**Induction Motors**

Pros

* Inexpensive
* Easy to Maintain

Cons

* Speed control is very limited and expensive Via Variable Frequency Drive
* High In rush current when heavy loaded
* Requires external positioning sensors

**Stepper Motors**

Pros

* High torque at lower speeds
* Relatively simple operation
* Possible to operate in closed loop feedback eliminating external sensor

Cons

* Sudden drop off in torque as speed increases
* Noisy
* Requires external driver

**Servo Motors**

Pros

* Closed loop feedback operation
* Near constant torque within operational speeds
* Integrated encoder for high precision position tracking

Cons

* Expensive