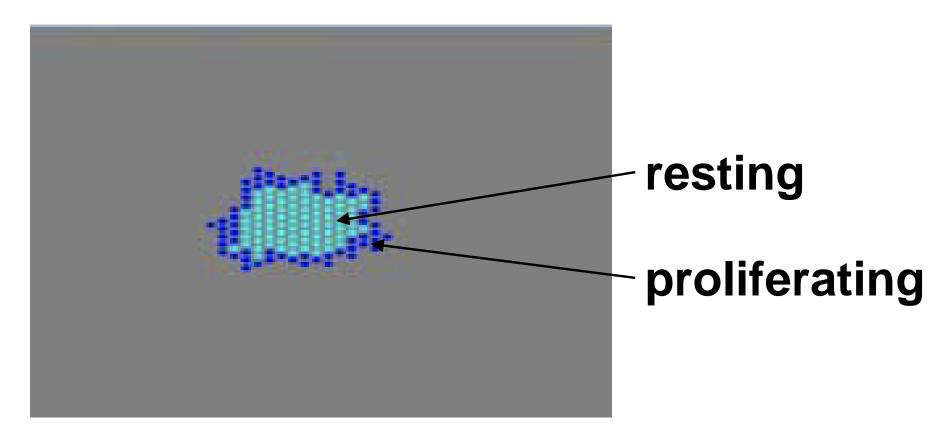
# Fig. 7.1: Simulation of cell colony



# Multiplication period and number, Coordination number

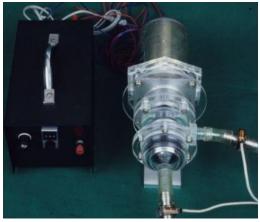
# Fig. 7.2: Types of artificial heart

#### (a) Piston-bellows type

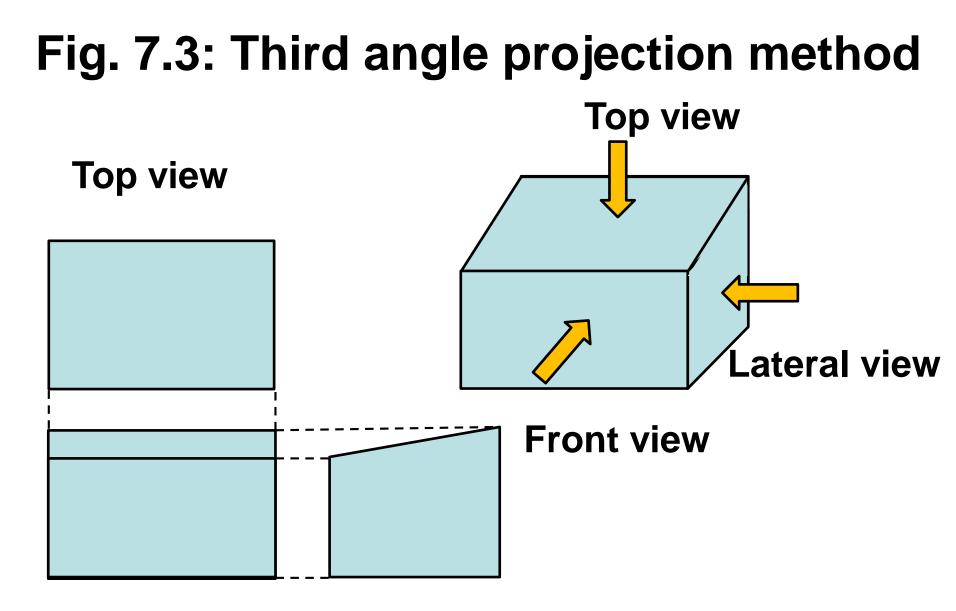






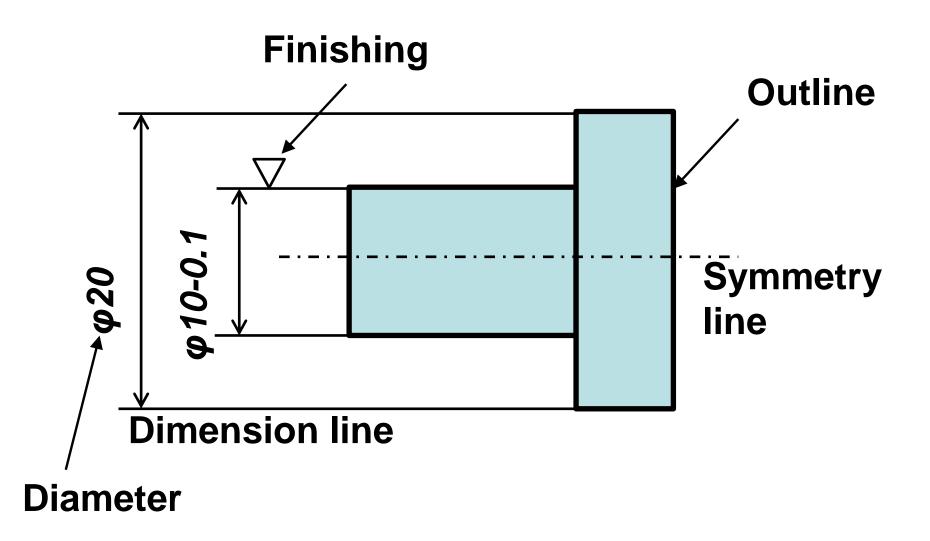


(c) Screw type

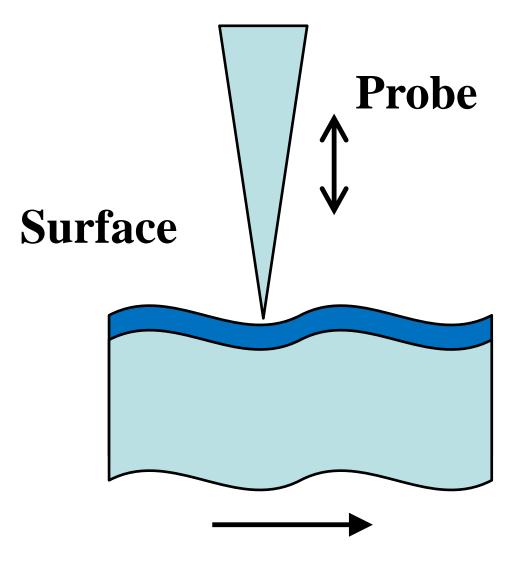


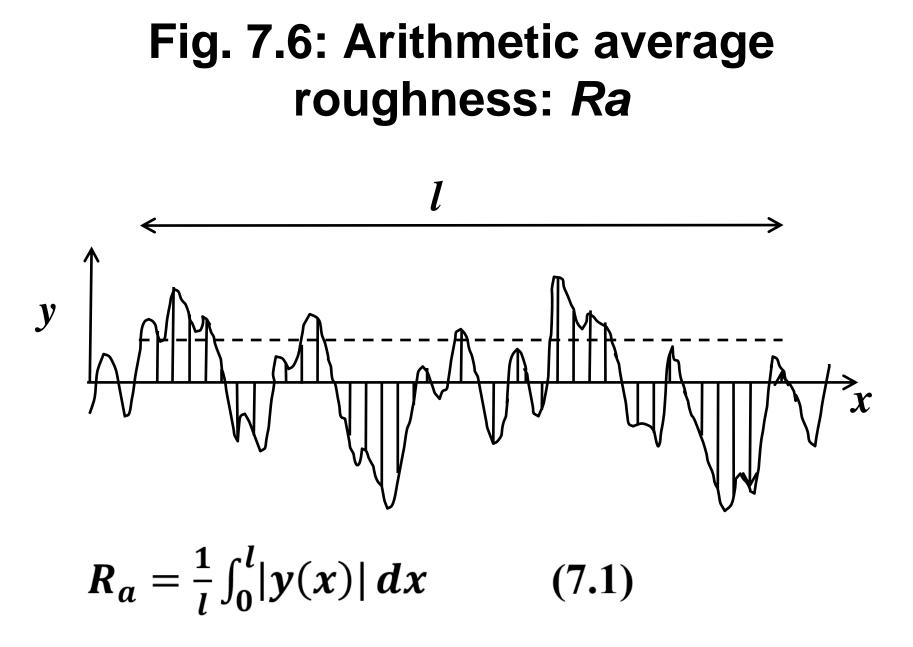
Front view Lateral view

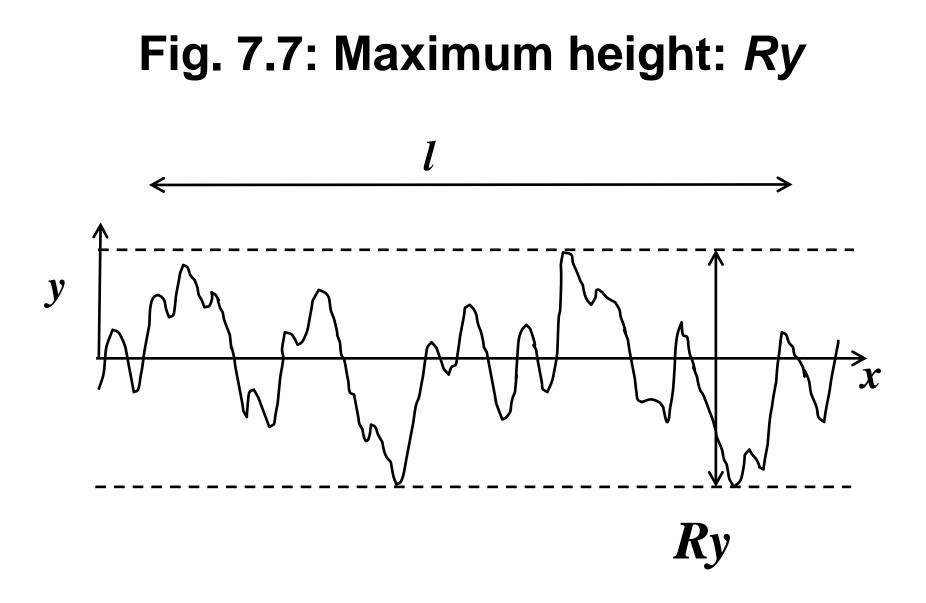
# Fig.7.4: Drawing



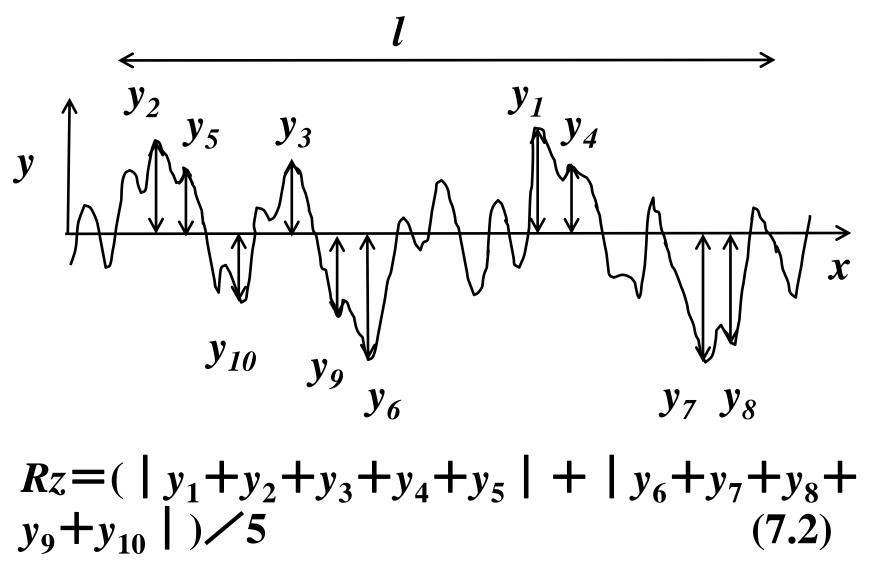
# Fig. 7.5: Measurement of roughness



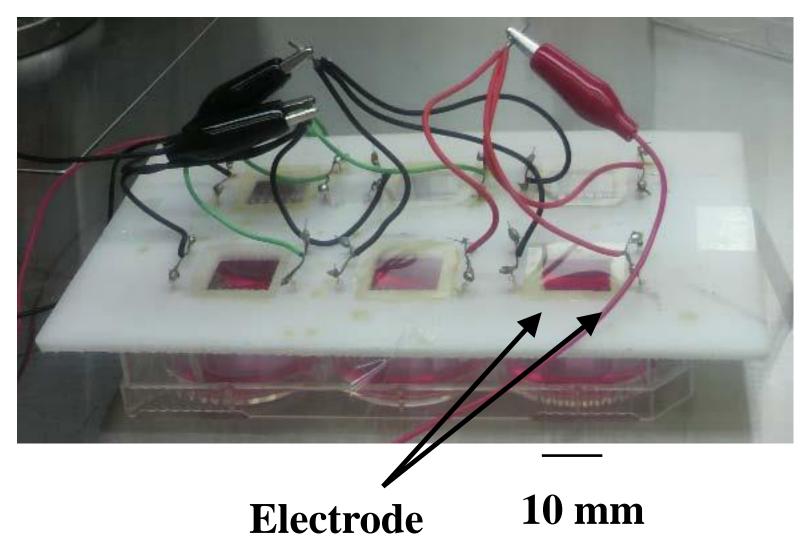




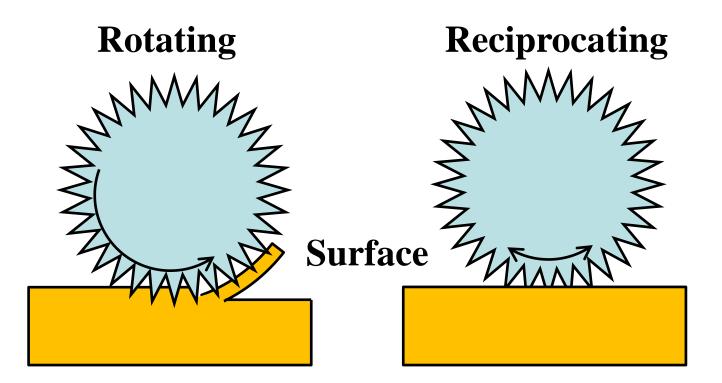
#### Fig. 7.8: 10-point average roughness: Rz



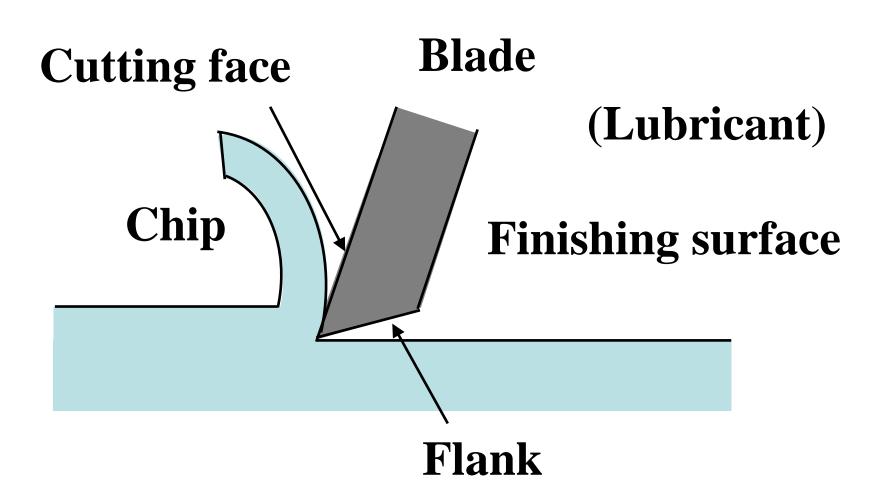
# Fig. 7.9: Cell culture with electric stimulation



### Fig. 7.10: Saw-tooth

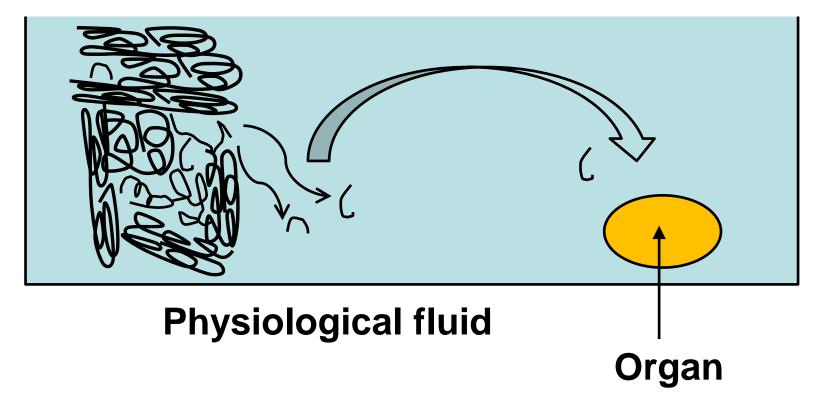


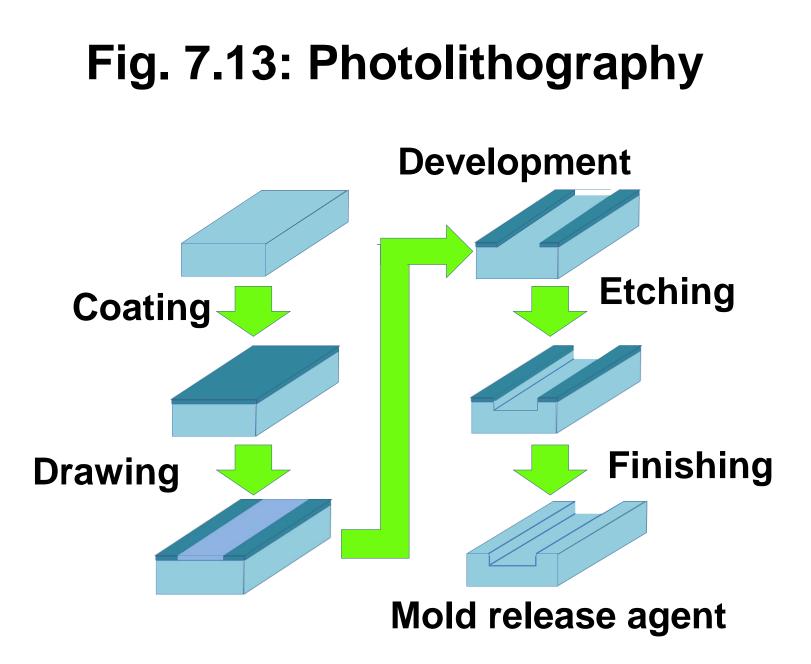
# Fig.7.11: Cutting



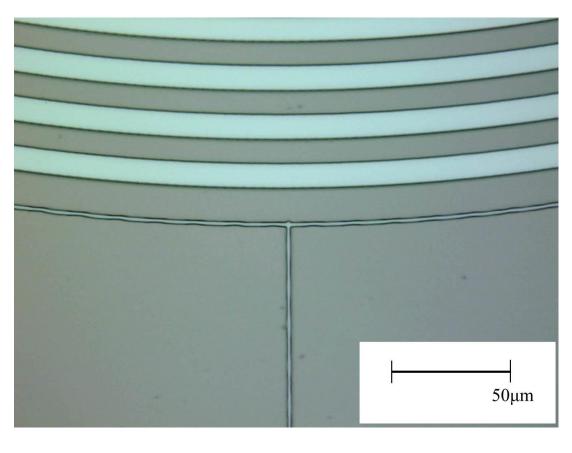
# Fig. 7.12: Synthetic polymer in organ

#### Material Monomer





## Fig. 7.14: Micro channel



#### 50 µm

### Fig. 7.15: Connector

