

Reduce Expensive Maintenance and Down Time

A large sporting good distribution facility in Southern Ontario, found that manually transferring loads from shipping pallets to in-house pallets was time-consuming and put great physical strain on workers.

Trans-Quip Inc. provided them with the PalletPal® Rotator/Inverter by Southworth. The rotator safely handles loads measuring 48" x 48" x 60" high, weighing up to 4,400 lbs and rotates them a full 180° at the touch of a button.

The PalletPal Rotator/Inverter is an excellent tool for anyone looking to:

- Transfer loads to or from in-house to shipping pallets or slip sheets
- Replace damaged items at the bottom of a load
- Rotate for freshness
- Replace broken pallets



The PalletPal Rotator/Inverter takes approx. one minute to complete an entire cycle (180 degrees)

The facility is extremely pleased with their rotator. Not only does it increase productivity but it's ergonomically friendly - eliminating the bending, lifting and reaching of manual restacking. Averaging 20 to 40 skids per day, they estimate it will pay for itself within 9 months.

Trans-Quip Inc. to Exhibit at IAPA - Health & Safety 2009

Trans-Quip Inc. will once again exhibit at the **IAPA - Health & Safety Tradeshow on April 20 & 21, 2009 (BOOTH 211)** in Toronto, ON at the Metro Toronto Convention Centre. This will be our 3rd year exhibiting.



Product Specialists will be on hand demonstrating equipment and discussing how you can increase productivity and reduce worker injury with our extensive line of material handling products.

Watch for our 10% Equipment Discount Coupon in the March/April issue of Canadian Occupational Safety Magazine.

Product Spotlight

PalletPal Mechanical (Spring) Level Loader

The PalletPal Mechanical Level Loader is a simple device that automatically maintains a load at the ideal height for the manual loading and off-loading of product. It's proven to increase productivity while reducing worker injury.

Wondering if this is the right solution for you? What better way to find out than to test the unit out for yourself. Our Try-Buy Program allows you to do just that. Simply give us a call and you can have the unit up and running in your facility in no time.



For further information please contact:
 Chris Daley, Product Specialist
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Mechanical Power Transmission System Replaces Hydraulic System

POWER TRANSMISSION SPECIFICATIONS:

(1) RWJT62U4D-12-LI01-MMAC-BF2M3S:2 with limit switch and (1) Bellows with epoxy paint for wet conditions

Capacity: 2 tons **Ratio:** 6:1 **Rise:** 12" travel

Lafarge North America is the largest producer and supplier of aggregates and concrete in the world.

At their facilities in Dundas, ON and St. Constant, QC, rocks and boulders are crushed for use in the road construction industry.

Once the rock is crushed it flows through a feeder and onto a conveyor system. The feeder doors, powered by a hydraulic system, were causing issues. The

doors weren't shutting properly, the hose maintenance was costly and time consuming and the hydraulic fluids aren't environmentally friendly.



With Trans-Quip Inc.'s help, Lafarge Dundas and St. Constant implemented a system that is cost effective,

environmentally friendly and keeps the machinery in proper working condition. A Joyce® power transmission system was installed along with bellows to protect the feeder door system from debris. As a result, Lafarge Dundas now has a system that is sturdy, accurate and dependable.



A special thanks to Lafarge North America for allowing us to feature their story.

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Finished and exposed machinery or machine tool parts can be expensive to replace when part cost, labour and down time are all added-up.



Trans-Quip Inc. offers a more cost effective alternative. Protect exposed parts such as lead screws, ball screws, splines, shafts, U-joints and others with [IBC brand bellows and covers](#). We'll help you choose the appropriate bellows for your application.

For further information please contact:

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Q & A

Q: Does Joyce/Dayton manufacture stainless steel screw jacks?

A: Yes they do! Joyce/Dayton stainless steel machine screw jacks/actuators are specifically designed for positioning or lifting applications in corrosive or other potentially contaminated environments. All exposed surfaces and components feature 316 or 17-4 stainless steel construction and bronze bushings. Nitrile rubber seals protect all internal mechanisms. Unlike other stainless steel jacks, Joyce/Dayton SWJ series provide full lifting capacity.



Q: What is a Linear Integrated Actuator?

Joyce Integrated Actuators are worm gear driven designs that incorporate an integrated NEMA 56C motor flange for easy motor adaptation.

Versatile Integrated Actuators are offered in both machine and ball screw models for maximum design flexibility. Four Integrated Actuator models are available including two traveling nut (rotating screw) models and two translating stainless steel tube models.



Integrated Actuators are available in capacities up to 2000 pounds and Joyce will provide standard AC, DC, or air motors at the customer's request. Joyce Integrated Actuators come in your choice of 5:1 and 20:1 worm gear ratios for speeds from 14 to 345 inches per minute. Standard Integrated Actuators are available in travel lengths up to 24" and come equipped with an output shaft, which can be used to couple two actuators for synchronous operation. Optional clevis and limit switch mounting are available as options.



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