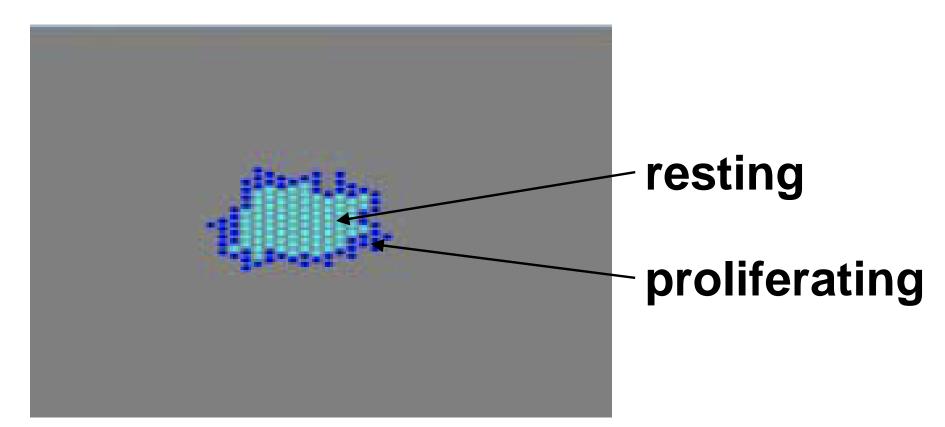
Fig. 7.1: Simulation of cell colony



Multiplication period and number, Coordination number

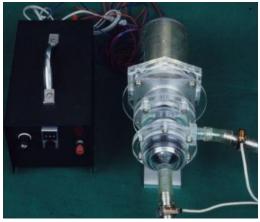
Fig. 7.2: Types of artificial heart

(a) Piston-bellows type

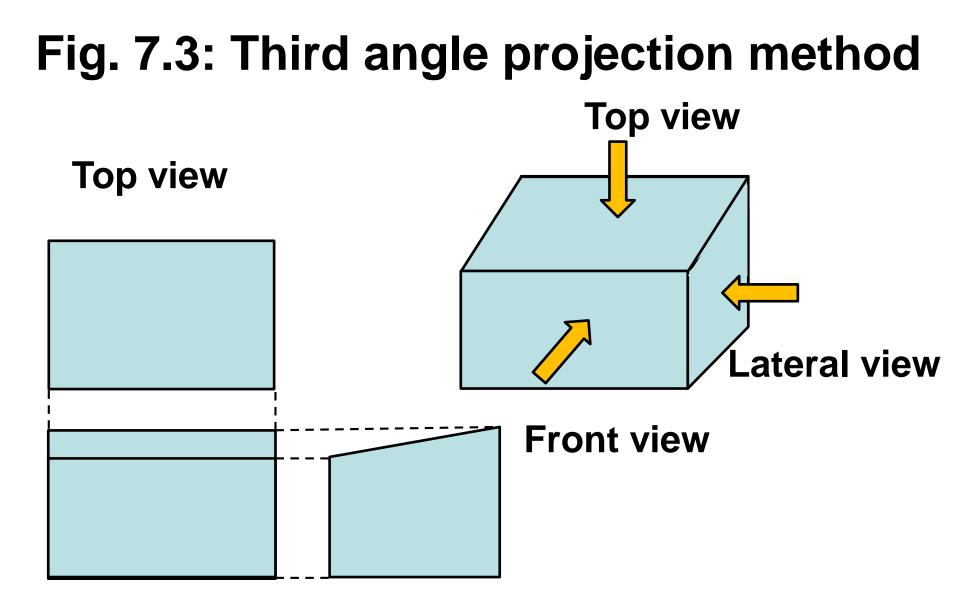








(c) Screw type



Front view Lateral view

Fig.7.4: Drawing

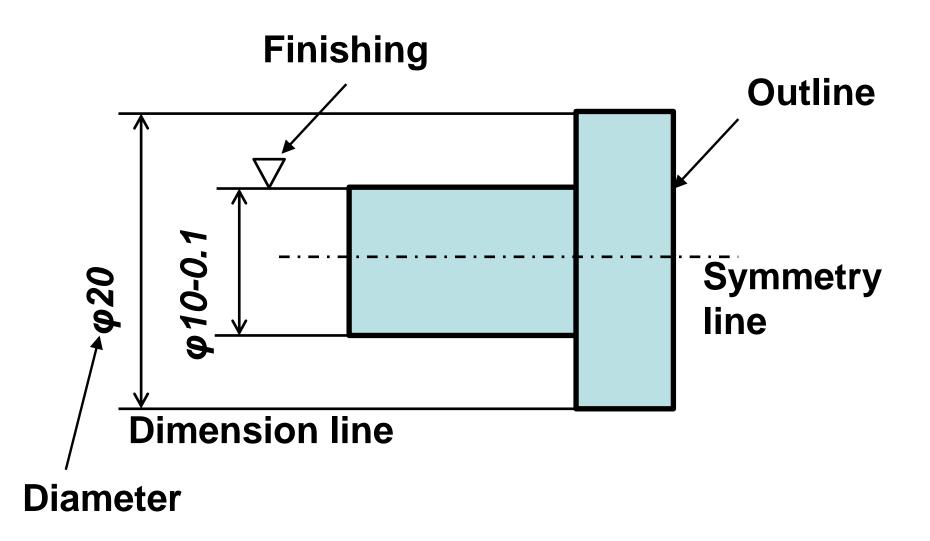
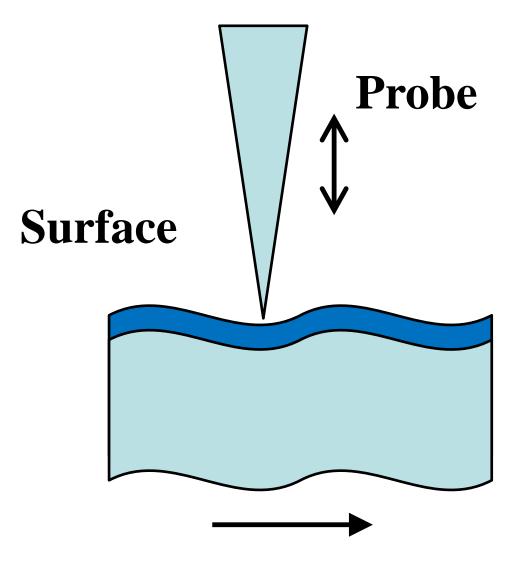
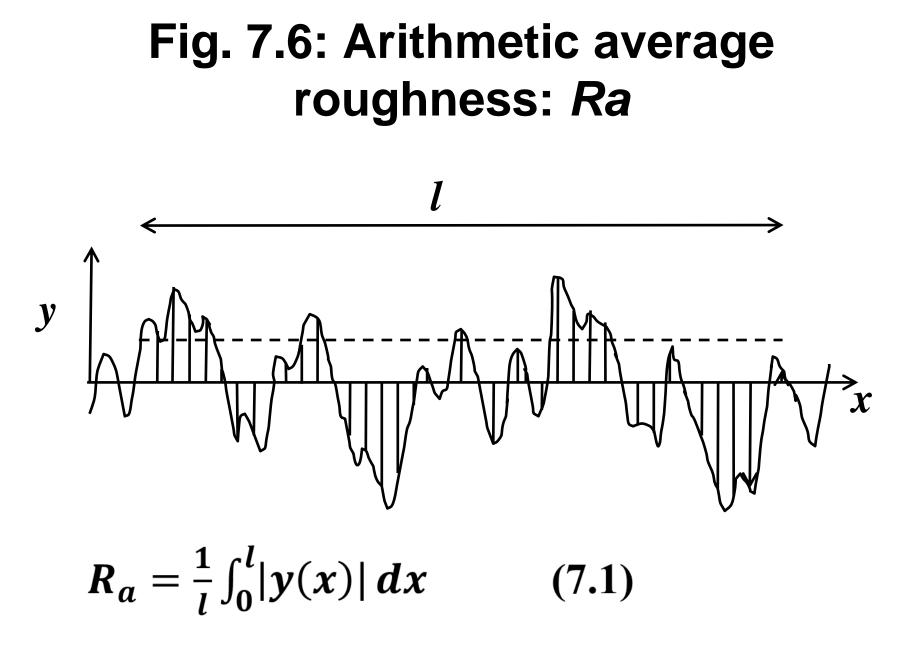


Fig. 7.5: Measurement of roughness





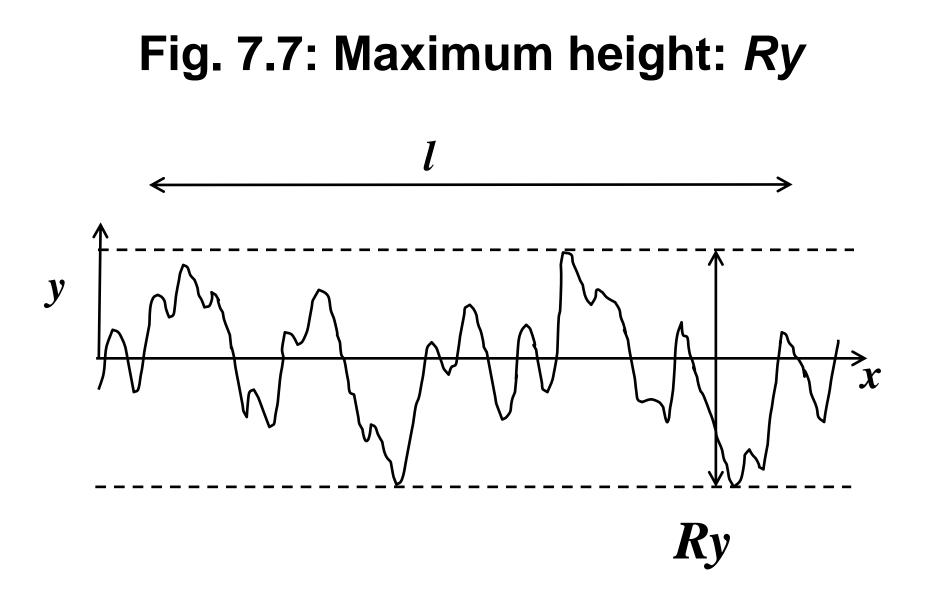


Fig. 7.8: 10-point average roughness: Rz

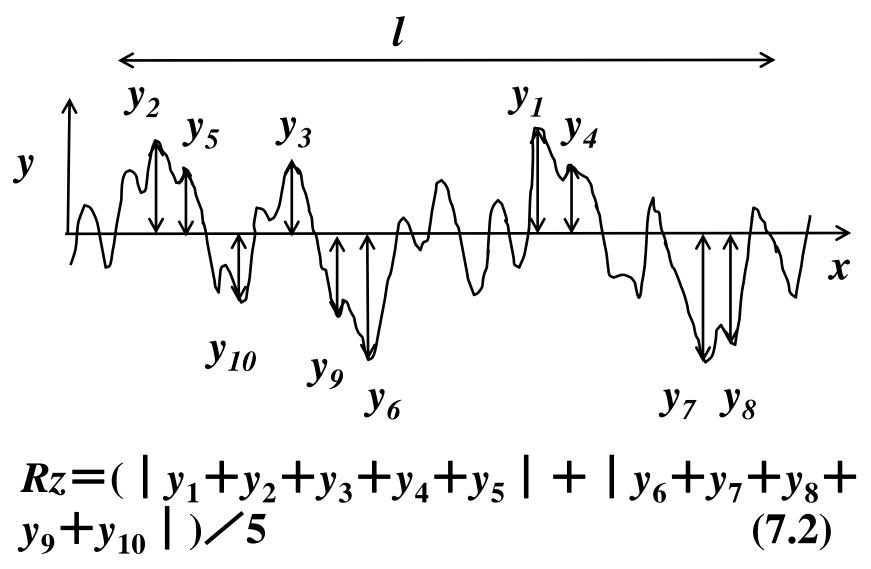


Fig. 7.9: Cell culture with electric stimulation

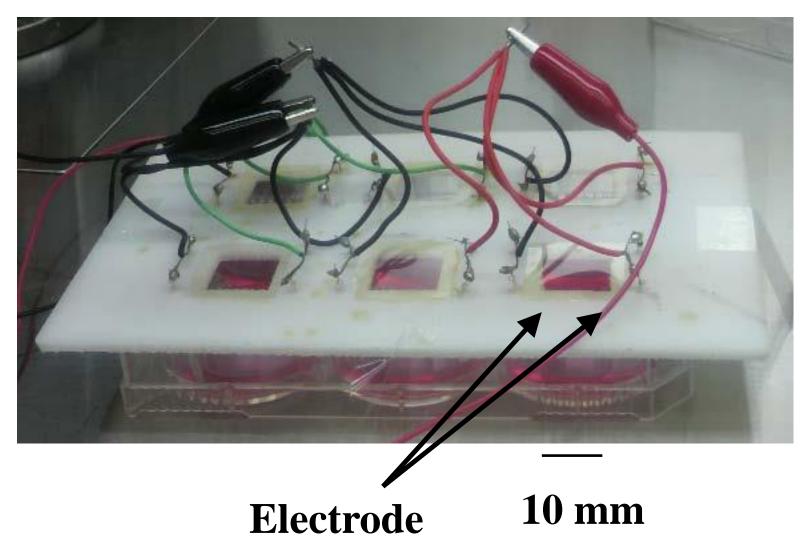


Fig. 7.10: Saw-tooth

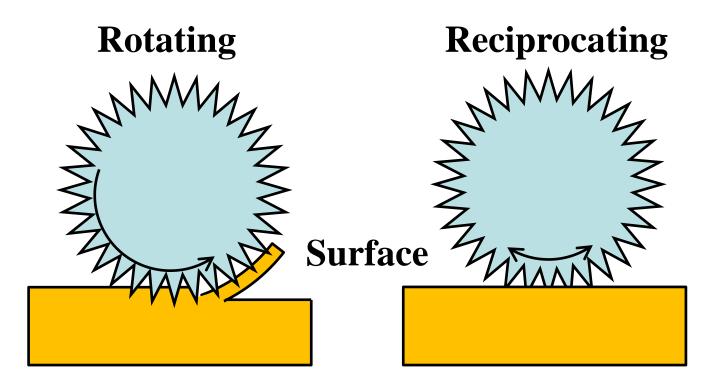


Fig.7.11: Cutting

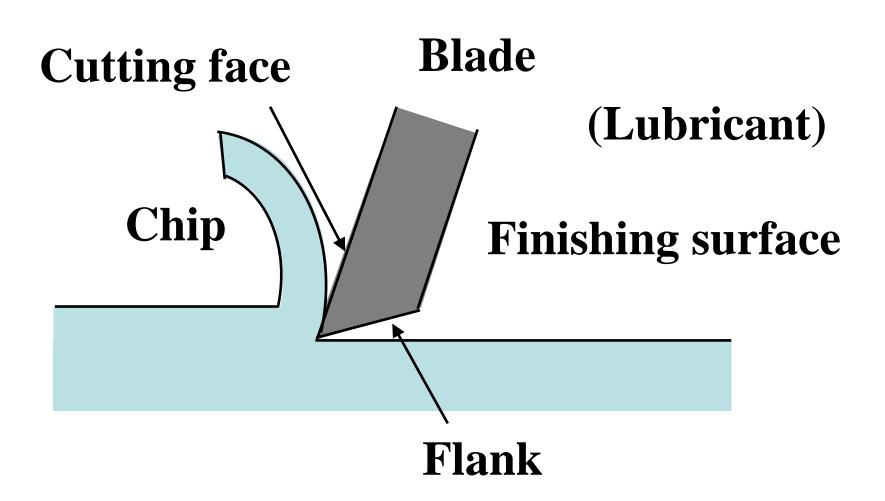
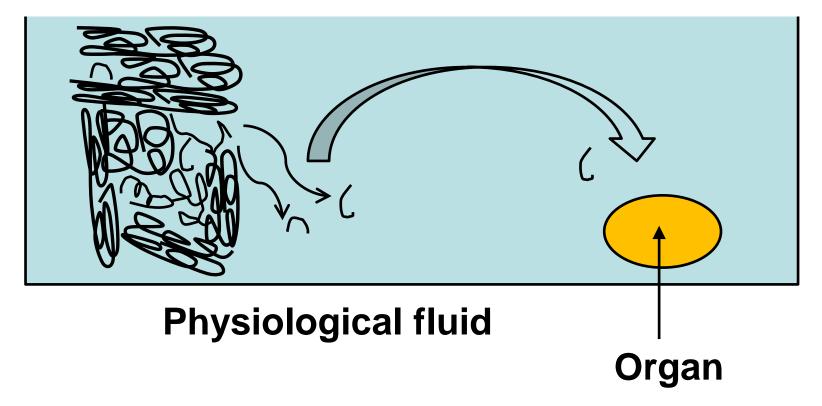


Fig. 7.12: Synthetic polymer in organ

Material Monomer



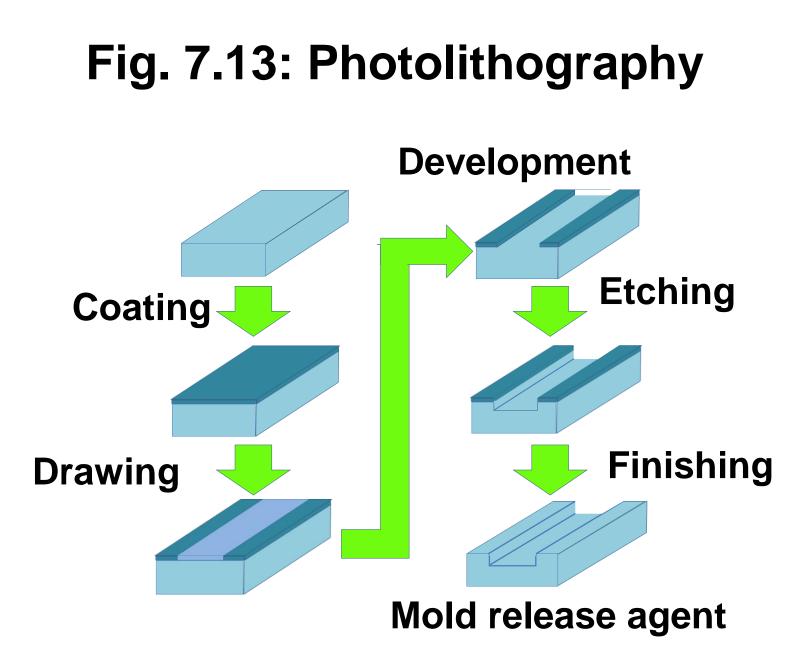
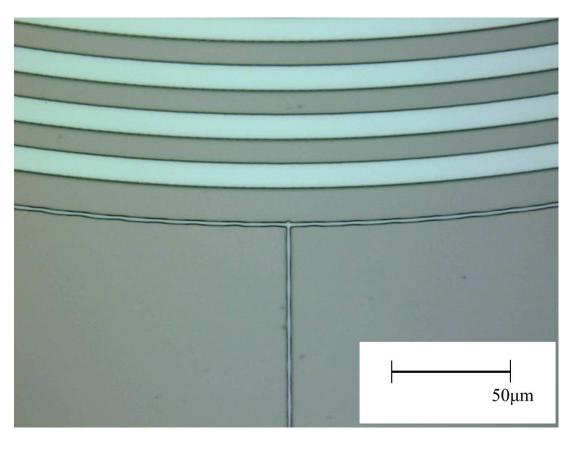


Fig. 7.14: Micro channel



50 µm

Fig. 7.15: Connector

