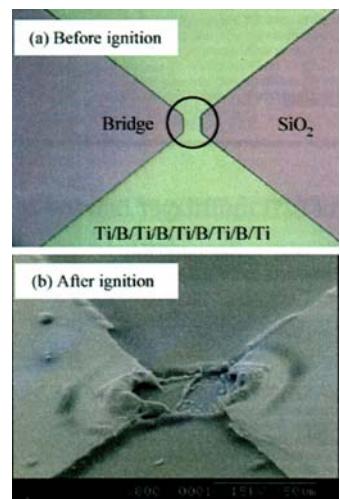
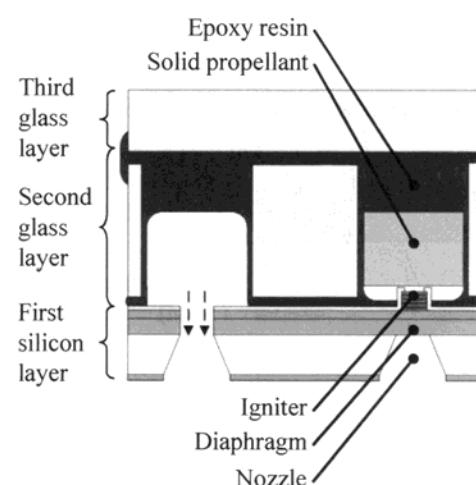
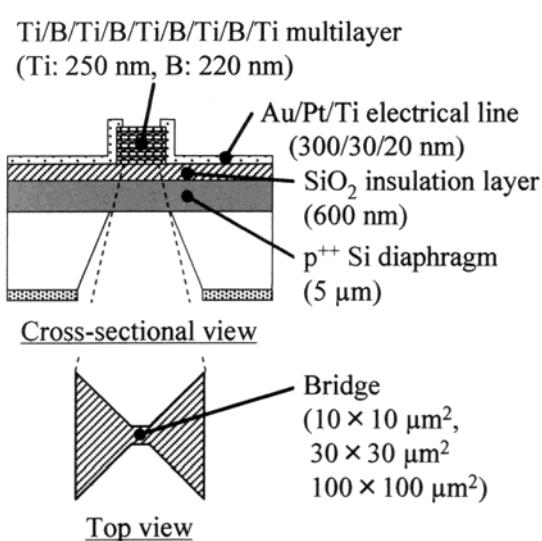
Top and bottom sides



Measurement of thrust force

Digital micro thruster (Tohoku Univ. – JAXA)

Reference : S.Tanaka, R.Hosokawa, S.Tokudome, K.Hori, H.Saito, M.Watanabe and M.Esashi, MEMS-Based Solid Propellant Rocket Array Thruster with Electrical Feedthroughs, Trans. Japan Soc. Aero. Space Sci., 46 (2003) pp.47–51



Igniter using a reaction of Bi / Ti (Tohoku Univ. – JAXA)

Reference : S.Tanaka, K.Kondo, H.Habu, A.Itoh, M.Watanabe, K.Hori and M.Esashi, Test of B/Ti Multilayer Reactive Igniters for a Micro Solid Rocket Array Thruster, Sensors and Actuators A, 144 (2008) pp.361–366