OSCAR

The platform vehicle

DS AUTOMOTION



Payload up to 1.0 t | 2,200 lbs

Wide range of applications and many transport options

OSCAR's ultra-low chassis slips effortlessly beneath trolleys, racks, boxes and roll cages, automatically lifting, transporting and setting them down. With a payload capacity of up to 1,000 kg (2,200 lb), OSCAR is a true heavyweight in automated transport.



Discover OSCAR live using ***augmented reality!***

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OSCAR

The platform vehicle



Highest ergonomics and personal safety

The OSCAR AGVs navigate contour-based (SLAM) without specifically installed landmarks. For areas of increased position accuracy, magnetic references can be added to the floor. OSCAR omni's omnidirectional mobility allows diagonal driving. OSCAR spin is able to turn on the stand, which reduces the space required for cornering and turning radius.

OSCAR's rugged frame and powerful drive system deliver industrial-grade reliability and decades of service life. With 25 mm /0.98 in ground clearance, it easily traverses uneven floors, and its onboard lithium battery auto-charges during idle periods for uninterrupted operation. Seamlessly integrate OSCAR with any DS Automotion free-ranging navigation platform — even alongside your existing AGV fleet.

Front-facing LEDs enhance visibility and communicate real-time status to your team.

Technical data

Payload:	up to 1,0 t | 2,200 lbs
Speed:	up to 1.6 m/s | 3.6 mph
Lifting height:	130 mm | 5 in 160 mm | 6 in 200 mm | 8 in
Localization:	SLAM, magnetic spot guidance
Navigation:	autonomous, virtual
Power Supply:	automatic charging
Battery:	lithium

Personal safety

- Protected integrated laser scanner with 360° view
- Bumpers



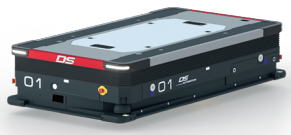
OSCAR spin

- (L/W/H): 1,620 x 712 x 295 mm \| 63.8 x 28.0 x 11.6 in
- transport of roll cages / dollies / wheeled platforms
- transport of frames / racks with feet
- transport of elevated loads
- supply and transport is lengthwise
- underclearance height (H): 310 mm \| 12.2 in



OSCAR omni

- (L/W/H): 11,520 x 750 x 320 mm \| 59.8 x 29.5 x 12.6 in
- transport of roll cages / dollies / wheeled platforms
- transport of frames / racks with feet
- transport of elevated loads
- supply and transport is lengthwise
- underclearance height (H): 335 mm \| 13.2 in



OSCAR omni XL

- (L/W/H): 1,700 x 900 x 380 mm \| 66.9 x 35.4 x 15.0 in
- ransport of roll cages / dollies / wheeled platforms
- transport of frames / racks with feet
- transport of elevated loads
- supply and transport is lengthwise
- underclearance height (H): 395 mm \| 15.6 in

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