

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.

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 – to suit your requirements.

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 in all directions and is characterized by maximum positioning accuracy.



Powerful. Depending on the vehicle variant, the KUKA omniMove can move even the heaviest XXL components safely and conveniently. It has a payload capacity of up to 100 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 different vehicle variants, and we will then personalize your selection with individual option packages and modules – fully in accordance with your requirements and wishes.

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Wheel sizes E375	3000	7000
Payload	3,000 kg	7,000 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	1,650 kg	2,600 kg
Travel speed	3.0 km/h	3.0 km/h

Wheel sizes E575	7000	12000	17000	25000
Payload	7,000 kg	12,000 kg	17,000 kg	25,000 kg
Height	650 mm	650 mm	650 mm	650 mm
Length (with laser scanner)	3,220 mm	3,520 mm	4,620 mm	5,610 mm
Width (with laser scanner)	2,050 mm	2,050 mm	2,050 mm	2,050 mm
Number of wheels	4	6	8	12
Weight	3,700 kg	4,500 kg	5,200 kg	8,700 kg
Travel speed	3.0 km/h	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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