



# WEARABLE BIO-ERGO TECHNOLOGY

Making decisions about employee safety can be difficult—but making those choices without hard data is nearly impossible. DORN's wearable Bio-Ergo technology offerings provide employers with science-based tools for data collection and objective analysis to assist in measuring the physical demands of any individual role on the job floor.

Using work suits embedded with muscle activity sensors, DORN's wearable solutions employ surface electromyography to gauge levels of physical exertion in real time. Where other subjective ergonomic and physiological assessments only provide an approximation of the duties and activity performed by an employee throughout a typical workday, DORN's bio-ergo services produce actual performance data based on the levels of muscular exertion expended by a worker for each task. The result is a comprehensive data profile of each role analyzed, effectively creating a roadmap toward improvements in staffing, task processes, and workstation design.

## Benefits of Bio-Ergo Wearable Assessments:

- **Advanced ergonomic reporting:** DORN's wearable evaluation solution provides real-time monitoring of ergonomic factors on the job floor, collecting data that can be used to prevent ergonomic injuries in areas determined to be high-risk.
- **Ergonomic dosimetry:** Data from sensor-embedded work suits can be integrated into job descriptions, providing accurate information on specific risk factors that potential hires can expect to encounter.
- **Improved recruiting:** With an accurate assessment of the physical demands of a job, hiring managers can better judge an applicant's fitness for the required work.
- **Continuous reporting:** DORN delivers full reports on a monthly or even weekly basis, providing a constant picture of the work being done at any job site with an eye toward continuous improvement in worker safety.
- **Dramatic cost reductions:** Between early prevention, decreased injury determinations by occupational care providers, and lower insurance premiums, clients see significant reductions in both direct and indirect costs from injuries, workers' compensation claims, absenteeism, and diminished worker productivity.



## About DORN Companies

For nearly 25 years, DORN has led the cutting edge of workplace safety solutions, offering holistic, proactive strategies to help organizations in all sectors reduce injuries, cut costs, and boost productivity. With a whole-person approach to safety that evaluates Body, Behavior, and Environment, DORN deploys custom-built solutions based on trusted science and the expertise of a nationwide team of workplace safety specialists. Whether through ergonomic assessments, PainFree treatments, biomechanics programs, technology solutions or coaching and training, DORN solutions significantly enhance organizational efficiency and employee effectiveness while improving the overall culture of the organization. With an annual ROI of nearly 600% and a reach of over 120,000 employees, we have saved employers over \$150 million in workers' compensation and healthcare claims and costs.

## Empowerment through Education & Engagement

Contact us to learn more:

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