

Job safety analysis leads to a 50% drop in overextension claims

Risk Control Case Studies from Liberty Mutual Insurance



Industry: Manufacturing

Area of Risk: Manual material handling

Our customer, a large manufacturing corporation, produces complex painted modular parts such as door handles, wheels, and hubcaps. Workers are required to move and handle heavy equipment, parts, and materials on a daily basis, which results in an above-average number of overexertion claims.

Situation

As part of the production process, workers burn excess paint off of parts in an oven. They push 200 lb. jigs from one end of the facility to the burning room. They manually lift the jigs onto heavy racks, turn the racks, and push them into the oven. Manual material handling claims associated with this process accounted for 75 percent of all claims (averaging \$17,000 each) and 80 percent of claims costs over four years.

Risk Control Recommendations

Recognizing there was a problem, the company called our Risk Control Consulting Center for help. Partnering with their safety committee, our consultants performed a job safety analysis using our proprietary Residual Risk Reduction™ tool. This tool helped us analyze their process in order to reduce the frequency, likelihood, and severity of injuries.

Our risk control consultants made the following recommendations:

- Install a motorized pallet jack and lift assist system to minimize lifting efforts
- Institute a maximum stack size of four jigs to reduce pushing weight
- Provide training on proper lifting techniques

Results

In just one year, overextension claims dropped more than **50 percent**, saving our customer nearly **\$200,000**.

Results by the Numbers



50% Fewer
overextension claims



\$200,000
Total Savings

Contact your local service director for more information on this program or the **Risk Control Consulting Center** at 1-866-757-7324 or by emailing RCConsultingCenter@LibertyMutual.com. Open Monday – Friday, 8 a.m. to 8 p.m. ET.

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