

Golden Bear Lock & Safe, Inc., Columbus

Intervention keywords: Stair Climber, Hand truck, Dolly

Industry: Service, Other

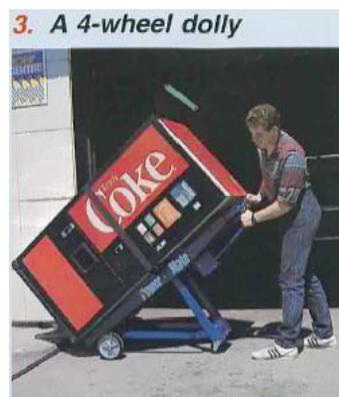
Risk Factor(s): Manual Material Handling-lifting/carrying, High Hand Force-pinching/gripping

Situation:

Golden Bear Lock & Safe, Inc. is a commercial and residential sales & service company that sells safes in addition to other security related products. The size and weight of the safes (between 50 and 500 lbs), poses an increasing threat of CTD injuries, especially during transportation. The current moving process is all manual, using an older, outdated dolly and back support braces. The method used to move up and down steps is all manual labor, 2-3 men move the safe up or down stairs by one man in front of the safe pulling, the other behind the safe pushing. The method used to load the safe in and out of the pickup truck is 2-3 men lift up from a dead lift. Although Golden Bear Lock & Safe have not had any serious injuries using these current methods, it does pose a high risk of back and spinal cord injury.

Solution:

Golden Bear's solution to their problem was to purchase electronic dollies to alleviate the risk of back strain while moving safes. Their choice was "PowerMate" motorized electric hand trucks. The M-1 PowerMate allows safes to be moved up and down stairs with very little manpower. The LE-1 PowerMate will lift safes up in the air from a dead lift, allowing it to be loaded into and out of a truck, or up onto a platform. Total cost for the intervention was \$8,249.99. Golden Bear Lock & Safe, Inc. received \$6,122.92 in assistance from SafetyGRANT\$ to offset the costs.



Results:

- CTD Risk Factor Scores decreased 66% following the intervention.
- Golden Bear Lock & Safe, Inc., did not experience any losses prior to the intervention and remained at 0 following the 2 year study.