

O m n i d i r e c t i o n a l W e a p o n s L o a d e r

About O.W.L (Omnidirectional Weapons Loader)

Reinvented to streamline the loading process with no modifications needed for the aircraft, ordnance and existing supporting equipment, O.W.L is designed to achieve maximum output with minimal manpower.

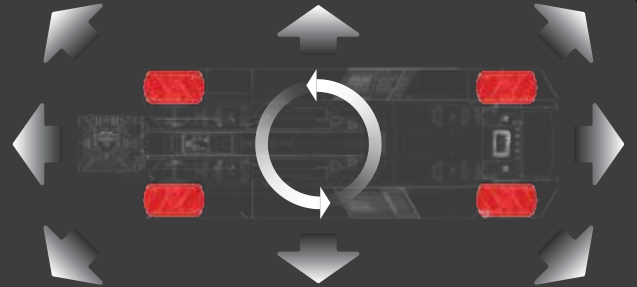
Streamlined for Effectiveness

O.W.L is a compact yet power-packed electric ordnance vehicle. Fitted with Mecanum wheels, O.W.L is able to accomplish seamless omnidirectional motion, allowing ease of movement even in narrow spaces.

Features

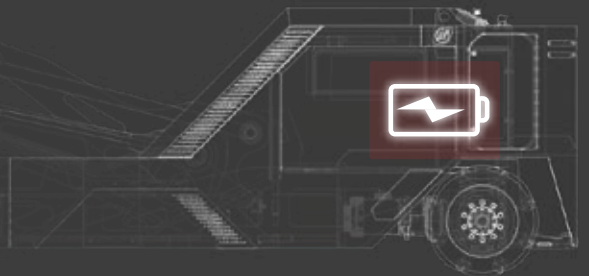
Omnidirectional Capabilities

O.W.L's chassis features four Mecanum wheels for its mobility. By having controlled rotation of each wheel, HOPE Technik's ordnance loader is able to accomplish seamless omnidirectional motion, easily navigating in narrow spaces.



Electric-Powered

O.W.L is electrically powered and extended use of the vehicle is possible by having the capability to swap out batteries. This not only extends the operational use time of the vehicle, it also significantly reduces noise levels for the operator.



System Information

O.W.L also features a digital display dashboard which display several families of data, including:

- Operation Mode
- Built-In-Test results
- And other key information informing the operator on the vehicle's performance.



Freely turning Turntable

Able to freely rotate to adjust the payload to the desired angle, and lock in place while traveling, reducing the need for an additional person to prevent the munition from rotating.





*Renderings are for illustration purposes only, does not represent final product

Specifications

General Loader Characteristics

Overall platform dimensions (handling table lowered): 4020 mm (L) x 1440 mm (W) x 1240 mm (H)

Unladen Weight: 4.1 ton

Mobility

Movement: Mecanum drive

Minimum turning radius: Spot Turning

Transmission: Electric Drive

Endurance

Operating time per charge 8 hours

Table positioning capabilities

Capacity on table: 1360 kg

Yaw rate (Spin): Free moving with locking capability

Lifting height on table: up to 2 m

Lateral & Longitudinal travel range: ±100 mm

Pitch range: ±10°

Complies with MIL-STD 810H for shock, vibration, temperature and humidity

Complies with MIL-STD 461G/464C for Ground Support Equipment (Air-Force) Category

About HOPE Technik

HOPE Technik, a Singapore-proud engineering company, has been evolving the industry landscape with its technological innovations since 2006. Its unique operational structure enables the company to translate technology into robust products while maintaining its spirit of deep diving into the clients' unique problem statements.

With expertise in mechanical, electrical, electronics, software engineering and system engineering, and supported by an in-house suite of manufacturing as well as industrial design capabilities, HOPE Technik has delivered a myriad of world-class products and bespoke solutions to a global clientele. To ensure our solutions remain of quality, the company also invests significant efforts into research and development while keeping abreast with the latest technological advances.

Together with a strong team of dedicated engineers and technical personnel, HOPE Technik is committed to deliver innovative products and solutions, translating concepts into reality.