

Unloading Liquor Bottles with Destuff-it™

About Gorbel®

Gorbel® has over 40 years of experience providing material handling solutions that help companies improve their safety, ergonomics, and productivity.

Providing a comprehensive line of overhead lifting and ergonomic positioning equipment, Gorbel® uses a consultative approach to match solutions with industry needs. Regional distributors bring expertise to the local level while Gorbel® products are used internationally in industries ranging from heavy manufacturing to aerospace. Products include enclosed track workstation and jib cranes, monorails, G-Force® Intelligent Lifting Devices, GS Electric Chain Hoists, and Cleveland Tramrail® patented track cranes. Additionally, Tether Track™ provides fully engineered fall arrest for those working at heights.

For warehouses and distribution centers, Destuff-it™ portable ergonomic conveyors provide a safe and efficient solution for handling floor-stacked packages in shipping containers or related vessels. The Gorbel® Warehouse Solutions line also includes rugged cascading belt conveyors that can withstand even the toughest order-fulfillment environments.



Contact Information

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***“We Improve
People’s Lives”***

The Gorbel® Mission

Growth & Impact



Faster Unloading

Container unloading time was reduced by 2.23 hours



Increased Productivity

Total cases per hour (CPH) increased by 75 units



Higher Profits

Projected savings of \$121,000 annually

Unloading Liquor Bottles with Destuff-it™

Manual handling of fragile wines causing injuries and reducing productivity



The Problem

A liquor distributor unloaded 1,920 containers of internationally-sourced vintage wine each year. Due to the product's fragility, two workers were manually unloading each shipment that contained 1,148 individual cases of wine onto a flexible roller conveyor. Repetitive lifting, twisting, and overreaching resulted in musculoskeletal injuries among many workers. The company's health and safety committee decided that an ergonomic intervention could protect workers and improve warehouse productivity.

The Solution

The company considered automation, but feared the potential for damaged wines was too high – especially given the cost of fully automated systems. Ultimately, the warehouse was outfitted with Destuff-it™ machines. Increased productivity, shorter unload times, increased warehouse capacity, and reduced worker injury inspired the company to order additional Destuff-it™ machines for their other warehouses. The company estimated that Destuff-it™ machines could save them \$121,000 annually.

	Conventional Unload Method	Unloading with Destuff-it™
No. of People for Current Unit Rate	2	1
Average Time to Unload Container	2 hours	1.77 hours
Container Unload Rate (cases per hour)	575	650
Total Man Hours to Unload	4 hours	1.77 hours

