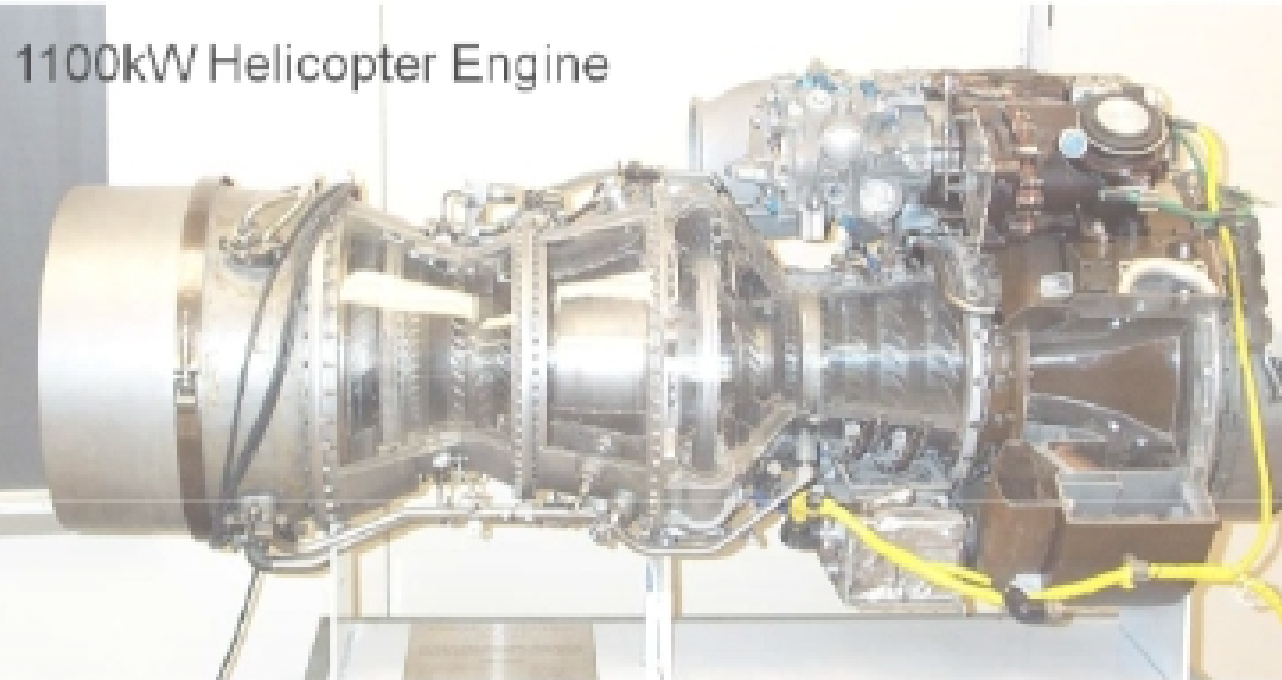

ME 200: Thermodynamics I
**Lecture 15: Control Volume Analysis - Mass
Conservation**
Prof. Sojka
Summer 2012

In this Lecture ...

- **We will study:**
 - **Control Volume Analysis –
Mass Conservation**

Examples of Open Systems



1100kW Helicopter Engine

Photo courtesy of U.S. Military Academy

50 watt Microturbine

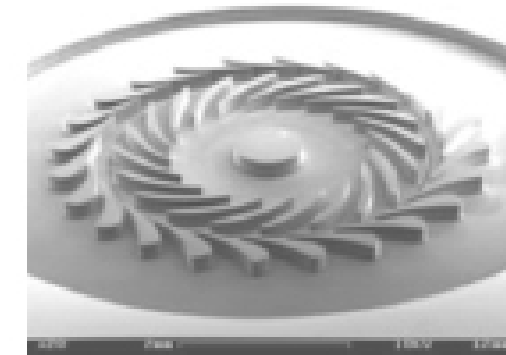
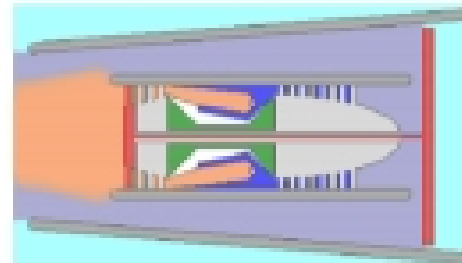
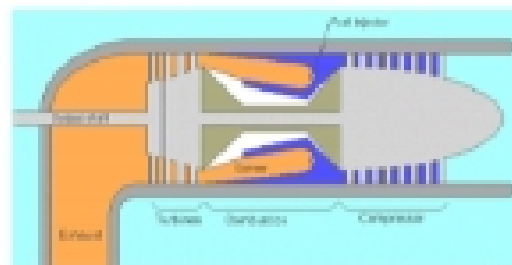


Photo courtesy of M.I.T. Microturbine Lab



Turbine schematics courtesy of www.howstuffworks.com

