

Screw Jacks Used in "Multi-Task Machine"

Cambridge, ON based Todd Engineering is a design and fabrication company specializing in machinery targeting the automotive, woodworking, plastics and metal working industries. The company was approached by a customer to design a polishing machine for individual components which vary in width and length.

During the design process, Todd Engineering was able to eliminate the need for multiple machines that would normally be required to handle the polishing process by creating and fabricating a "multi-task machine". With Trans-Quip's help, they were able to develop their idea and bring it to market. By adapting one Joyce® machine screw jack (model: WJ250U2S-5-STDX-STDX-X) to each of the polishing wheels, this multi-task polishing machine is easily adjusted. The hand wheels manually raise and lower the machine screw jacks positioning the polishing wheels to match to the size of each component.

** A special thank-you to Todd Engineering for allowing us to use their story*

Model: SJ250U2S-STDX-STDX-X **Capacity:** 250 lbs
Ratio: 5:1 **Rise:** 5:1 **Screw Type:** Machine Screw Jack



Hand wheels are used to raise and lower the screw jacks

Featured Product

Joyce Bevel Gear Jacks

Joyce Bevel Gear Jacks offer higher efficiency and greater speed than other mechanical screw jacks. Bevel Gear S Series jacks provide the benefit of a self-locking screw (no special break is required to prevent the jack from lowering under load). Spiral Bevel Gears increase strength for higher capacities.



Bevel Gear jacks also act as a miter gear box, making them an ideal choice for multi-jack systems. As many as three output shafts may be specified for mounting motors, limit switches, readout devices and other accessories. Bevel Gear jacks are also available complete with reducer or direct drive in a ready-to-run package. Translating screw and keyed designs are also available along with protective boots.

Visit www.trans-quip.com/Product/ScrewJack for more information.

For further information please contact:
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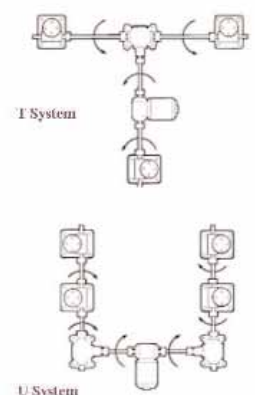
Q&A

Q: What kind of accessories are available for Joyce screw jacks?

A: Trans-Quip Inc. offers several different Joyce screw jack accessories. They include Variable Speed Positioning System (V.S.P.S.), Protective Bellow Boots, Motor Mounts and Stock Motors, Motor Starters for motorized screw jacks, Encoders, Anti-Backlash Devices, Limit Switches on screw jacks and actuators, Trunnions, Gear Potentiometers, Handwheels and Counters. For greater detail please visit: www.trans-quip.com/Product/JackAccessories

Q: What makes up a Powertrain System?

A: A Powertrain System is made up of the following mechanical actuation components: Joyce screw jacks, miter gear boxes, motors, couplings and shafting. Systems can be arranged based on your specific application (see pictured examples). To learn more about powertrain systems visit:



www.trans-quip.com/Product/PowertrainSystem

Southworth® Lift Table with Stainless Steel Epoxy used in Food Industry

The Health and Safety Team at Unilever Canada in Peterborough, ON faced an ergonomic challenge in their pasta sauce preparation area. The vegetables used in the sauce arrive boxed and on pallets. Workers were having to bend repeatedly in order to feed vegetables into the dicing machine. The team was concerned about musculoskeletal injuries caused by the repeated bending and contacted Trans-Quip Inc. for a solution.

Trans-Quip Inc. provided them with the Southworth SW-LS2-36X model — a 2,000 lb hydraulic lift table with a 40" x 48" platform. Since the lift is being used in a food preparation area it was finished with stainless steel epoxy. To prevent the scissor assembly and hydraulic components from getting wet during cleaning, bolt on accordion style bellows were added.

The lift has a low height of 6 3/4" and a raised height of 42 3/4" with a vertical travel of 36". It only takes 21 seconds to rise, keeping production moving quickly. An excess flow protector keeps the table from free falling should a hydraulic failure occur.

For reliable performance and long service life, many quality features are standard in all Southworth lifts including, but not limited to, lubricated for life bushings, heavy duty hoses, built in safety chock and wear indicating rollers and roll retainers.

The Unilever Health and Safety Team are very pleased with the equipment and have successfully eliminated the risk of back injury for workers feeding the vegetable dicing machine by incorporating the Southworth Lift Table into their production.

** A special thank-you to Unilever Canada for allowing us to use their story*

Model:	SW-LS2-36X
Capacity:	2,000 lbs
Platform Size:	40" x 48"
Raised Height:	min (6 3/4") max (42 3/4")
Rise Time:	21 seconds



Southworth Lift Table at Unilever Canada

Try it BEFORE you buy it!



Our *TRY-BUY Program* enables you to try the PalletPal Mechanical Level Loader in your facility for up to two weeks without having to purchase.

We can have a demo unit in your facility in no-time. Contact our product specialists to make it happen.

Features include:

- No power source required
- Heavy-duty springs bring pallet to ergonomic height
- Rugged tubular steel frame for loads up to 4,500 lbs
- Low-friction bearing-supported turntable for near-side loading and unloading,
- Wide base for free standing stability
- Fork pockets for relocation by fork truck.

Trans-Quip's NEW Website

Trans-Quip Inc. has officially launched a new website. The modernized site is user-friendly, features up-to-date content and provides greater product detail.



You can now easily access product information for all available brands, including specifications and pictures. Solution Stories from various industries are also available to help you better identify the products, their uses and how you can implement them in their own facilities. Past and present issues of the TQ Review E-Newsletter are also available for viewing and you can sign-up to receive future issues.

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