

Actuators

1. Electro-Magneto-Mechanical

- a. Solenoids
- b. Relays
- c. Voice coils
- d. DC motors
- e. AC motors
- f. Stepper motors
- g. Magnetostrictive actuators
- h. Speakers

2. Electro—Mechanical

- a. Piezoelectric actuators (moonies, benders etc.)
- b. Piezoelectric motors
- c. Electrostatic actuators (MEMS)

3. Mechanical

- a. Hydraulic actuators
- b. Valves
- c. Pneumatic actuators
- d. Vane actuators and motors
- e. Kinematic chains, Belts, Crank-mechanisms, Cams
- f. Gear trains, Ratchets and pawls