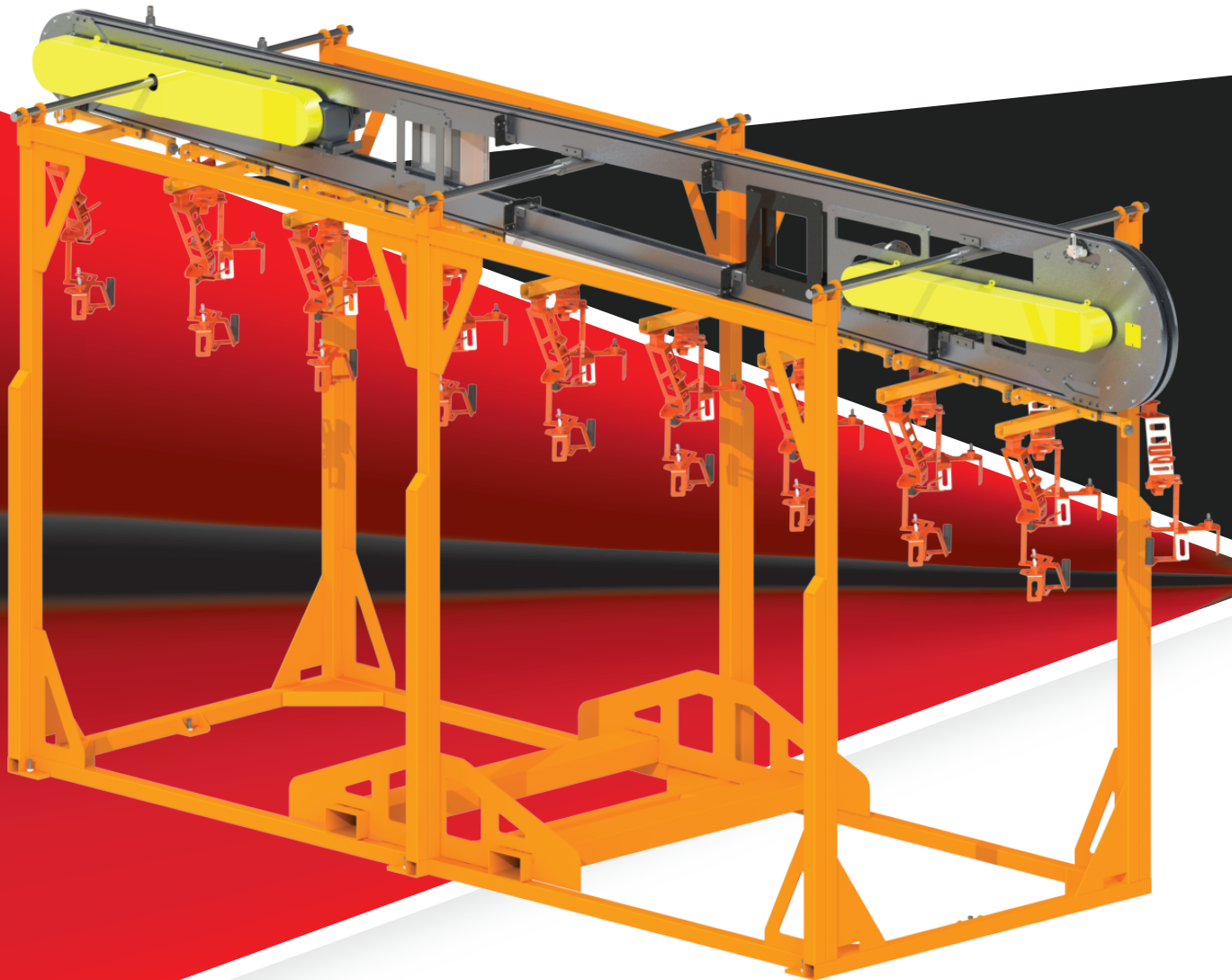




KNIGHT

GLOBAL



Accumulators

Accumulators

Features and Benefits	1
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Knight Global | Warranty Information

Knight warrants that its products and parts shall meet all applicable specifications, performance requirements, and be free from defects in material and workmanship for one year, (Servo Systems for two years, Pneumatic Lift Tables for 5 years), from the date of invoice, unless otherwise noted. One exclusion would include any purchased components not manufactured by Knight and their specific individual warranties. Paint defects, scratches and marring from shipping are also excluded.

This warranty shall not cover the failure or defective operation caused by inadequate training provided by customer regarding the operation and / or maintenance of the tool, misuse, negligence, misadjustment, or any alteration not approved by Knight. Knight's obligation is limited to the replacement or repair of Knight's products at a location designated by Knight. Buyer is responsible for all associated internal removal and reinstallation costs as well as freight charges to and from Knight Industries. Knight's maximum liability shall not in any case exceed the contract price for the products claimed to be defective.

Any field modification made to Knight Products or Systems without the written authorization by Knight Global shall void Knight's warranty obligation.

Knight warrants the Servo Hoist, Arms, and Tractors to be free from defects in material or workmanship for a period of two years or 6000 hours use from the date of shipment.

Knight Distributors/ Agents are not authorized to circumvent or change any of these terms and or conditions of this warranty unless prior approval is received in writing by Knight Global Management. Verbal statements made by Knight Distributors/ Agents do not constitute warranties.

On a design and build job, the customer is the owner of the equipment once they authorize shipment. The purchased equipment can not be returned for reimbursement or credit.

DISCLAIMERS: OTHER THAN AS SET FORTH HEREIN, NO OTHER EXPRESSED WARRANTIES, AND NO IMPLIED WARRANTIES, ORAL AND WRITTEN, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE BY KNIGHT GLOBAL WITH RESPECT TO ITS PRODUCTS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

KNIGHT GLOBAL SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR ANY INCIDENTAL, SPECIAL AND/OR CONSEQUENTIAL DAMAGES WHATSOEVER, WHETHER OR NOT FORESEEABLE, INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOST PROFITS AND ALL SUCH INCIDENTAL, SPECIAL AND/OR CONSEQUENTIAL DAMAGES ARE HEREBY ALSO SPECIFICALLY DISCLAIMED.

KNIGHT GLOBAL WILL NOT BE LIABLE FOR ANY LOSS, INJURY OR DAMAGE TO PERSONS OR PROPERTY, NOR FOR DAMAGES OF ANY KIND RESULTING FROM FAILURE OR DEFECTIVE OPERATION OF ANY MATERIALS OR EQUIPMENT FURNISHED HEREUNDER.

We are committed to
Total Customer Satisfaction
through
QUALITY, RELIABILITY and
EMPLOYEE INVOLVEMENT.

Accumulators

Knight Accumulators

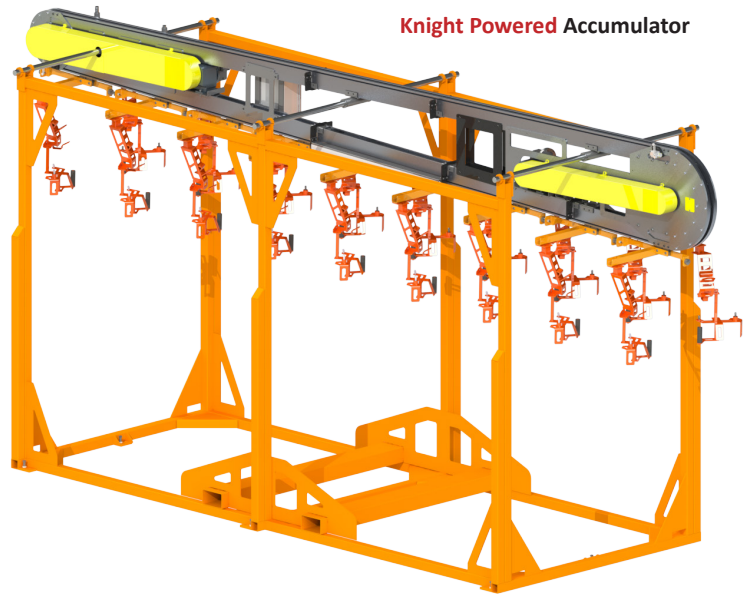
Knight Accumulators present customer product and allow the operator to continuously work without the need to stop for customer product reload. Accumulators are available in Gravity Over-Under, Powered and Custom accumulation configurations. Each accumulator system is custom designed and built to your applications requirements. A Knight Representative will assist you in choosing the right solution for your application.

Features and Benefits

- Gravity and Powered Systems.
- Single/ Tandem/ Dual Track Systems.
- Floor Mounted or Overhead Configurations.
- Fully Automated or Operator Initiated Systems.
- All Hangers/ Nesting Fixtures are specifically engineered to fit the part being transferred.
- Low Friction Trolleys on Extruded Aluminum Surfaces.
- All parts can be Specifically designed to Customer Needs.
- Durable and Reliable.
- Easy to Operate.
- Max. Capacity: Up to 50 lbs./ ft. [23kg]. **

*Includes weight of end effector.

*(Contact Knight for requirements over 50 lbs.)



Note: Listed Knight Global Powered and Gravity Accumulator configurations are standard. Custom configurations are available upon request.



Powered Accumulator

Knight's Powered Accumulators create a safe and efficient workplace by transferring parts between two independently powered workstations; this allows for complete operator control on each end of the Accumulator. Knight's Standard Powered Accumulator System has two low maintenance air motor drives with dual speed reducers. Powered Accumulator can be designed to fit a multitude of applications.

Custom Dual Sided Gravity Over-Under (Shown)

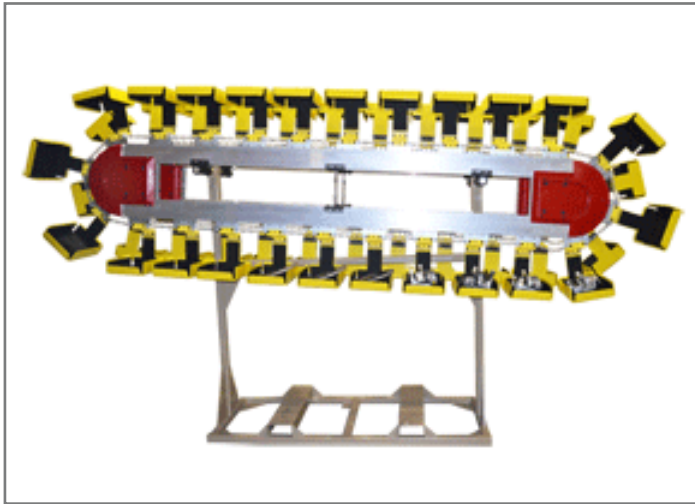
Accumulators



Custom Bulk Loader Accumulator

Knight Bulk loaders are powered or manually operated systems that transfer small or large quantities of parts at a time. Deck size is designed to your application with tilt or rotational capabilities. Bulk loading accumulators can be designed to fit a multitude of applications. Bulk Loaders are an efficient way to save space and organize a workstation at the same time. For more information, contact a Knight representative.

Custom Bulk Cap Loader (Shown)
Manufactured with Stainless Steel



Gravity Over-Under Accumulator

Knight's Gravity Over-Under Accumulator is an efficient way to transfer parts between workstations for assembly applications. Knight's Gravity Accumulator does not require a power source making it cost effective and virtually maintenance free. Knight's Gravity Accumulator can be used as an overhead system or a floor supported stand.

Knight will custom design all Hangers/ Nesting Fixtures to fit the part being transferred. Knight Global's Gravity Over-Under Accumulator System can be designed to fit a multitude of applications. Contact a Knight representative for more information.

Custom Dual Sided Gravity Over-Under (Shown)

Note: Accumulators are available with a variety of accessories, safety features and equipment. Optional Safety Equipment including but not limited to; perimeter fence guarding, safety mats, audible signals, light signals, toe guards, special control guarding, etc. are not included unless otherwise stated in the product descriptions. Please check with your state, local or plant safety for requirements. Please contact your local Knight Global representative for more detailed information. Knight Global will be happy to quote any and all safety equipment needed to meet your requirements.