

OSCAR

The platform vehicle

DS
AUTOMOTION

**Payload
max. 1.0 t /
2,200 lbs**

Wide range of applications and many transport options

Thanks to the extremely low design, our OSCAR is suitable for a large number of undercarriage transports. Whether undercarriages, racks, boxes or roll carts, all this can be picked up, transported and set down automatically. A high payload of 1000 kg makes OSCAR an absolute transport specialist.



Discover OSCAR live using
augmented reality!



OSCAR

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Highest ergonomics and personal safety

The OSCAR tunnel 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.

This robust construction and the solid drive concept contribute to uncompromising industry suitability and longevity of the AGV. In addition, the OSCAR tunnel AGVs offer a 25 mm ground clearance to overcome even uneven floors. On board the lithium battery is charged automatically via opportunity charging. The AGVs are fully compatible with all different types of free ranging AGV navigation principals offered by DS AUTOMOTION, even with existing systems.

Embedded front LED lights not only ensure the necessary visual attention, but are also used for communication with the environment.



Technical Details

Lifting height	80 mm / 3 in
Speed	max. 1.6 m/s / 5 f/s
Lift travel	80 mm / 3 in / 130 mm / 5 in / 160 mm / 6 in /
Navigation	SLAM, magnetic dot
Power supply	Automatic opportunity charging
Battery	Lithium (48V / 30 Ah)
Reduced maintenance cost due to	Brushless motors

Personal safety

- Protected integrated laser scanner 360° view
- Bumpers



OSCAR spin 180

- 1.620x560x260 mm / 63.78x22.05x10.24 in
- transport of trolleys / floor trolleys
- transport of frames / racks with feet
- transport of elevated loads
- supply and transport is lengthwise
- undercut dimension min. 610 x 280 mm (W x H)



OSCAR spin 360

- 1.620x712x295 mm / 65.75x27.56x11.61 in
- transport of trolleys / floor trolleys
- transport of frames / racks with feet
- transport of elevated loads
- supply and transport can be lengthwise
- undercut dimension min. 760 x 315 mm (W x H)



OSCAR omni

- 1520x720x310 mm / 59.8x28.3x12.2 in
- transport of trolleys / floor trolleys
- transport of frames / racks with feet
- transport of elevated loads
- supply and transport can be lengthwise
- undercut dimension min. 760 x 315 mm (W x H)