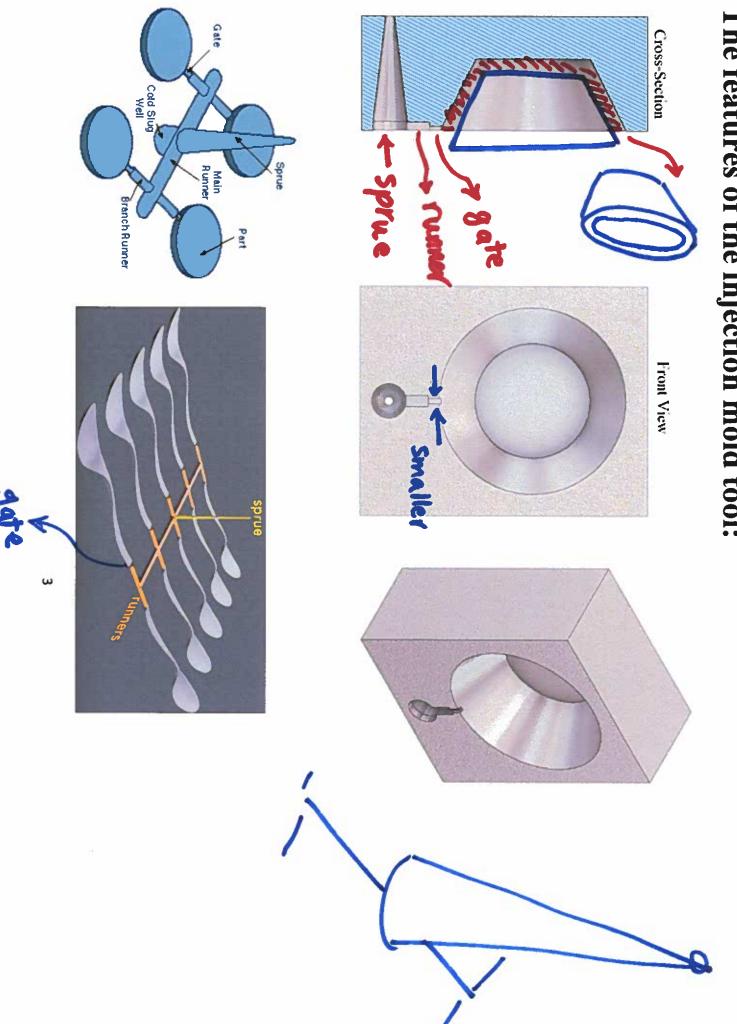
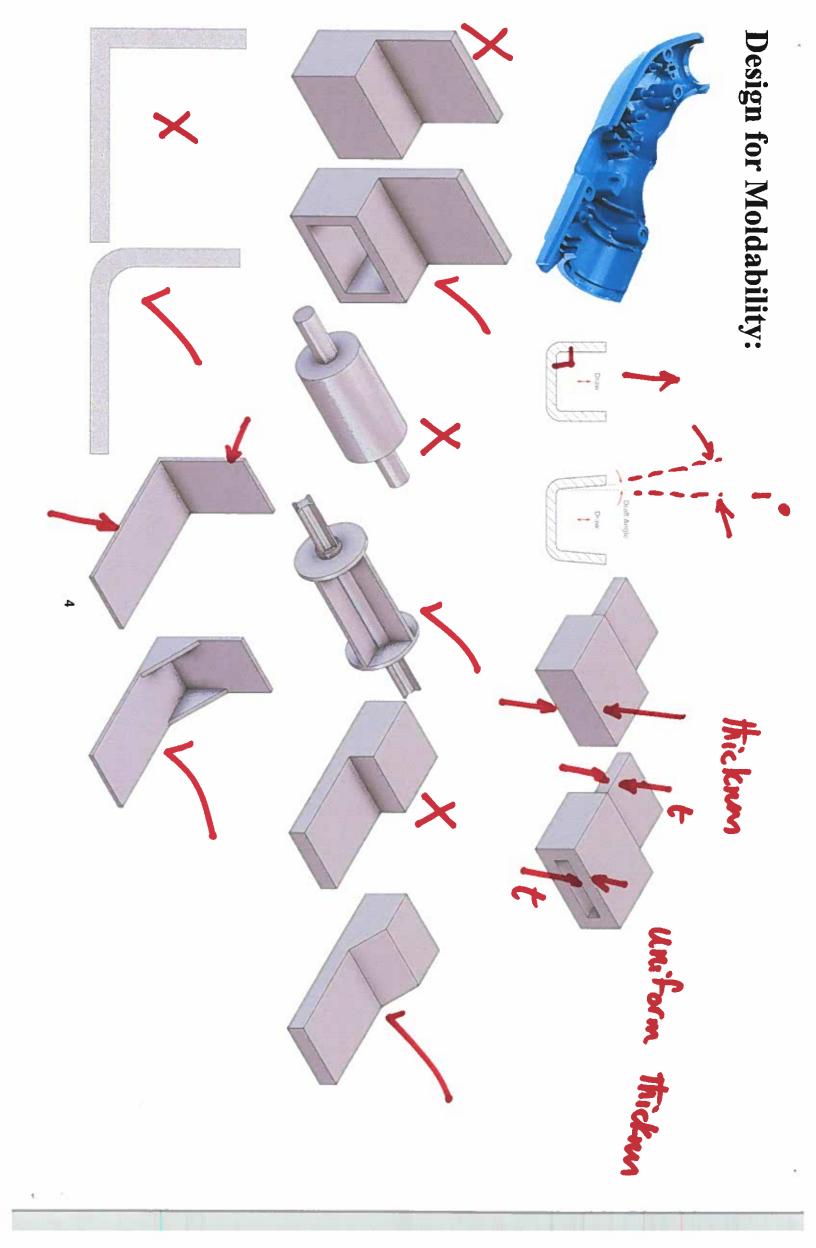


The features of the injection mold tool:





Defect in Injection Molding Parts:

high T dark Rining Void F-+ Flash not enough mater. too much volume low clamping force Cool (3) cooling time F (3) Clamping Force V 1 Shot Size (4) pressure Contral parameters. (1/ shrinkaye)

Engineering analysis of Injection Molding:

Parameters: 1. Shot Size, 2. Required Time to Fill in a Mold, 3. Clamping Force, 4. Cooling Time



żΔP* WL

We Can Control T (Temperature) and P (Pressure)

inside a mold:

Q: Flow Rate

time to fill mold =

2)
$$\Delta P = \frac{12 \mu QL}{wh^3}$$

$$t \rightarrow t$$