

# TQ Review



Linear Actuators



Ergonomic Equipment



Bellows &amp; Covers



Rigid Chain

from Trans-Quip Inc.

## Joyce/Dayton Updates Product Catalogue

Joyce/Dayton recently released the 2007 screw jack catalogue. The catalogue is filled with all the previously offered jacks, actuators and systems, as well as some new additions to the product lines. These new additions include Electric Cylinders, a 750lb. Linear Actuator and a Variable Speed Positioning System.

### Electric Cylinders

The new line-up of electric cylinders are designed for use in industrial environments where protection of the lifting screw mechanism is essential and low maintenance is desirable. Requiring the mere support of electric power, Joyce® Electric Cylinders can be used in place of hydraulic cylinders, eliminating the cost and potential leaks related to hydraulic systems.

Joyce Electric Cylinders are available in three models, Standard, Motor Mount, and ComDrive, with 2.5 to 20 ton static capacity.

### 750 lb. Linear Actuator

After the successful launch of the Linear Actuator product line in 2004, Joyce/Dayton recently introduced the 750 lb. model, available in AC and DC. All Joyce motorized and integrated actuators are designed for long service life and have been tested for thousands of cycles to ensure trouble free operation. (See inset for more details)



## New Product: 750 lb. Linear Actuator

Upon achieving great success with the 2004 launch, Joyce/Dayton has added yet another model to their newest product line, the Linear Actuators. Previously limited only to 500 and 1500 lb. capacities, the 750 lb. Linear Actuator has been introduced in the new Joyce/Dayton catalogue.

All Joyce® Motorized and Integrated Actuators are designed for long service life and have been tested for thousands of cycles to ensure trouble free operation. This new model is available in AC (115 volt), as well as DC (12 volt).

Features of the 750 lb. Motorized Linear Actuator include: trunnion mounting, longlife ACME screw, cast aluminum housing, standard travels of 4", 12", 24" and 36", cadmium plated lifting tube, and a standard limit switch. Options for the new actuator include inline mounting and limit switch with 10 turn Potentiometer.

The motor on this linear actuator is a totally enclosed, weather resistant, permanent magnet type. The magnets act as a secondary brake for added safety. Available in machine and ball screw designs these heavy-duty actuators can handle loads of up to 2000 pounds. Joyce actuators are offered in two distinct versions - Motorized and Integrated to serve all lifting and positioning needs.

### Variable Speed Positioning System

Joyce/Dayton has expanded their control offerings to now include a programmable controller. The new Variable Speed Positioning System (VSPS) allows the operator to easily program up to ten stopping locations, increasing the capabilities of motorized jacks.



VSPS

The VSPS includes a 2 Line HMI display with tactile feel push buttons used to control all aspects of the system operation and programming. The display read-out indicates the current position and preset stopping location.

An enclosure mounted speed control dial allows real time speed control

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of the motorized jacks. The enclosure door also features an e-Stop push button and power-on indicator to allow easy confirmation of the system's power status.

A control pendant 4-pin connector is standard with all VSPS boxes. Joyce also offers a two button pendant to allow the operator to control the system away from the control box.

The VSPS is designed to operate motors between 1/3 and 3 horsepower, and between 200 and 460 volt three phase power.

To request a copy of the 2007 Joyce/Dayton catalogue, call Trans-Quip Inc. at 1-866-261-0251 or email [info@trans-quip.com](mailto:info@trans-quip.com). The catalogue is also available online at [www.trans-quip.com](http://www.trans-quip.com).

## Test Drive a PalletPal® : Try-Buy Program Now Available

It's not often that a business has the opportunity to evaluate a piece of equipment prior to purchasing. The PalletPal® product line of ergonomic palletizing equipment, available from Trans-Quip Inc., offers a one week try-buy program.

It's a simple process:

1. Select the appropriate model to suit your application
2. Complete a short Try-Buy Agreement
3. Put the equipment to work at your plant

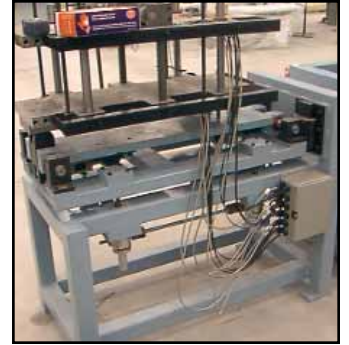
We know that once your workers have had a chance to use the PalletPal to load and unload pallets, you won't hesitate to recommend purchasing the unit.



Many different PalletPal models are available for this program. Contact Chris Daley, 1-866-261-0251 or [cdaley@trans-quip.com](mailto:cdaley@trans-quip.com), to determine the best product for you, and we'll work with you to get the try-buy program started.

## FEATURED APPLICATION Screw Jacks Used to Raise Conveyor Bed

Winnipeg, MB based Omniglass Corp. designs and manufactures extrusion machinery as well as molded fiberglass framing for windows. The existing stationary belt conveyor had to be modified in order to raise the bed to different heights to accommodate various window frame extrusion sizes. Since the conveyor is comprised of two machines, each had to be able to raise and lower its conveyor bed independently.



Trans-Quip Inc. provided the answer with four WJ250-8-UP-T2 machine screw jacks, two per machine. Using screw jacks provided a cost effective solution as very little modification to the conveyor had to be made.

### JACK SPECIFICATIONS:

Model: WJ250-8-UP-T2  
Capacity: 250 lbs. Ratio: 5:1 Rise: 8"  
Screw Type: Machine Screw Jack

*A special thanks to Omniglass for allowing us to feature their story.*

## Q & A

### Q: Are there any options/accessories available for my PalletPal Level Loader?

A: Yes. There are a number of options and accessories that can be purchased both at the time of order or some items even after delivery. They include:

- bellows/skirting
- solid table top
- rectangular table top
- custom fork truck pockets
- semi-live portability
- casters
- levelling feet
- stainless steel and other protective coatings

Please ask our Product Specialist for more information or visit [www.trans-quip.com](http://www.trans-quip.com).



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