

KR 150

KR 180

KR 210

KR 240



**Greater performance for greater productivity.
The new KUKA Series 2000 robots.**



GET MORE OUT OF YOUR APPLICATION!

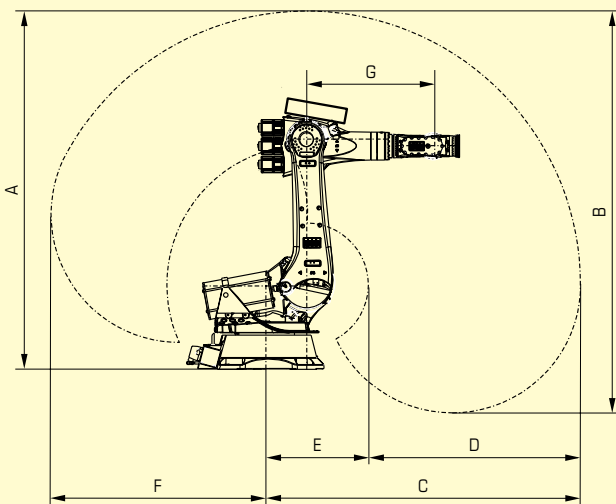
With the powerful KUKA Series 2000, cycle times are reduced in many applications while availability and productivity are increased. Why not talk to our Technical Support department?



BRINGING MORE POWER TO AUTOMATION!

Greater reach, higher payload capacity, improved availability and flexibility.
KUKA Series 2000 robots: for those who want more.

Those who opt for the new KUKA Series 2000 get a whole lot more: more reach, more payload, more flexibility. The net result of the new features is a whole string of advantages: the optimized reach, acceleration and payloads mean that for any given robot application, more functions are available while cycle times remain unchanged, or the same functions are available as before, but with shorter cycle times. Another benefit, due to the reduced number of components and the easier-to-change dress package, for example, is the reduction in maintenance costs. The new Series 2000 thus represents the state of the art in modern robot technology. Wherever more flexible solutions are required for demanding concepts, our new robots have considerable advantages. Why not get in touch with our Technical Support department to find out just what Series 2000 can do for you!



The figures speak for themselves - the Series 2000 in detail.

| Work envelope | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | Volume (m³) |
|--|--------|--------|--------|--------|--------|--------|--------|-------------|
| KR 150-2, KR 180-2, KR 210-2, KR 240-2 | 3,100 | 3,450 | 2,700 | 1,875 | 825 | 1,788 | 1,100 | 55 |
| KR 150 L130-2, KR 180 L150-2, KR 210 L180-2, KR 240 L210-2 | 3,300 | 3,850 | 2,900 | 2,050 | 850 | 1,987 | 1,300 | 72.9 |
| KR 150 L110-2, KR 180 L130-2, KR 210 L150-2, KR 240 L180-2 | 3,500 | 4,250 | 3,100 | 2,150 | 950 | 2,187 | 1,500 | 93 |

Greater acceleration for shorter cycles

KUKA series 2000 robots can accelerate faster than their predecessors, thereby resulting in shorter motion cycles.

Greater reach for greater productivity

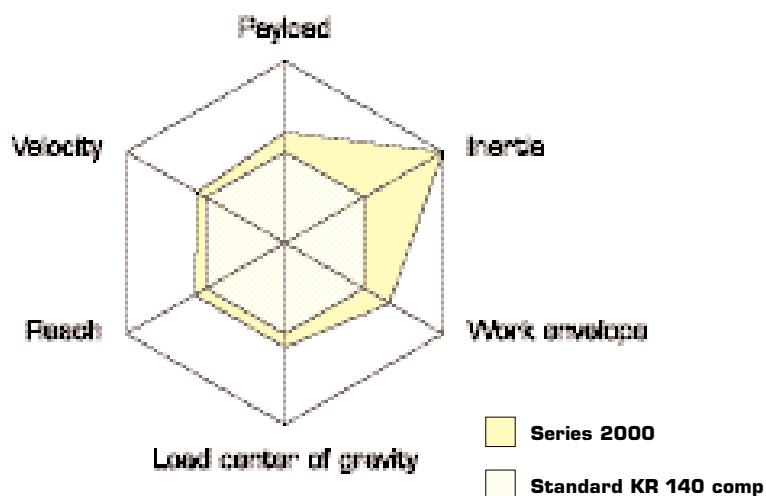
The extended reach and increased usable depth of work envelope mean, say, that more weld spots can be reached. In some cases, linear units and entire system components can be eliminated.

Increased payload for a broader spectrum of tasks

The increased load-bearing capacity means that Series 2000 robots can carry heavier tools, e.g. guns or grippers. Alternatively, they can move larger loads. This allows a broader spectrum of tasks and new, more cost-effective system concepts.

More details for even greater flexibility

These details all add up, in Series 2000, to robots that can be used more flexibly than ever before and thus cover a broader spectrum of tasks.



Improvements in the relevant key data for KUKA Series 2000 robots, compared with the standard KUKA robot KR 140 comp

Shorter dress package changing times

The new, lay-in design of the dress package not only allows greater flexibility in terms of robotic system planning, but is also much more robust because it is integrated into the robot arm and thus enjoys greater protection. This significantly increases its service life. Should it nonetheless become necessary to exchange the dress package, this can be accomplished in next to no time. Furthermore, the different customer-specific dress packages can be easily integrated and, in the event of a fault, can be mounted on a different robot.

Greater freedom through reduced interference contours

The interference contours have been reduced still further in the new Series 2000. This means that the available floor space can be exploited more fully as less space needs to be allowed for the robot motions. This in turn means shorter paths which, in some cases, can shorten cycle times considerably.

Fewer components for fewer faults

For the new series, the number of components has been reduced considerably once again. And as you know: the fewer components there are, the fewer the faults that can arise. This means greater availability and fewer spare parts that need to be kept on hand.

Higher protection rating for new fields of application

The new Series 2000 robots have protection classification IP 65 or IP 67 on the wrist. This opens up new fields of application such as foundry applications or waterjet cleaning.

Greater availability minimizes downtime

The maintenance intervals have been doubled in the new Series 2000 – thus reducing downtime due to maintenance by half. This ensures greater availability of the robots.

ONE SERIES, THREE MODELS.

The right robot for every application – for even greater productivity:
KUKA Series 2000 robots.



Standard robot. The generalist: KUKA Series 2000 standard robots are designed for a broad spectrum of applications. Whether for welding, handling, adhesive bonding, machining, assembly... the standard robot meets all requirements!



Palletizing robot. Can handle anything: KUKA Series 2000 palletizing robots are the ideal choice for packing, stacking, order picking and palletizing. Their special design makes it quicker to move heavy loads from A to B.



Shelf-mounted robot. Fits on every machine: KUKA Series 2000 shelf-mounted robots can be easily mounted on machines and are frequently used in such industrial applications as die casting and injection molding.

KUKA Series 2000 robots are available not just as standard models, but also, for specific requirements, as shelf-mounted or palletizing robots. These special models increase productivity still further as they are optimally adapted to their respective applications.

www.kuka.com

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