

KUKA



KUKA omniMove

We move big things - with millimeter precision.





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Simply move underneath and lift. The KUKA omniMove mobile heavy-duty platform can move your XXL loads with ease. The heavy-duty AGV can be controlled manually, but can also move autonomously. Despite its enormous size and payload capacity, it navigates safely, moving virtually independently. You can also optionally expand it with a self-contained energy supply.

Specially developed wheels allow the mobile heavy-duty platform to move in any direction – even from a standing start. The sophisticated navigation system KUKA.NavigationSolution ensures autonomous maneuvering without risk of collision and without requiring artificial floor markings.

The KUKA omniMove can be freely scaled in size, width and length within a modular system – just the way you need it.

Mecanum wheel for maximum mobility: the specially developed KUKA omniMove drive technology based on the Mecanum wheel ensures that the KUKA omniMove can maneuver omnidirectionally. The wheels with individual, barrel-shaped rollers can move independently of each other. This allows the KUKA omniMove to perform translational and rotational motions in the tightest of spaces from a standing start. It can thus move swiftly and compactly in all directions.



Powerful. Depending on the vehicle variant, the KUKA omniMove can safely and conveniently move even the heaviest components in XXL format. It has a payload capacity of up to 90 tonnes and – in the maximum version – reaches a length up to 30 meters.

Precise. The KUKA omniMove positions even enormous payloads to within ±3 millimeters without contact.

Modular. We design your ideal solution. You can choose from ten different vehicle variants, and we will then personalize your selection with individual option packages and modules – fully in accordance with your requirements and wishes.

Wheel sizes E375	3,000	6,000
Payload	3,000 kg	6,000 kg
Height	420 mm	420 mm
Length (with laser scanner)	2,750 mm	3,650 mm
Width (with laser scanner)	1,600 mm	1,600 mm
Number of wheels	4	8
Weight	2,000 kg	4,000 kg
Travel speed	3.0 km/h	3.0 km/h

Wheel sizes E575	7,000	15,000	25,000
Payload	7,000 kg	15,000 kg	25,000 kg
Height	650 mm	650 mm	650 mm
Length (with laser scanner)	3,200 mm	4,755 mm	5,560 mm
Width (with laser scanner)	2,120 mm	2,120 mm	2,800 mm
Number of wheels	4	8	12
Weight	4,000 kg	6,000 kg	9,000 kg
Travel speed	3.0 km/h	3.0 km/h	3.0 km/h

Operating condition	
Ambient temperature	+5 to 40 °C

Power supply connection	
Charger, type 1	400 V / 50 Hz / 32 A CEE
Charger, type 2	480 V / 60 Hz / 30 A Hubbell HBL2731; UL



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