

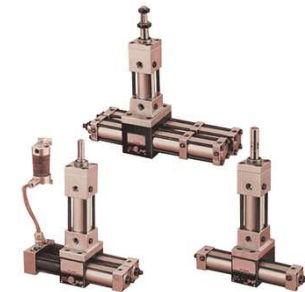
MECHANICAL MOTION UNITS



Motion Units

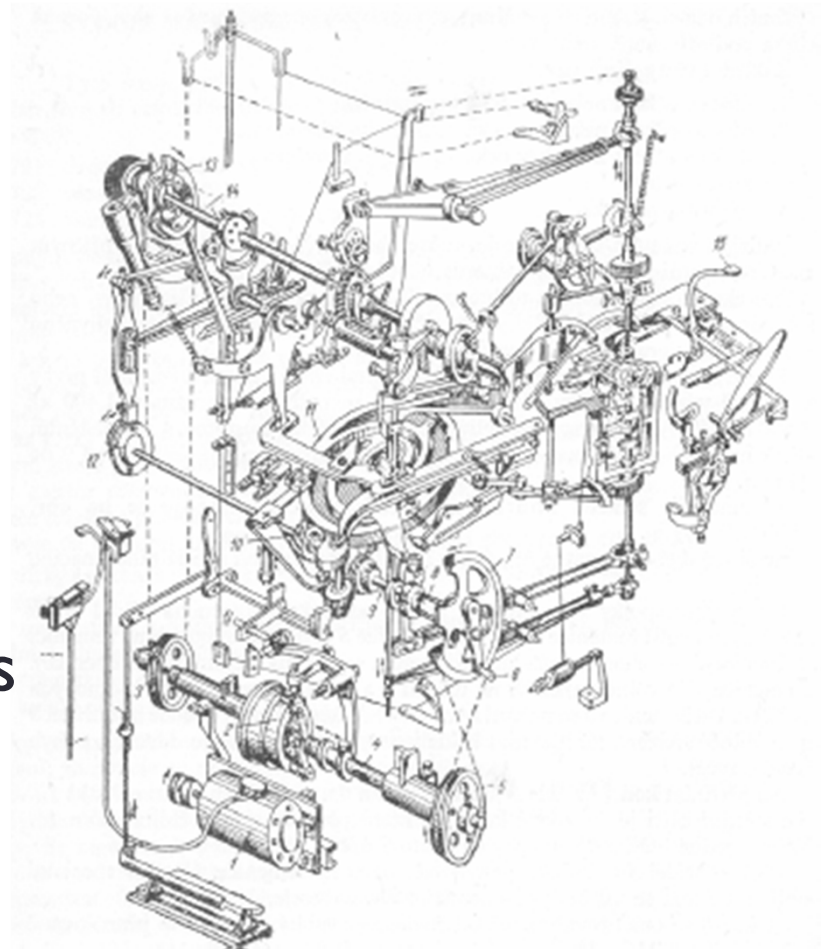
- The most important for automation is an energy transfer
- In a motion system we recognize these motion units:

- Mechanical
- Pneumatic
- Hydraulic
- Electric



Mechanical Motion Units

- mechanical motion units consist of:
 - Gear sets
 - Disk cams
 - Levers
 - Connecting rod
 - Clutches
 - Cams, crankshafts
 - Chains
 - next mechanical parts



Mechanical Gears and Control

The oldies drive type

- **Advantages**

- cheap
- exact
- high-speed
- reliable

- **Disadvantages**

- special-purpose (not flexible)
- more complex motion → complicated mechanisms

