

# MagiCart

Leading the way in manual handling solutions

## MagiCart — Tomorrow's systems today

- ▶ Ergonomic — move heavy loads safely and easily
- ▶ Controlled movement — touch-sensitive handles
- ▶ Effortless — power-assisted
  - ▶ Reduce injury
  - ▶ Increase productivity
  - ▶ Increase profitability



[www.MagiCart.co.uk](http://www.MagiCart.co.uk)



MGK (Scotland) Ltd.  
Creating a flexible  
environment

# MagiCart & how it works

**MagiCart** is an innovative product. It is based on the traditional four-wheeled platform truck but it has an important difference — movement is controlled via the patented sensor handles, which activate the linear electric drive motors by pushing or pulling. Even when **MagiCart** is fully loaded, it moves smoothly and quietly. Moreover, the auxiliary drive not only reduces manual handling health risks, but also improves your employee's motivation. Unique ergonomic touch-sensitive handles direct power to their respective wheels so that steering and manoeuvring the truck is effortless.

Using **MagiCart** means that virtually *anyone* can move heavy loads safely, effectively, and ergonomically.



**MagiCart** can be used in almost any situation where you have previously used a trolley. Its touch-sensitive handles make using the **MagiCart** simple and straightforward.



## MagiCart & Health & Safety

Did you know that nearly half of all back problems could be avoided through the use of correct lifting and transport equipment?

Reducing the strain on manual handling operatives is a sure-fire way to improve productivity as a considerable proportion of all sick-leave payments is a consequence of back problems. Pushing heavy trucks and trolleys throughout the day can spell disaster for the efficiency of your business. **MagiCart** is ergonomically designed to reduce the incidence of occupational risk and injury.

**MagiCart** improves transport cycle times and productivity with its ergonomic design. Together with greatly reduced sick-leave, this adds up to a vast improvement for any business. **MagiCart** is cost-effective.

- ▶ Release the potential in your staff
- ▶ Boost productivity
- ▶ Improve working conditions

## MagiCart features

**MagiCart** incorporates many features to make light work of heavy loads.

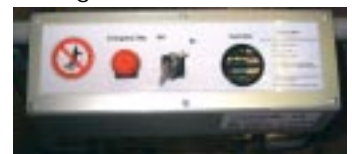
- ▶ Good manoeuvrability and mobility through narrow aisles, corridors and around corners
- ▶ Maintenance-free and gearless wheel hub drive (no wearing parts that require lubrication)
- ▶ Design speed 6 km/h; max. 12 km/h
- ▶ Power supply 24 V DC
- ▶ Heavy duty batteries, allowing up to 20 km of nonstop operation
- ▶ Safety braking automatic when handles are released
- ▶ Drive located under vehicle, allowing the entire load surface to be utilised
- ▶ External, fully automatic battery charger
- ▶ Electromagnetic parking brake helps prevent accidental movement
- ▶ Load-carrying capacity up to 500kg
- ▶ Security lockout key to prevent unauthorised use
- ▶ Ergonomically designed to reduce the incidence of occupational risk and injury
- ▶ CE marked



## MagiCart 's touch-sensitive handles

**MagiCart's** touch-sensitive handles provide superb ergonomic control and increased manoeuvrability in numerous situations:

- ▶ over problem surfaces such as carpets, uneven floors, studded vinyl floors
- ▶ when accelerating and braking
- ▶ on ramps and slopes
- ▶ around tight corners



# MagiCart & its applications

## ► Offices, Libraries & Archives

**MagiCart** can be used in the office and archive environments to transport many heavy files, books, paper, mail and other office supplies. Superstructures (as shown) can be manufactured to specification in a wide range of materials and fit easily onto **MagiCart**.



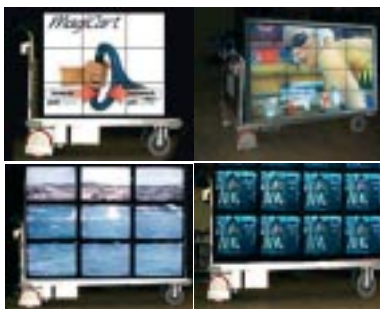
## ► Constant height levelling trolley

The self-levelling decks are designed to adjust height automatically according to load weight, eliminating the need for unnecessary bending/forward reaching of the operator and therefore reducing the incidence of back strain or injuries.



## ► MagiCart Videowall

Multi-image and large screen displays as well as interactive kiosks can be transported easily. It is also robust enough to be able to move power systems for your videowall and pneumatic tyres protect sensitive equipment over uneven floors.



## ► Catering

**MagiCart** can be used as part of the catering process. For example, it is ideal as a food transport container — safe, hygienic, and quiet.



## ► Manufacturing

**MagiCart** can be used as part of a manufacturing process. For example it is ideal as a kitting transport trolley on a production line.



## ► Warehouse & Factory

**MagiCart** makes warehouse or factory equipment transport very simple with its versatility and modular design. General purpose transport. With or without side panels.



## ► Hospital Apparatus

**MagiCart** can be used as a permanent mobile unit for electronic equipment. For example, moving sensitive or heavy equipment between hospital departments efficiently and easily.



## ► Materials Handling

Solid, granular and liquid materials handling could not be easier with **MagiCart**.

Customised units to suit your needs mean safe, efficient and trouble-free transport of materials, in whatever form they take.





# MagiCart

## ► Superstructures

Customised superstructures can be manufactured and added to **MagiCart** to suit your needs and enhance its flexibility. Please call us to discuss your specific requirements.

Give us your problem and allow us to design the solution for you.



## ► Special Applications

**MagiCart** can be converted to a ride-on library trolley. Direction and speed are controlled by a joystick.



## ► Other Configurations

**MagiCart** is also available as a docking and add-on module system to an existing trolley if required.

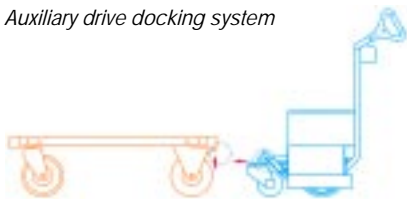


Docking system

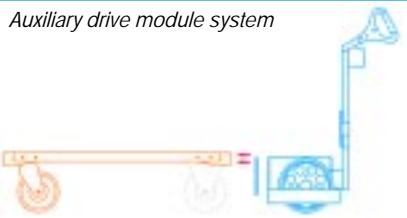


Module system

Auxiliary drive docking system



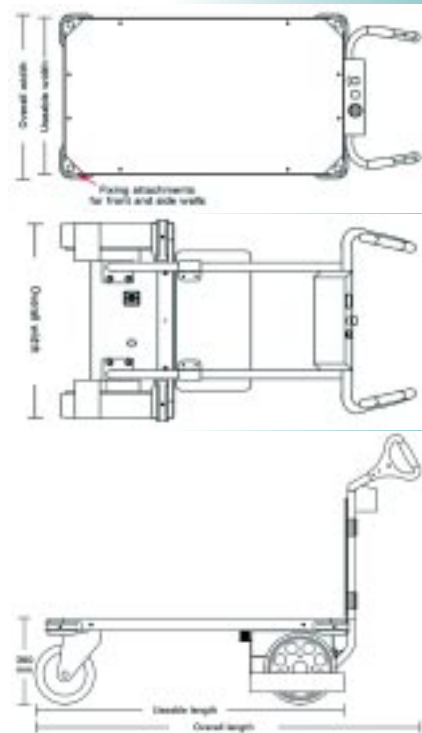
Auxiliary drive module system



## MagiCart size availability

The **MagiCart** standard system is available in different sizes and offers a complete transportation unit. Other sizes available on request.

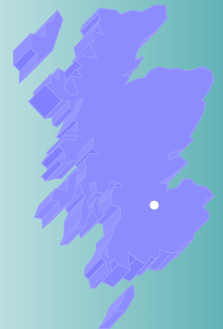
| Product | Loading Platform size (length x width)(usable) |
|---------|--|
| MaG1K   | 1000 x 700                                     |
| MaG2K   | 1200 x 800                                     |



## More MagiCart

For further information on **MagiCart**, or a demonstration, please call us. These are just some examples of **MagiCart's** versatility.

If you would like to know more about MGK's range of materials handling and fabricated products, please call us to discuss your requirements, or if you would like to receive a catalogue. MGK is located off the A71, just outside Livingston.



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