



CONCEPTUAL INNOVATIONS

ENGINEERING FROM CONCEPT TO INNOVATION



Drive Cart

Motor Powered Towable Cart

Motor Powered Carts

Increase Productivity, Eliminate Overexertion Risk



- Cart Designed and Built to your exact specs
- Motor Powered, minimal push force
- Towable, ideal for Tugger Trains

Increase productivity and eliminate risk with the Drive Cart from Conceptual Innovations. This motor powered cart eliminates manual pushing/pulling and can move up to 10,000 lbs.

The Drive Cart can also be towed, for longer distance transport. Then easily re-engaged for maneuvering from train to work area, eliminating a major constraint in material transport.



Advanced Features

Design, Engineering, Prototyping and Build Service

Battery Charging Options

- 🔄 Self Charging E-GEN Casters, charge during towing cycle
- ⚡ AC Charging suggested for overnight charging
- ↔ Quick Battery Exchange, replace batteries easily with quick access compartment

Engage/Disengage with Tow Bar

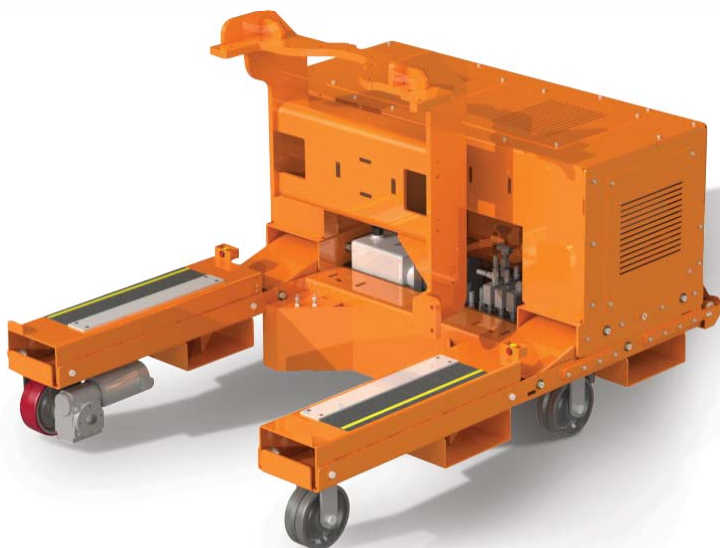
- ⊕ Position of Tow Bar engages and disengages power, allowing for towing or powered use

Safety Features

- ⊘ Emergency Stop Button (Easily accessible large red button on control panel)
- Ⓟ Self Locking, Drive Caster locks wheel when not in use, acting like a parking brake
- ↔ Easy to use controls, FWD, STOP, REV on the handle bar

Easily Accessible Control Panel With:

- 🔌 Power On/Off
- 🔋 Battery Meter
- 🔑 Manual Drive Caster Disengage
- ⊘ Emergency Stop
- ↔ FWD / STOP / REV Switch



Custom Built Carts

We can design and build carts to conquer your specific challenges.

- From Concept to Delivery, we understand key functional requirements, safety and logistic constraints
- Our design capabilities include integrated electrical, hydraulic and mechanical systems
- We specialize in complex kinematic systems and FEA to optimize designs.



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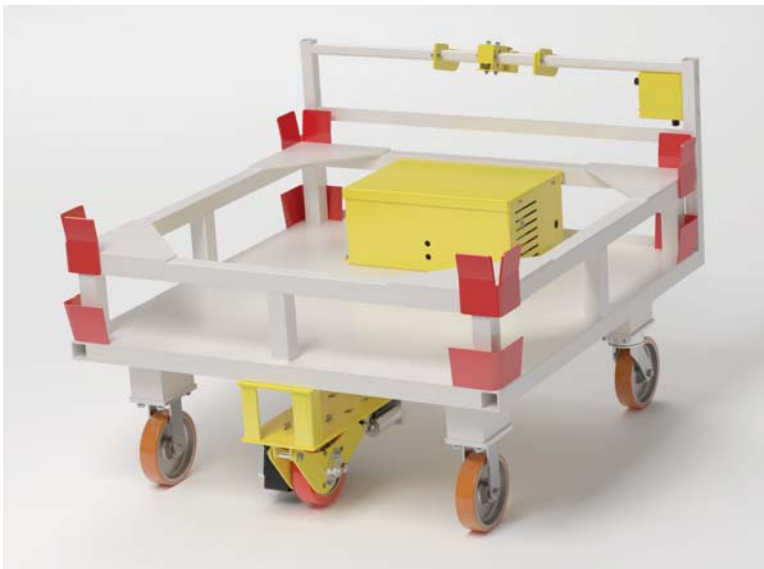


Conversion Drive Caster

Convert existing carts to powered carts.

- Fully Integrated Unit
 - Drive Caster
 - Steering Handle
 - Motor Controller
 - Batteries and User Controls
- Battery swaps out easily and quickly
- Capable of moving up to 5,000 lbs.
- Directly replaces existing swivel caster

(Bolts onto the same hole pattern, no modifications required)



Cart Retrofit Service

We can retrofit your existing carts and turn them into Drive Carts

- Complete engineering service
- Take existing cart designs & develop a Drive Cart system complete with
 - Controls
 - Drive Casters
 - Power and Charging

(Yellow components were added to cart to convert)

Product Specifications

Capacity	10,000 Lbs
Drive Motor	1/2 HP (Can add 2nd Motor for Additional HP)
Speed	1.5 MPH
Battery	12 Volt / 24 Volt 60 AH Total
Wheel Type	Polyurethane on Cast Iron
Construction	Steel
Length	Customizable up to 48"
Width	Customizable up to 48"
Finish	Powder Coating (Several Colors Available)
Assembly	Delivered Assembled