

BATTERY POWERED TROLLEYS ON WHEELS AND TAYLOR MADE AND HEAVY DUTY SOLUTIONS

WE OFFER A WIDE RANGE OF **BATTERY POWERED TROLLEYS ON WHEELS AND RAIL GUIDED POWERED TROLLEYS FOR MOVING LOADS IN THE INDUSTRIAL SECTOR.**



Jaso's steerable self-driving carts are suitable for moving all types of load at ground level, both indoors and outdoors.

They are the perfect addition for moving loads at ground level and ideal solution when transporting loads and can often be used in place of bridge cranes or forklift trucks.

Our carts are well built and modular and are available in a wide range of capacities and sizes.

At Jaso, we design and manufacture all our self-driving carts, which allows us to adapt to the needs of our customers, including producing automated guided vehicles (AGV) that allow us to adjust the type of steering to the needs of the manoeuvre.

All our carts are equipped with all the safety measures for machine movements at ground level, such as electronic and mechanical components, safety scanners and emergency buttons, horn and operating light and sound signals.

BATTERY POWERED TROLLEYS ON WHEELS

We develop and manufacture steerable (free movement) carts that can hold between 1 and 60 tonnes as standard, and higher capacities at our customers requests. They are self-driving and operated using batteries. They can move freely across smooth floors, both inside and outside the warehouse.

We work with a wide range of wheel materials (with or without bandage), the main ones being polyurethane, vulkollan, pneumatic and rubber wheels.

There are different movement settings: one steer axle, two steer axles and with bogies (free movement).

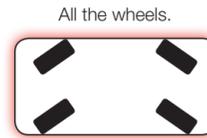
Batteries can be lead acid or lithium type.



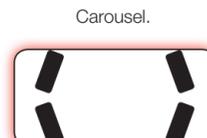
One steer axle.



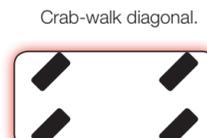
Two steer axles.



All the wheels.



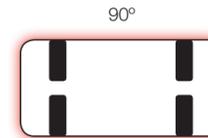
Carousel.



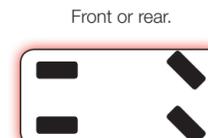
Crab-walk diagonal.



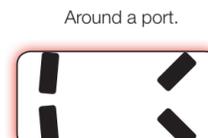
Bogies: 4 sets of fully steerable wheels.



90°



Front or rear.



Around a port.

Volume (Tonnes)	Total height (mm)	Structural profile height (mm)	*Width (mm)	*Length (mm)	No. of wheels (drives)	Minimum turning radius of the outer wheel (mm)	Approx. weight (kg)	Max. wheel r. (kg)
Up to 20	1000	≤ 300	2000-2500-3000	3500-4500-5500	4 (2)	5150	3000	2750
20-40	1100	≤ 400	2500-3000-3500	4500-5500-6500	4 (2)	6300	6100	6525
40-60	1200	≤ 500	3000-3500-4000	5000-6000-7000	8 (4)	6500	7900	11975

*The width and length of each volume can be combined for the various options.



SAFETY AND ADVANTAGES:

Standard:

- Electronically controlled electric propulsion. Alternating current (AC) electric motors.
- Movement controlled with frequency inverters, which allows the cart's acceleration and braking to be inverters.
- Emergency buttons, horn and operating light and sound signals.
- Easy access to all components for maintenance purposes. Single-axle steering with an angle of rotation of +/- 25°.
- Reinforced structural design.
- ECO mode, with batteries recharging while braking.
- Lead acid batteries.

Premium:

- LED control screen.
- Position and operating LED lights. Safety scanners.
- Customisable bed according to the needs of the customer (size, shape and way of operating).
- Fast charging.
- Lithium batteries.
- Exchangeable batteries.

*The Premium components can be added individually to the standard model.

RAIL GUIDED POWERED TROLLEYS

We design and manufacture rail guided powered trolleys carts (straight-line movements) with capacities from 1 to 500 tonnes with different power options.

- Battery
- Cable reel
- Electric line

- Induction
- Diesel Generator

MAIN FEATURES:

- Our designs cover any type of rail.
- Electronically controlled electric propulsion. Alternating current (AC) electric motors.
- Movement controlled with frequency inverters, which allows the cart's acceleration and braking to be adjusted.
- Speeds of up to 60 m/min.
- Self-loading (optional)
- Automated (optional).
 - Laser.
 - Encoder.
 - Magnetic/Inductive by limit switches.



TAILOR-MADE AND HEAVY INDUSTRY SOLUTIONS

We also manufacture custom carts, providing heavy industry solutions such as ladles, rail transfer carts and carts for moving large components for the wind energy and naval sectors with capacities of up to 500 tonnes.

