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Ergonomic Design For People At Work Volume 1





Synopsis

Of interest to: Human Factors/Ergonomics Specialists, Industrial Psychologists, Industrial Engineers, Occupational Physicians, Work Physiologists, Industrial Hygienists, Architects, Industrial and Computer Equipment Designers. If you are involved in workplace or equipment design, human factors engineering, or related fields, you will find Ergonomic Design for People at Work, Vol. I, to be a very practical and helpful guide. It reflects more than 22 years of industrial practice, experience, and research by the pioneering Human Factors Section of the Health, Safety and Human Factors Laboratory at Eastman Kodak. Combining the work and findings of psychologists, physicians, physiologists, anthropologists, and engineers, the book gives practical approaches for the solution of many design problems. It also includes examples and case studies based on real experience, and over 175 practical illustrations. Here's what you'll find: Cuidelines for workplace and equipment design that accommodate all sections of the population — women and older workers as well as younger men Innovative techniques for improving work performance and productivity Proven methods for reducing the potential for discomfort on the job Techniques for identifying and alleviating work-related stress Methods for evaluating existing conditions together with approaches for improving them Also included is information on how to: Design work stations for maximum comfort Design codes for optimal transfer of information Select and install appropriate video display units (VDUs) in automated offices Reduce noise and vibration. The photograph on the jacket shows a seated workspace in which the operator is seated behind a three-dimensional model. The model represents the reach capability of a person with short arms (5th percentile). Seated workplaces are discussed in Chapter II, Workplace Design.

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