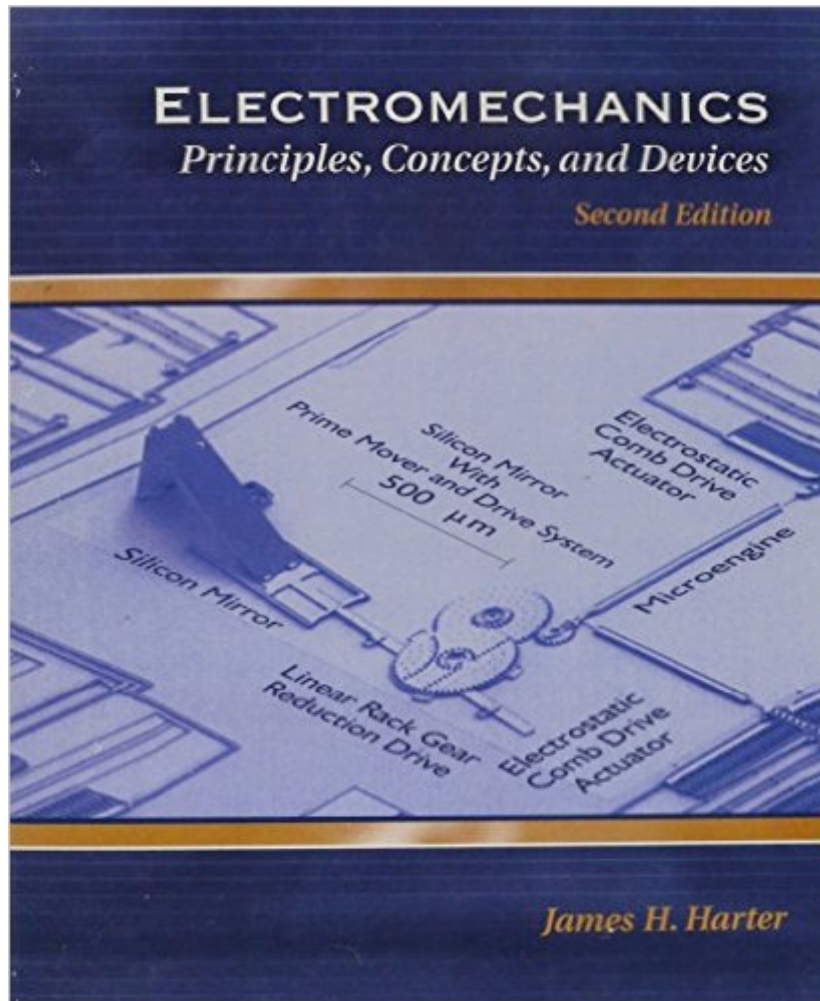


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# Electromechanics: Principles, Concepts And Devices (2nd Edition)



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This comprehensive introduction to electromechanical devices and their underlying principles of operation gives technicians of manufacturing and process design systems the unified treatment of mechanical and electrical topics so much in demand in today's workplace. Practical, hands-on information related to operating, installing, troubleshooting, and servicing a wide range of electromechanical systems is presented. Chapter topics cover number notation, measurement, and units; linear motion; principles of simple machines and the lever; pulleys, wheel and axle, and the inclined plane; friction, lubrication, and bearings; work, energy, torque, and power; rotational power transmission; rotation, translation, and intermittent motion devices; the electric circuit; electromagnetic circuits and devices; transformers and power distribution; overcurrent protection; sequential process control; alternating current electric motors; direct-current motors and ac drives; and concepts of automatic control systems. A self-paced study guide for employed technicians and maintenance engineers working independently to upgrade themselves.

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