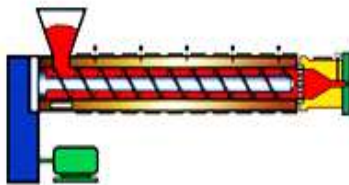


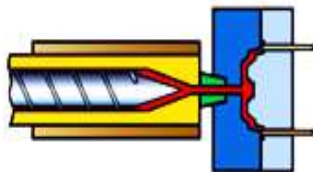
(c)

Polymer processing

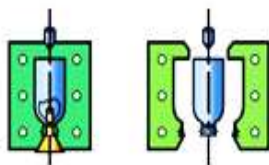
Thermoplastics



Extrusion



Injection molding

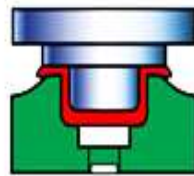


Blow molding

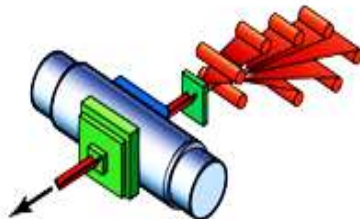


Thermoforming

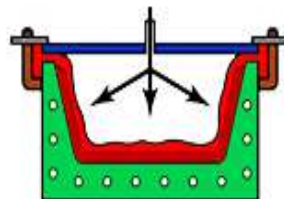
Thermosets



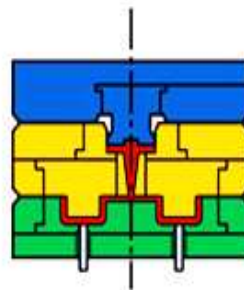
Compression molding



Pultrusion



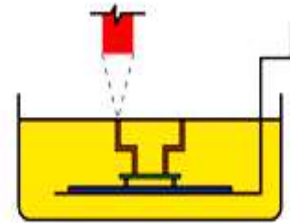
Vacuum-bag forming



Transfer molding

(d)

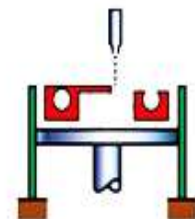
Rapid prototyping



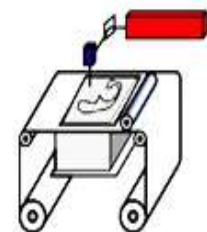
Stereolithography



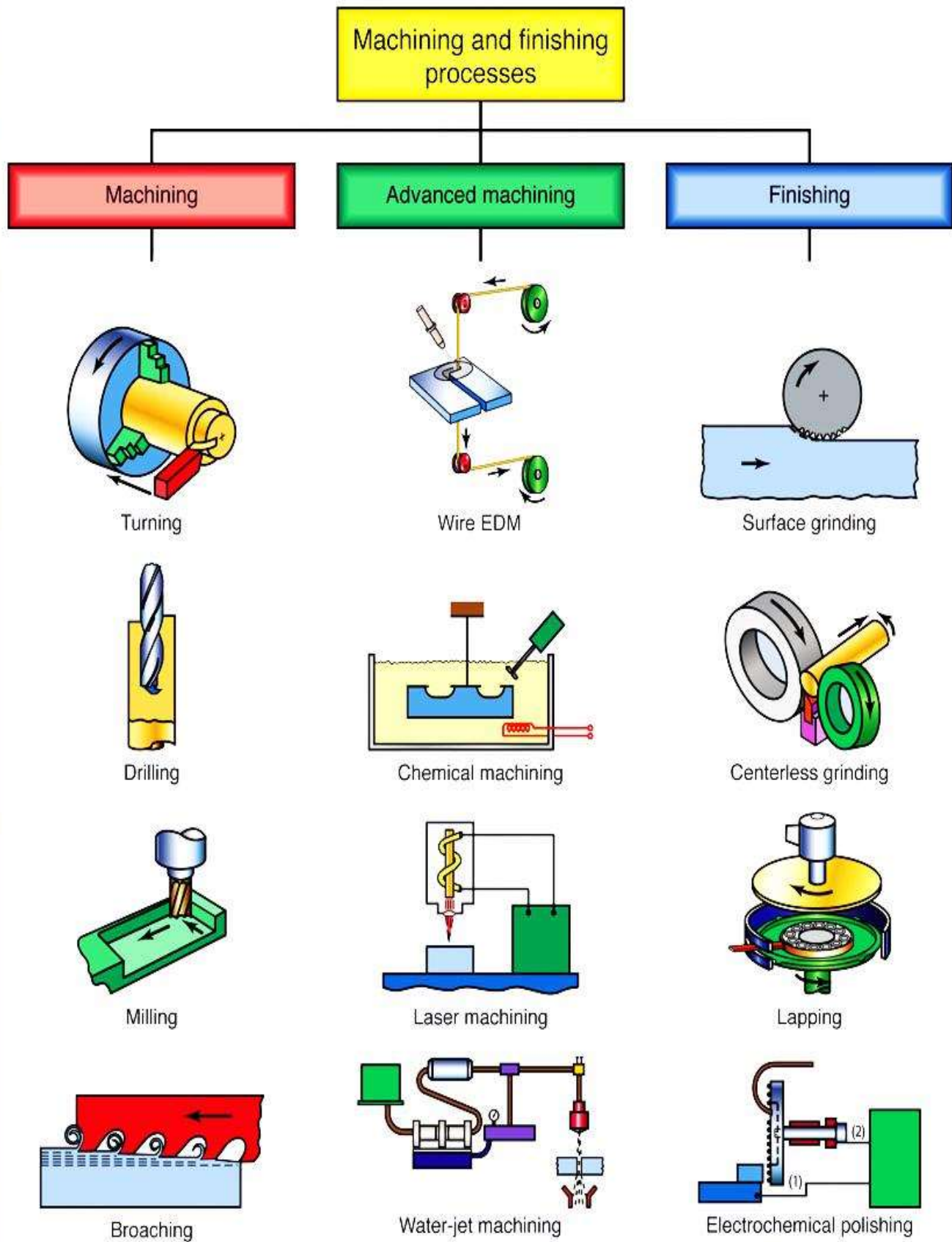
Fused deposition modeling



Three-dimensional printing



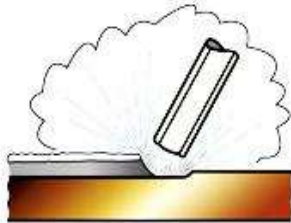
Laminated-object manufacturing



(e)

Joining processes

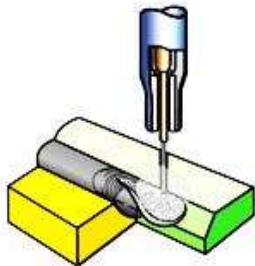
Fusion welding



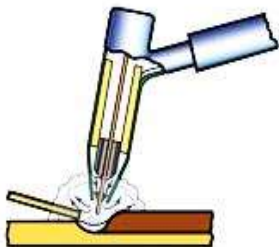
Shielded metal arc welding



Gas-metal arc welding

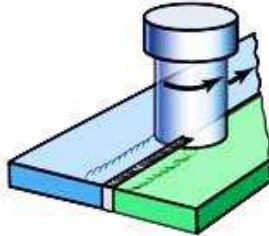


Flux-cored arc welding

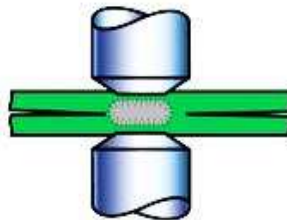


Gas-tungsten arc welding

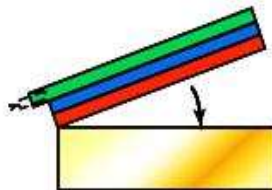
Other welding



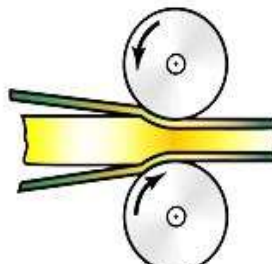
Friction stir welding



Resistance welding



Explosion welding



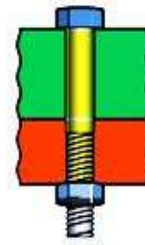
Cold welding

(f)

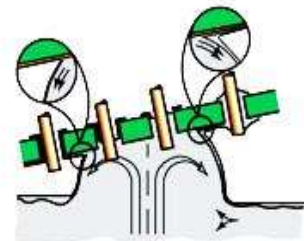
Fastening and bonding



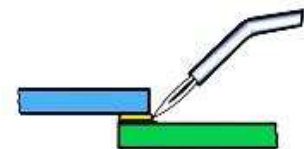
Adhesive bonding



Bolted connection



Wave soldering



Brazing