

40th Anniversary IRD Meeting



Injury Facts

- Total Cost of all Injuries annually.....\$753. billion
compares to 51% of all dollars spend on food in the U.S.
- Work Injuries annually.....\$188.9 billion
exceeds the combined profits reported by largest 16 of Fortune 500
- Cost per medically consulted injury.....\$37,000.
- Time lost to work related injuries60,000,000 days
- Occupational unintentional injury-related deaths, U.S., ...3,905
- Financial cost per death tallied at.....\$1,390,000.

- National Safety Council Injury Facts 2011 edition

Risk Analysis

- Environment
- Human Factors
- Equipment
- Substances
- Event Frequency



Human Factors/Ergonomics

- Specific anthropometric data-stature, eye, shoulder and knee height, arm reach, leg length
- Psychosocial factors-works alone, enclosed space, high elevation
- PPE use- gloves, arm guards, hardhats, safety glasses, respirators, high temperature clothing, fall harness
- Pace of task/urgency, constant motion creating potential for CTD's
- Forceful exertions such as gravity, friction and reaction forces present
- Lifting, moving, reaching- focus on upper or lower body movements

Communicating Job Stressors



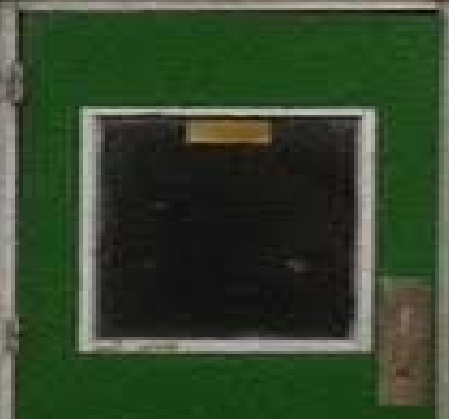
NOTHING is more important than safety **NOTHING**

10 SAFETY REMINDERS

- 1. **Lock Out/Tag Out** - Follow the Procedures
- 2. **Fall Protection** - For heights higher than four feet
- 3. **PPE** - Helmets and Safety
- 4. **Confined Spaces** - Use the Entry Permit
- 5. **Machine Guarding** - Replace after adjusting, servicing or maintenance before operating equipment
- 6. **Accident/Incident Report** - Report all accidents and incidents
- 7. **Mobile Equipment** - Operate all mobile equipment by complying with the Manufacturer's Safety Requirements and proper safety requirements
- 8. **Powered Safety** - Stop and yield to all operators at every crossing
- 9. **Housekeeping** - Maintain a clean area
- 10. **Unsafe Condition** - Perform all safety inspections before operating equipment, verify management of all known hazards, and do not proceed any unsafe acts.

Setting Safety Goals and Absolutes

"There is not one ton of steel or one dollar in profit that is worth a serious injury or someone's life."
PLEASE WORK SAFE!





Weighing Solutions

Justification and Purchase





Installation and Training

Start Up and Fine Tuning





Integration
into Process



Measurable Benefits

410 LBS MACHINE CAPACITY

TORQUE CAPACITY

NOTICE
HOT WORK
PERMIT
REQUIRED



Friday Night Guitar Picking

Avoiding the Last Straw

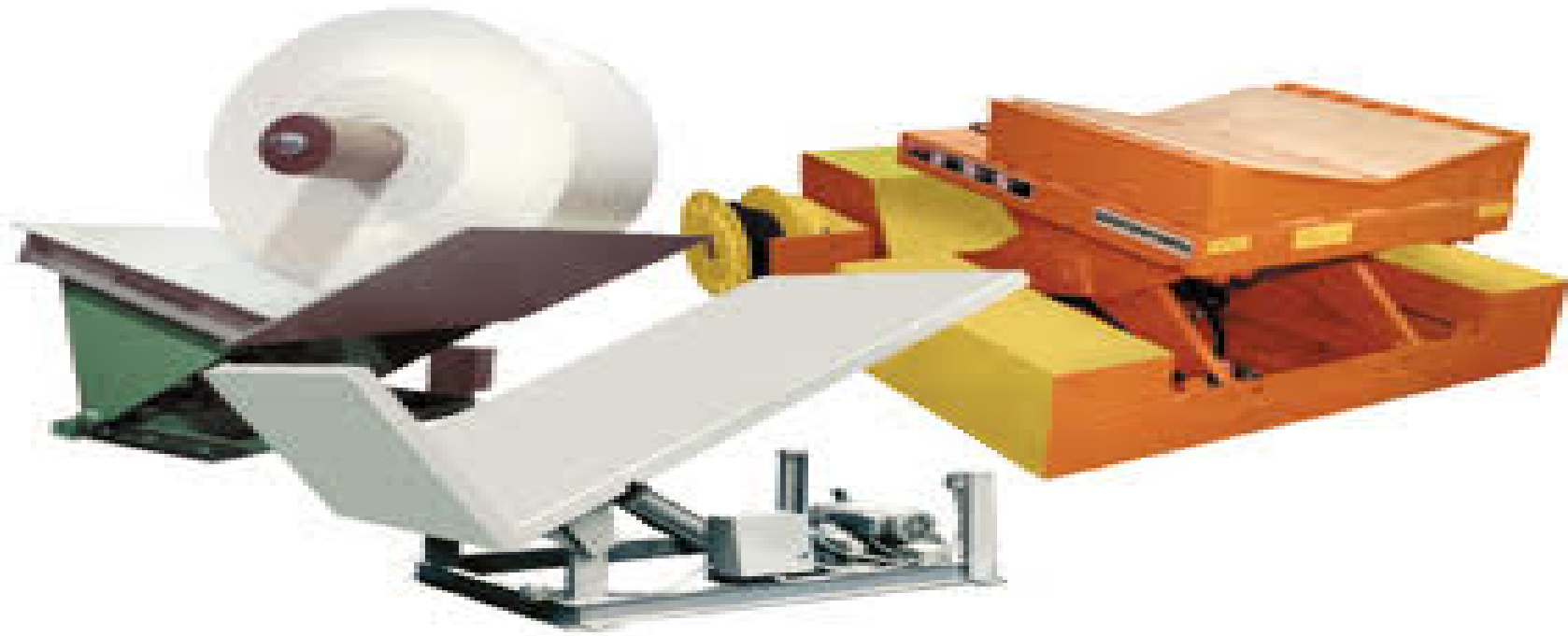




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Chevron Big Foot Case Study Highlights





Big Foot Hull

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