



# KNIGHT

GLOBAL



## Carts / Smart Carts

rev.20210304

## Introduction

Overview . . . . .	1
--------------------	---

## Cart Series

Features and Options . . . . .	2
Hydraulic Carts . . . . .	3
Smart Cart Series . . . . .	4

## 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.

# Overview

Knight Global Carts and Smart Carts are designed to be customized to handle a wide variety of material handling needs. Each cart is tailored to the customer's specific application. Knight Carts are also designed to be integratable with Knight Lift Tables.

Carts are the ideal choice for transferring, lifting and/or rotating products to an ergonomically correct position when portability is required. Knight Global Cart Systems are available in manually operated configurations or our electric operated Smart Cart configuration.



Custom  
Battery Push  
Cart

## Features

- Link multiple Carts Together.
- Removable Push Bars.
- Foot Actuated Brakes.
- Tongue Locks in up Position.
- Maximum Capacities: **Varies Upon Application.**

## Options

- Recessed Receiving Hitch
- Rotating platform Carts.
- Lift Platform Carts
- Multiple Shelving Carts.
- Push / Tugger Configurations.



Safety Drop Stop  
Smart Cart

## Configurations

- Forkless Carts / Forkless Rotating Carts
- Smart Carts
- Cart Lifts / Custom Carts
- Hydraulic Cart Lifts



Custom Container  
Push / Tugger  
Cart

# Cart Series

If standard cart designs do not fit your specific application, Knight Global can design customized carts to accommodate a wide variety of material handling needs. Each cart is tailored to the customer's specific application.



**Custom Carts**

Designed per application. Open or fully enclosed with vinyl covers or solid doors. Available in a variety of configurations such as: Static Carts, Rotational Carts, Tilt Carts, Transfer Carts, Corral Carts and more.



**Forkless Tugger Carts**

Forkless Cart systems allow you to link the carts together and tow several carts at once. The cart's brake automatically disengages when the tongue comes down. Manually operated foot brake also included with cart.



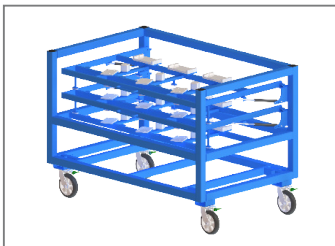
**Push Carts**

Forkless Rotate Carts are available in either push or tugger configurations. Can be configured with a rotational or static top. Capacity up to 1,500 lbs. [680kg].



**Lift Cart**

Cart lift systems position the cart and contents in a ideal ergonomic position so workers are more productive. They are equipped with cart to table interlock systems.



**Dunnage Rack Carts**

Dunnage Racks are custom designed to store and transfer parts. Every rack is custom designed to your application. Multiple options and sizes are available.



**Portable Cart Lifts**

Small footprint, fork-free lift that raises cart to operator working level. Rear wheels allow operator to transfer the empty cart to multiple locations without the use of a fork truck.



**Controlled Drain Carts**

Controlled drain cart and nestings are used in the assembly or disassembly of transmissions and other components. Carts are designed to your application with or without a wet cart self contained oil drainage storage system.

# Hydraulic Cart Lift

Knight's Hydraulic Cart Lift is a fork-free lift that raises carts to the operators working level for a safe and efficient workplace. Hydraulic Cart Lifts reduce time lost to personnel injuries and helps increase productivity. Cart Lifts provide additional vertical travel distance in small footprint areas over typical scissor lifts. Knight Hydraulic Cart Lifts come equipped with hydraulic steel fittings and stainless steel braided hydraulic hosing for increased durability are optional.

## Features

- Steel Construction.
- Stainless Steel Hydraulic Hosing.
- Ground Level Loading Height.
- Length of Travel: **Up to 31 in. [58mm]**.
- Front or Side Load Configurations.
- Fork-Free Loading.
- Max. Capacity: Up to **2,000 lbs. [904kg]**.

## Options

- Pit Mounted (Angled Toe Guards, External Mounted Pit Guards or Auto Safety Bars are required).
- Corner Gusset Tabs (No Extra Charge).
- Ratchet Safety Stops.
- Pneumatic or Electric power controls for hydraulics.
- Hand Held Push Button.
- Pedestal or Foot Control.



Knight's Hydraulic Cart Lift can be designed to fit a multitude of applications. Contact a Knight representative for more information.

Maintenance Lock-Out Bars are standard on all Knight Global tables. All tables are inspected and tested before they leave our facility.



# Smart Cart Series

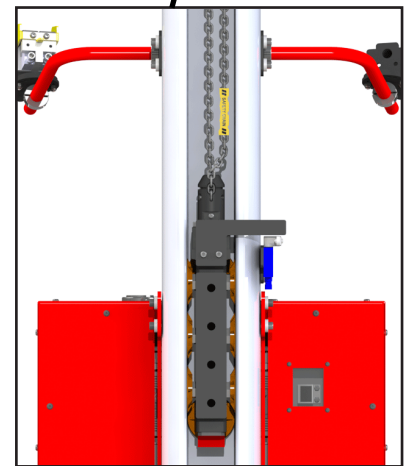
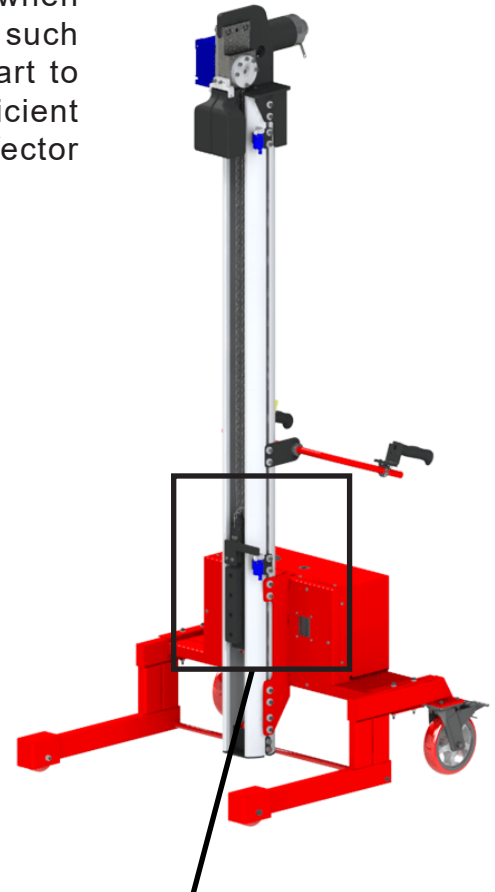
## Knight Smart Cart Series

Knight Smart Carts are designed to be customized to handle a wide variety of material handling needs. The Smart Cart is ideal when portable powered manipulation is required for an application such as use in laboratories. Knight Global will tailor each Smart Cart to each customer's specific application, this insures a safe and efficient workplace. Knight will also design and build a custom end effector for your applications.

All of Knight Global's Carts can be designed to fit a variety of applications. All Carts are inspected and tested before they leave our facility. Contact a Knight representative for more information.

## Features and Options

- Redundant chain design for safe operation.
  - Load Chain: Carries the load.
  - Safety Chain: Rides along for redundancy.
- Two buckets to keep chains separated.
- Easy to operate and maneuver.
- Light-weight lithium-ion battery.
- Built-In Charger.
- Digital Voltage Display.
- Travel Limit Switches.
- Delivered Fully Assembled.
- Lift Speed: 5 in. [127mm] to 6 in. [152mm] ips at 275 lbs. [125kg].
- Max. Capacity: **Up to 400 lbs. [181kg]**.
- Optional Customized End Effector.
- Height of Cart.
- Lift Height.
- Legs (Standard, Low Profile, or Custom).
- Base Size.



Safety Drop Stop  
Chains

Note: Knight Carts and Smart Carts are available with a variety of accessories, safety features and equipment. Listed Knight Global Cart configurations are standard. Custom configurations are available upon request. Optional Safety Equipment including but not limited to; 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.