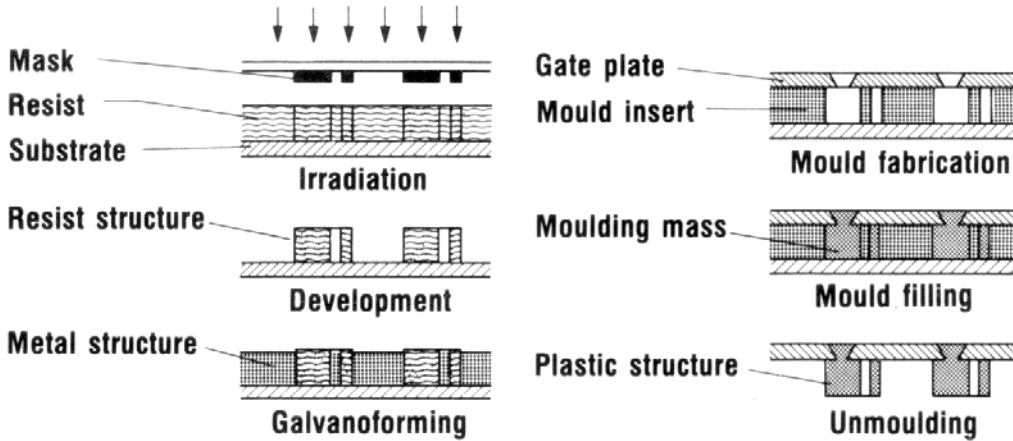
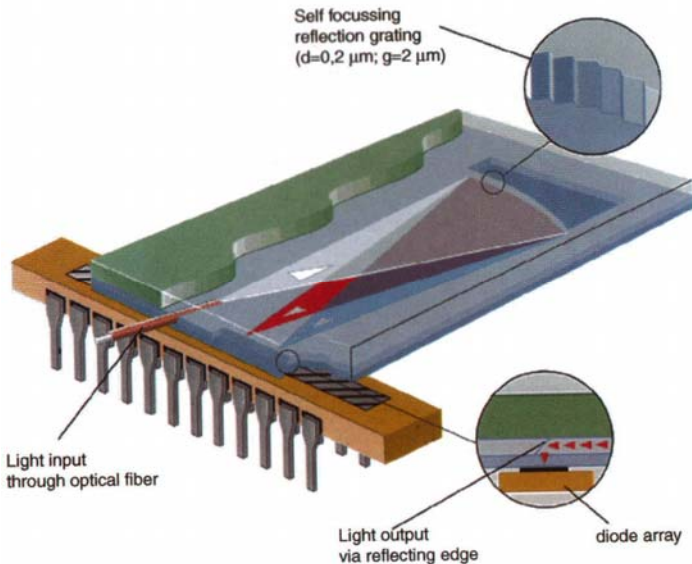


LIGA Process



LIGA process by X ray exposure, electroplating and plastic molding (Germany)

Reference : E.W.Becker, W.Ehrfeld, P.Hagmann, A.Maner and D.Munchmeyer, Fabrication of Microstructures with High Aspect Ratios and Great Structural Heights by Synchrotron Radiation Lithography, Galvanoforming, and Plastic Moulding (LIGA Process), Microelectronic Engineering, 4 (1986) pp.35-56

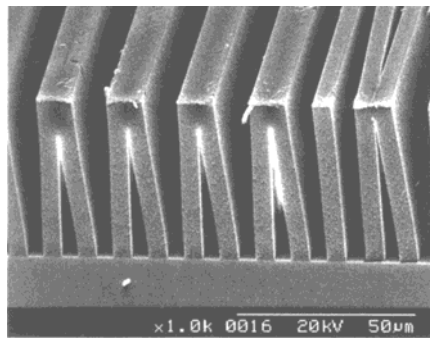


Micro spectrometer fabricated with LIGAprocess (Micro Parts, Germany)

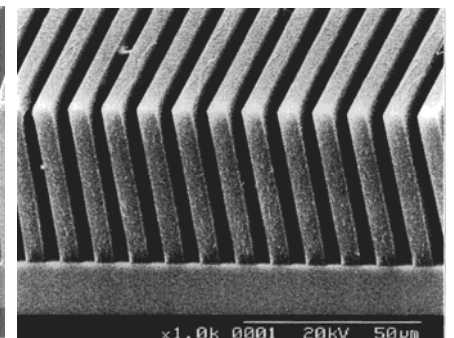
Reference : Microspectrometer Fabricated by the LIGA Process, Interdisciplinary Science Review, 18 (1993) pp.273-279



SORリング(電子蓄積リング)



Adhesion during drying



Drying using low surface tension liquid

LIGA process using negative resist (THB-N1 (JSR) Ltd.) (Tohoku Univ. – SORTEC)

Reference : S.Watanabe, M.Esashi and Y.Yamashita, Fabrication Methods for High Aspect Ratio Microstructures, J.of Intelligent Material Systems and Structures, 8 (1997) pp.173-176