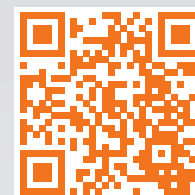
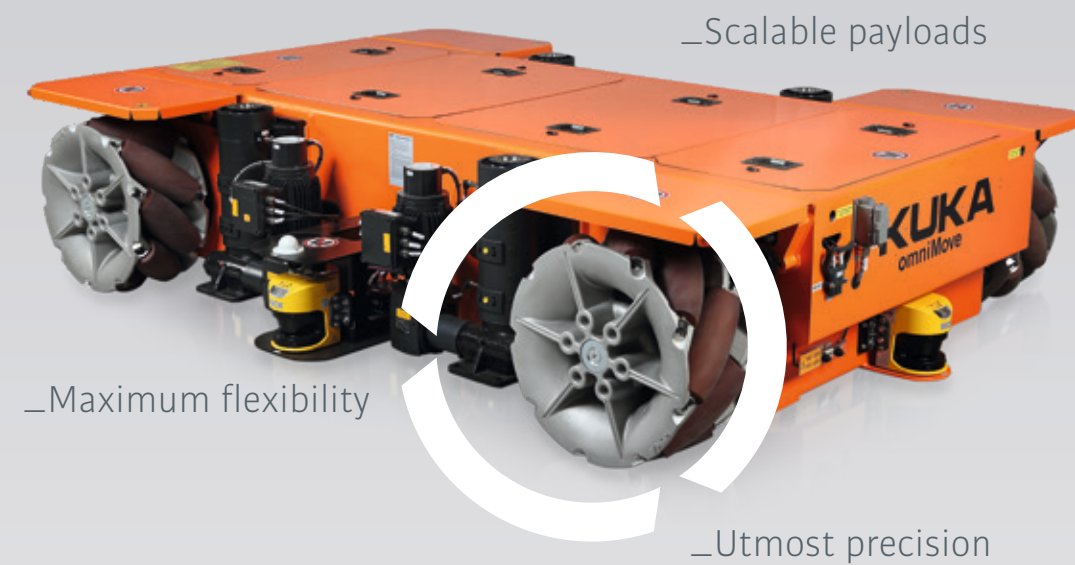




Now even XXL components can be set in motion. The KUKA omniMove maneuvers parts of aircrafts, wind power plants, rail vehicles and other heavy components to the exact location where they are required for the production process. e-mobility and KUKA intelligence make the production process quicker and more flexible than ever before.

Mobile robotics
_KUKA omniMove UTV-2



- www.kuka.com/contacts
- www.facebook.com/KUKA.Robotics
- www.youtube.com/kukarobotgroup
- [Twitter: @kuka_roboticsEN](https://twitter.com/kuka_roboticsEN)

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+ + = Your solution

KUKA omniMove UTV-2

Maximum flexibility and precision for XXL components

The KUKA omniMove UTV-2 sets everything in motion, boosting your productivity. Never before has it been simpler to maneuver heavy and bulky loads into the right position – with pin-point accuracy. This is made possible by the unrestricted two-dimensional freedom of motion. The KUKA omniMove mobile platform concept ensures maximum flexibility. Moving and lifting: The KUKA omniMove can handle heavy payloads with ease. Five different standard vehicle variants and numerous customer-specific option packages ensure that you will find solutions to cover an extremely wide range of requirements. KUKA omniMove may optionally be adapted specifically to individual customer needs.

In aircraft construction, the KUKA omniMove UTV-2 moves fuselage sections into their exact assembly position.



Maximum flexibility and unrestricted maneuverability. Remain mobile in every direction. The omnidirectional drive technology of the KUKA omniMove makes both translational and rotational motions possible – and does so from a standing position, in the tightest of spaces and with the load raised. The unrestricted 360° mobility reduces the time required for repositioning the vehicle to a minimum.



Utmost precision, simple operator control. The KUKA omniMove is a precision device on wheels. Optional optical tracking allows to achieve a contactless positioning accuracy of up to ±3 mm. Yet it remains extremely straightforward to operate. The KUKA omniMove is manually controlled by means of radio control using a joystick. The optionally available KUKA Navigation Solution serves to ensure that work sequences are reliable, autonomous and flexible.

The KUKA omniMove is available in a number of standard variants. Choose the platform that best suits your application from our extensive portfolio.



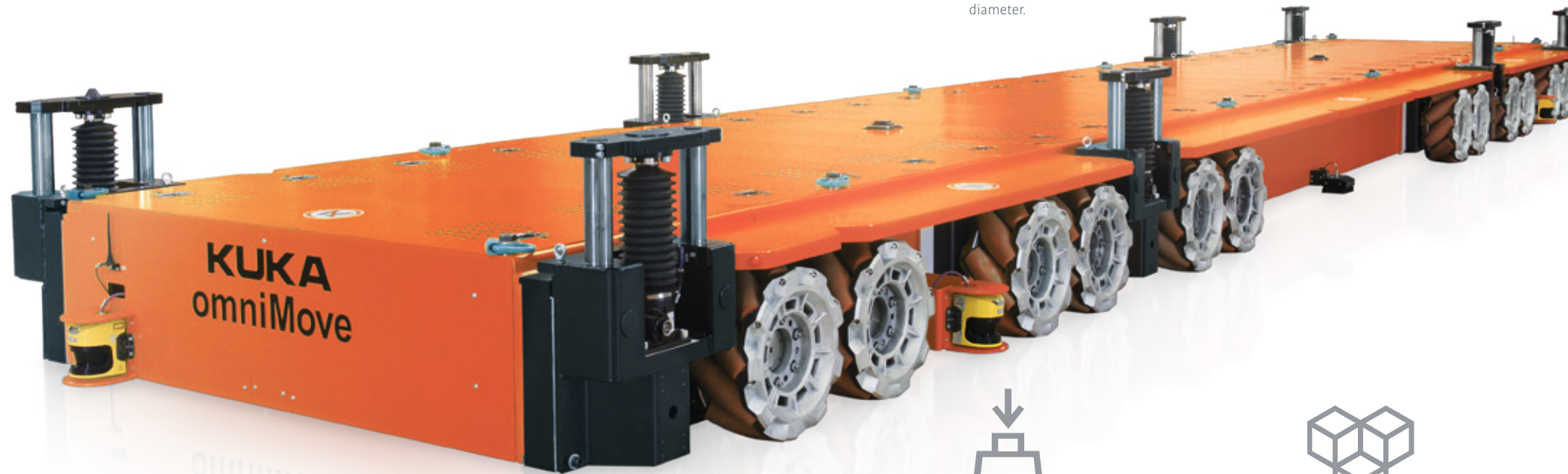
Selectable wheel size
Irrespective of the required payload capacity, the KUKA omniMove is available with two different wheel sizes of 375 mm or 575 mm diameter.



Multitude of options
The dimensions and payload capacity of the KUKA omniMove UTV-2 can be tailored to your requirements. Additional equipment can also be incorporated.



Scalable payload
The payload of the KUKA omniMove models depends on the chosen wheel size and the number of wheels, with a scalable capacity of up to 90 t.



High load capacity and maximum safety. One KUKA omniMove on its own can maneuver enormous components. Even more can be achieved with two vehicles connected by means of an optional mechanical coupling. They can be deployed in a highly flexible manner for a wide range of transportation tasks. Coupling two custom designed vehicles with a payload capacity of 45 t each enables payloads of up to 90 t or components with a length of up to 30 m to be transported. The KUKA omniMove meets all safety standards required for industrial trucks.



Freely scalable modular system. Tailor your KUKA omniMove precisely to your requirements. The size, width and length can all be varied. Moreover, a selection of optional additional equipment is available. Use the flexible KUKA platform concept to get your productivity gain moving!

Mobile robotics from KUKA

Technical data

KUKA omniMove UTV-2

Wheel sizes E375	3000	6000
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
Velocity	3.0 km/h	3.0 km/h

Wheel sizes E575	7000	15000	25000
Payload	7,500 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
Velocity	3.0 km/h	3.0 km/h	3.0 km/h

Operating condition

Ambient temperature	+5°C to +40°C
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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

Protection rating

Protection class	IP 54
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Control

Manual via radio control unit

KUKA omniMove additional options

Navigation options

Optical guidance
Optical fine positioning towards floor marker
Optical fine positioning towards load
Laser scanner KUKA Navigation Solution

Interfaces

Electric lifting spindles
CupCone centering
RFID load detection
WLAN interface
Electric power outlet for external installations

Charging options

Floor charging contacts for automatic charging
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Safety options

Safety laser scanners
Radio-controlled enabling switch for second operator



To find out more about additional options scan this QR code with your smartphone.