

# INDUSTRIAL ERGONOMICS

Many jobs involve physical work. Is that a bad thing? When do physical demands become ergonomic risk factors? What is an ergonomic risk factor? How do we know if exposures to these risk factors are safe or unsafe? Are there accepted ergonomic job hazard analysis tools that can be used to evaluate injury potential?

The questions continue ... Can light but repetitive tasks lead to serious injury? How repetitive is too repetitive? Are there different types of repetitive strain injuries? Are back injuries a form of repetitive strain injury? Is it true back injuries result only from heavy lifting? Do back belts and wrist supports prevent injuries? Is operator training regarding preferred techniques the answer? Do more effective injury prevention and risk control strategies exist? Can ergonomics assist injured workers?

...There are widespread applications of ergonomics in industry. Fortunately, there are also numerous potential benefits to worker safety & health, employee morale, efficiency, productivity, medical and insurance costs, attendance, and of course to the bottom line.



## THE CHALLENGES ...

### SIGNS OF THE NEED...

- Poor productivity levels
- Work refusals
- Product defects, rework, waste
- Health and safety concerns
- Accidents and injuries

### WORKSITE & TASK DESIGN

- Poor workstation design
- Inefficient work methods
- Heavy manual handling
- Highly repetitive activities
- Use of mechanical assists

### COMPLIANCE

- Worker health & safety
- Compensation & injured workers
- Human Rights & Accommodation
- Equity and physical demands
- Corporate policies and procedures

## NEED SOLUTIONS ???

**OSHTECH** is an integrated team of specialists providing consulting and training in ergonomics, occupational hygiene, and environmental risk assessments. Our professional services include:

### ERGONOMICS SERVICES

- Physical Demands Profiles
- Ergonomic Surveys to Assess Injury Risk
- Workload Ratings/Energy Estimates
- Suitability/Compatibility/Return-to-work
- Engineering Design Support

### MACHINERY/EQUIPMENT

- Workstation Design
- Preferred Work Methods
- Process flow and workplace layout
- Design of tools and assists
- Hand-arm & Whole Body Vibration

### TRAINING

- Employees, JHSC, Ergo Committee
- Supervisors, Managers, Engineers
- In-house or publicly offered
- Practical, hands-on instruction
- Variety of Topics i.e. Back Injuries

## OSH&E Consulting, Training & Laboratory Services

# OSHTECH

I N C O R P O R A T E D

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