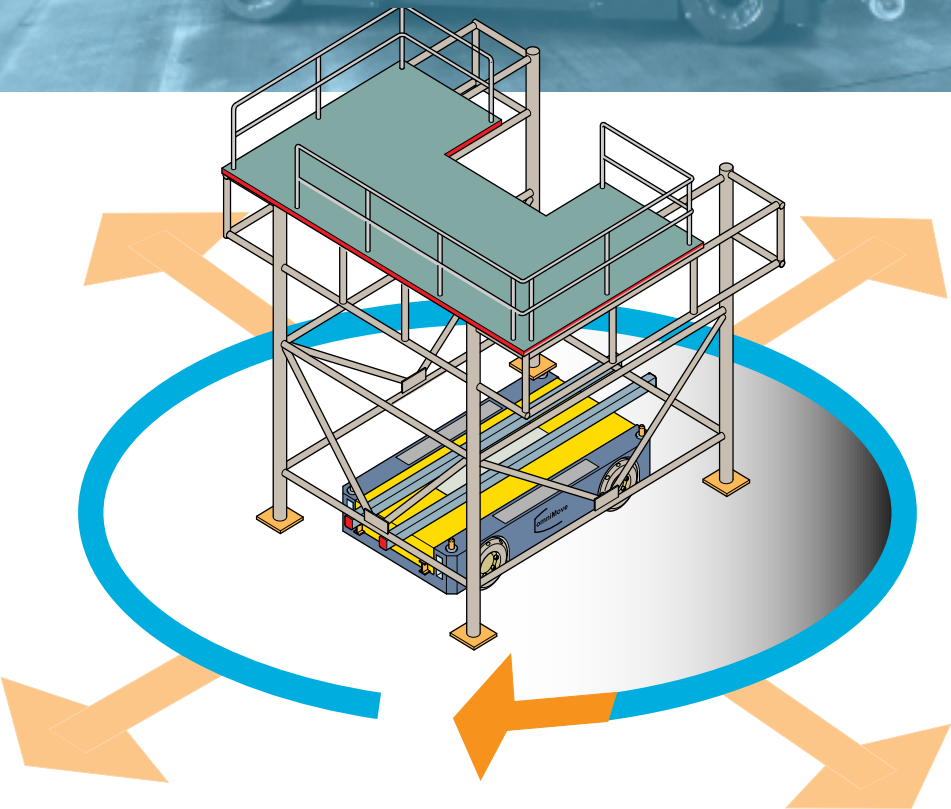
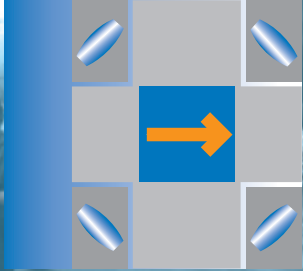
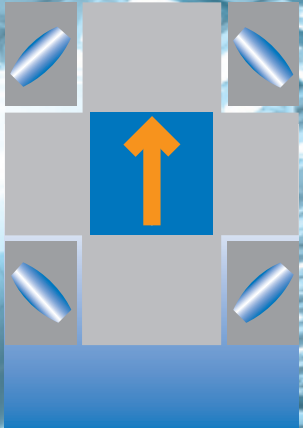


The Dock Positioner System

MERO*move*



Airport-Technik
MERO 

MEROMove ... and its additional applications

The system

The MEROMove Dock Positioner System comprises:

- MERO docking system modules
- The highly innovative omniMove chassis, for quick, safe, positioning of access equipment anywhere around the aircraft

Smooth operation

The omniMove chassis provides totally omni-directional smooth operation guaranteeing absolutely shock free manoeuvring independent of its heading throughout the full range of operations.

Single system - multi task

Developed specifically to meet the demanding requirements of the aviation industry. The equipment uses a multi-jig system, on the omnimove chassis, to provide a variety of additional applications that can be offered:

- Dock Positioner:
Smoothest and safest positioning of docks during aircraft docking procedures
- Z-Lift-Positioner:
Special lifts for maintenance and painting tasks
- Triple Lift Positioner:
Providing extremely stable work platforms
- Engine Positioner:
Designed for engine-on-ground changes, for all aircraft types, including the Airbus A 380
- Landing Gear Positioner:
Compatible with the entire range of Airbus and Boeing aircraft, for handling the main landing gear, tyres and brakes.
- Platform Positioner:
Fitted to any individual scissor-lift type platform

The range of components, and options that can be fitted, will ensure that all types of aircraft maintenance tasks are catered for.

Single drive - multi applications

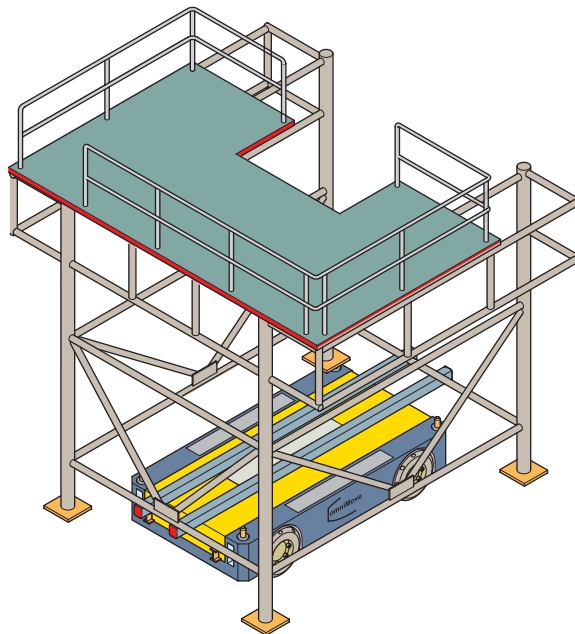
The universal drive system not only actuates the chassis for manoeuvring but also controls any additional component integrated functions: lifting, raising, fixings, etc..

One single system for multi applications.

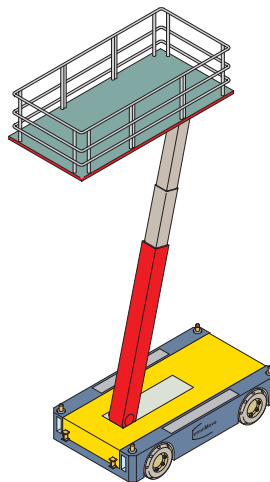
Highest cost efficiency

Using the omniMove system can realise enormous cost savings by reducing the number of assets required to move these specialist items into position. There is no need to have an omniMove for each equipment that you need to position.

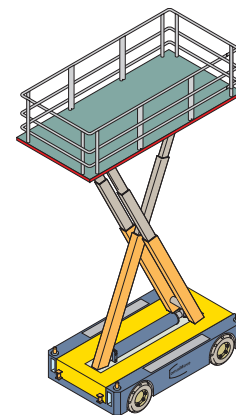
When not in-use the specialist equipment can be removed, from the omniMove, and replaced with different types of specialist equipment thereby providing maximum utilisation.



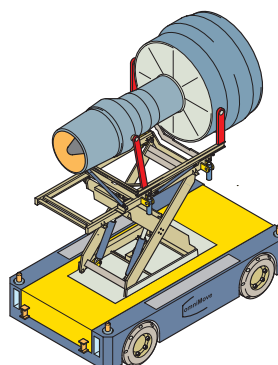
Dock Positioner



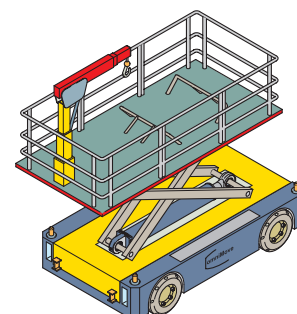
Z-Lift Positioner



Triple-Lift Positioner

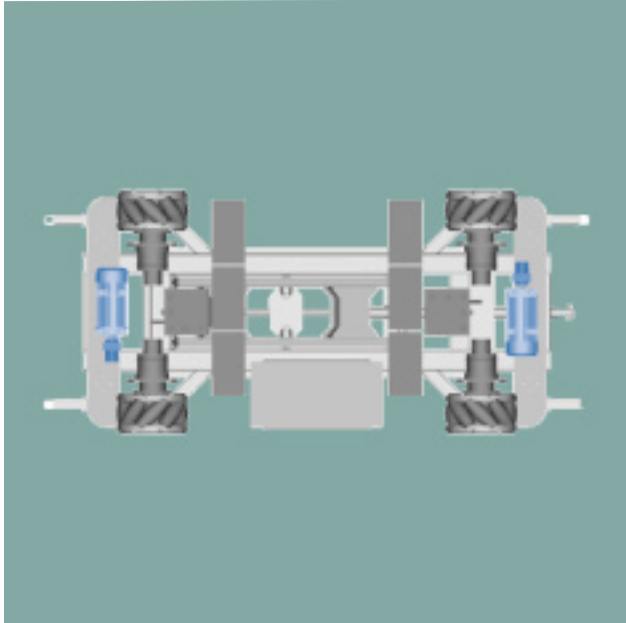


Engine Positioner



Landing Gear Positioner

The drive gear



The omniMove drive gear consists of two identical drive units fitted with omniMove wheels. Each wheel comprises an hydraulic motor, a gear unit and brake.

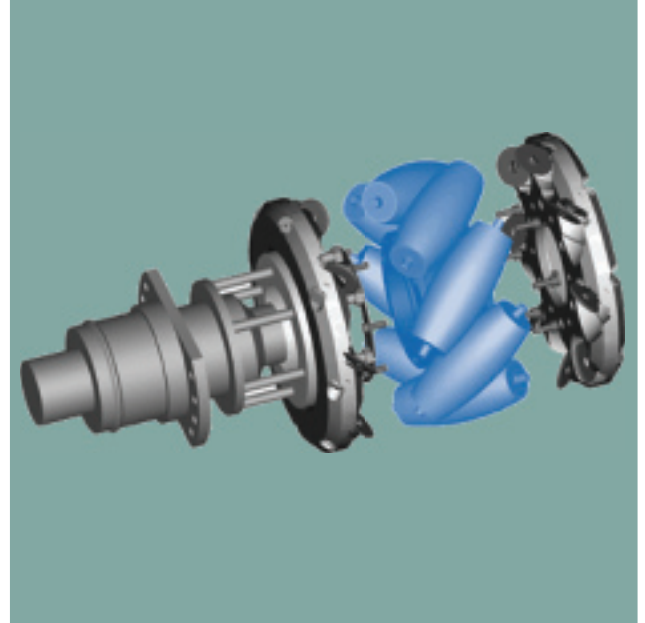
The omniMove wheel drive gear by a joystick, connected by a CAN-bus to the electronic control, enabling the operator to navigate omni-directionally like a hovercraft.

This enables the omniMove to be positioned with millimetre position.

The basic omniMove Positioner can accept various types of specialist equipments to meet your specific requirements:

- lift platforms
- mobile test stands
- positioning equipment
- and many other possible applications

The wheel



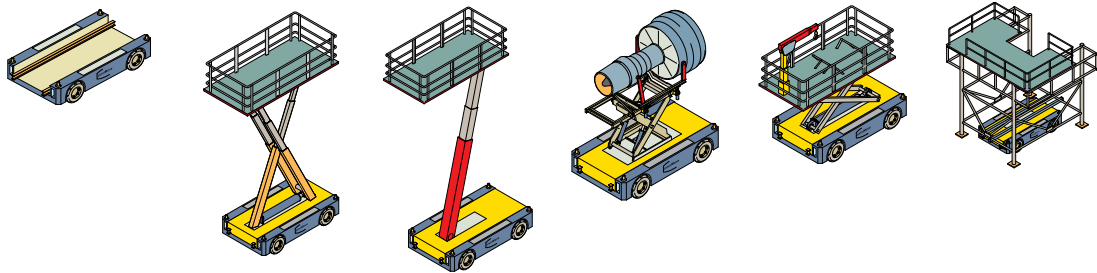
The omniMove wheel consists of eight specially shaped non-driven rollers, which are mounted between two identical stable rims.

This grouping of the rollers - in the centre of the wheel at an angle of 45° - leads to the wheel replicating the form of a circle.

When the wheel is turning the surface of the roller in contact with the ground rotates, as it does so it transfers the load to the next roller without interruption ensuring smooth progress.

The omniMove wheel is based on a 25 year old proven technology. The design ensures that the omniMove has the following advantages when compared with other types of wheels:

- The omniMove wheel is cost efficient
- The externally installed stable rims protect against damage
- It is easy to maintain and repair



Items	Positioner	Triple- Lift- Positioner	Z- Lift- Positioner	Engine- Positioner	Landing Gear Positioner	Dock Positioner
Platform- Dimensions		4.000x2.500 mm	4.000x2.500 mm		4.000x2.500mm	
Platform Height down		600 mm	600 mm	800 mm	600 mm	
Platform Height up		8.000 mm	8.000 mm	3.500 mm	3.500 mm	
Payload capacity	8.000 kg	1.000 kg	500 kg	8.000 kg	8.000 kg	8.000 kg
Total height	600 mm	9.100 mm	9.100 mm	3.500 mm	3.500 mm	
Min. height	600 mm	1.700 mm	1.700 mm	800 mm	600 mm	800 mm
Total length	4.000 mm	4.000 mm	4.000 mm	4.000 mm	4.000 mm	4.000 mm
Total width	2.500 mm	2.500 mm	2.500 mm	2.500 mm	2.500 mm	2.500 mm
Weight	3.000 kg	8.000 kg	7.000 kg	4.000 kg	7.000 kg	4.000 kg
Speed 1	0-1m/sec	0-1m/sec	0-1m/sec	0-1m/sec	0-1m/sec	0-1m/sec
Speed 2	0-0.2m/sec	0-0.2m/sec	0-0.2m/sec	0-0.2m/sec	0-0.2m/sec	0-0.2m/sec
Lifter Speed	0.1m/sec	0.1m/sec	0.1m/sec	0.1m/sec	0.1m/sec	0.1m/sec

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