



**UNLOAD TRANSPORT ASSEMBLE LOAD
TRANSFER POLISH LIFT STACK ROTATE**

KUKA HEAVY-DUTY ROBOTS

KR 360

KR 500

WORKING IDEAS





**CHEMICALS AUTOMOTIVE FOODSTUFFS
ENTERTAINMENT BEVERAGES FOUNDRY
METALWORKING**

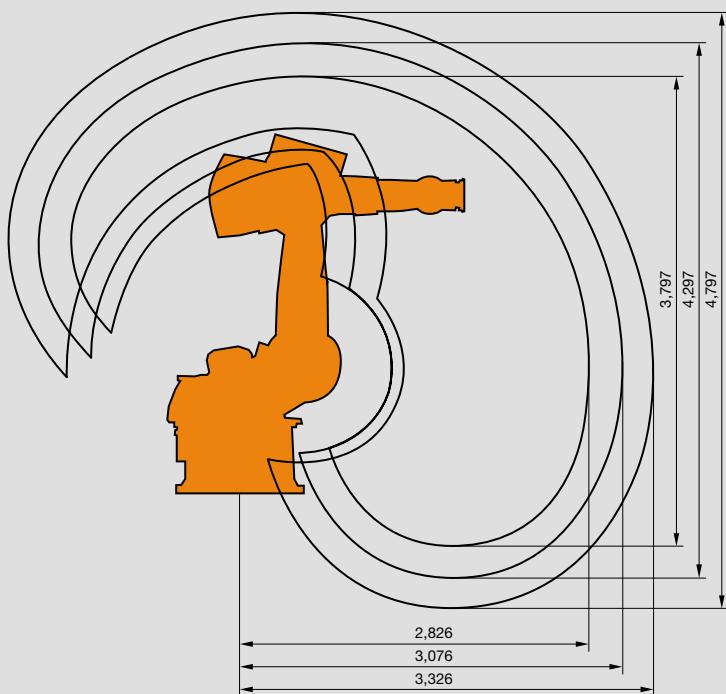


THE KUKA HEAVYWEIGHT CHAMPION

KUKA robot technology can be used for practically everything that moves in automation. No matter what the industry or the application, KUKA robots help ensure that your operations are highly productive and flexible. The range of applications for KUKA robots is constantly growing. And increasing productivity is an important factor in your industry as well.




In many industries, complex work processes must be carried out which also involve heavy loads. This is where KUKA heavy-duty robots can boost productivity, providing optimal performance even under difficult conditions. The handling and processing of large and heavy parts, the linking of work processes, the tending of machines, and palletizing in the heavy payload range are only a few of their possible applications.



The fist-shaped work envelope of the standard KUKA heavy-duty robot can be made twice as large through the use of arm extensions. With its combination of long reach and high carrying capacity, the KR 500/1 is the KUKA heavyweight champion.

	Type KR 360 (standard)			Type KR 500 (standard)		
	KR 360/1	KR 360 L280/1	KR 360 L240/1	KR 500/1	KR 500 L420/1	KR 500 L340/1
Arm extension	–	250 mm	500 mm	–	250 mm	500 mm
Payload	360 kg	280 kg	240 kg	500 kg	420 kg	340 kg
Reach	2,826 mm	3,076 mm	3,326 mm	2,826 mm	3,076 mm	3,326 mm



BEVERAGE CRATES
BARRELS
ENGINE BLOCKS
SACKS OF CEMENT
PANES OF GLASS
FURNITURE
CONCRETE PIPES
STEEL GIRDERS
WHEELS OF CHEESE

KUKA heavy-duty palletizing robots

The KUKA KR 360 and KR 500 heavy-duty robots are also available in a palletizing version. These robots can palletize large, heavy and bulky loads with ease. Specialized palletizing software means that they can be programmed quickly for each specific requirement. KUKA robots are highly productive, with fast, precise palletizing. They provide real benefits, not only now, but also in the long term.

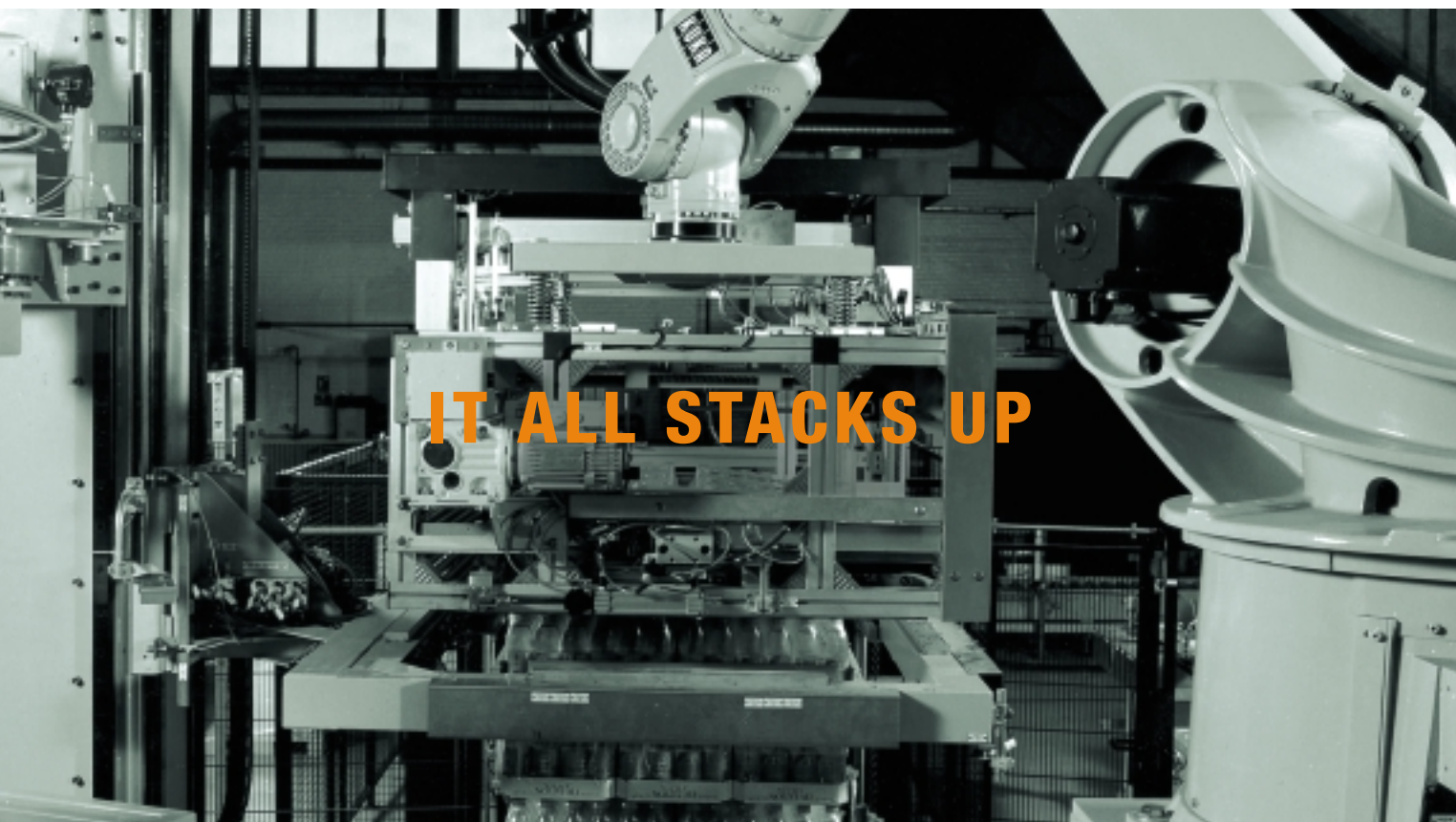
The different palletizing variants of the KUKA heavy-duty robots have higher payload capacities compared with the standard models. The reach of each specific robot can be adapted optimally to the requirements of the application through the use of the available arm extensions.

Type KR 360 (palletizing variant)

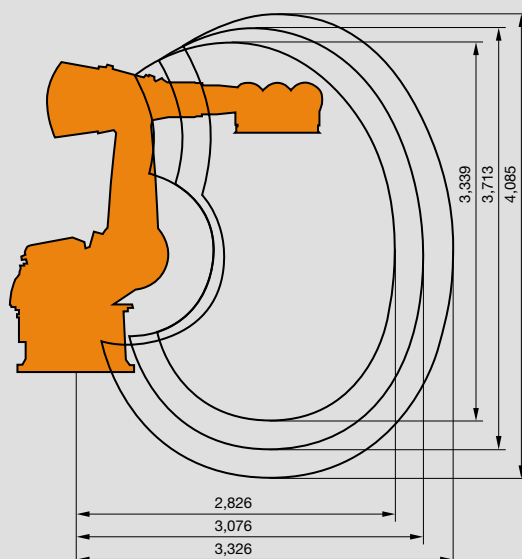
	KR 360 450 PA/1	KR 360 L340 PA/1	KR 360 L280 PA/1
Arm extension	–	250 mm	500 mm
Payload	450 kg	340 kg	280 kg
Reach	2,826 mm	3,076 mm	3,326 mm

Type KR 500 (palletizing variant)

	KR 500 570 PA/1	KR 500 L480 PA/1	KR 500 L420 PA/1
Arm extension	–	250 mm	500 mm
Payload	570 kg	480 kg	420 kg
Reach	2,826 mm	3,076 mm	3,326 mm



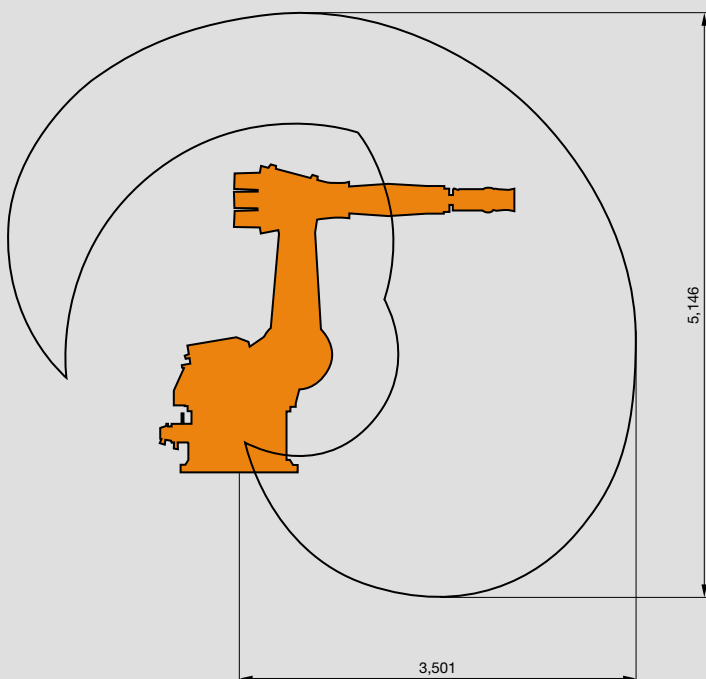
Through appropriate limitation of the heavy-duty robot's work envelope it was possible to increase the carrying capacity of the palletizing variant significantly. This special feature results from the downwards-pointing position of the robot wrist during palletizing.



**SPECIALIZED
MOBILE
ERGONOMIC
MODULAR
HEAT-RESISTANT
ADAPTABLE
ENTERTAINING
EXTENDED
COOPERATING**

Specialized: The KUKA press-to-press robot

is a further development of the KR 360 with a special arm extension and a load capacity of 150 kg. With a reach of more than 3.5 m, this heavy-duty robot is ideally equipped to bridge large press-to-press gaps. Its small, ergonomic robot wrist can reach into the press sooner, while it is still opening, thus shortening the cycle time.



Type KR 360 (press-to-press)

KR 360 L150 P/1

Arm extension

–

Payload

150 kg

Reach

3,501 mm

FOR SPECIAL REQUIREMENTS



Heat-resistant: The KUKA foundry version

provides special protection from heat for work processes at high temperatures: a foundry wrist with protection rating IP 67, special seals and thermally protective paintwork. More detailed information can be found in the KUKA brochure for the foundry industry.

Entertaining:

KUKA robots have conquered the entertainment industry. The “Robocoaster” amusement park ride is built around a KUKA heavy-duty robot. To read more, see the KUKA Robocoaster brochure.

Mobile:

A robot's work envelope can be expanded as desired by installing the robot on a linear unit. This is ideal for covering greater distances between machines.

Cooperating:

KUKA robots can be connected via an intelligent network, thus solving even complex manufacturing tasks cooperatively. They share loads, position components, and in many cases eliminate the need for clamping fixtures.



CONTACT INFO ADDRESSES

No liability accepted for errors or omissions.

KUKA offers a comprehensive range of products, with optimal solutions for every requirement and every industry. What can KUKA do for you?

Low payloads



from 3 to 16 kg

Medium payloads



from 30 to 60 kg

High payloads



from 100 to 240 kg

Very high payloads



from 360 to 570 kg

Special models



Shelf-mounted robots
Palletizing robots
Press-to-press robots
Foundry versions

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