

KUKA



The new KR QUANTEC
_our champion goes digital



_Performance

_Path

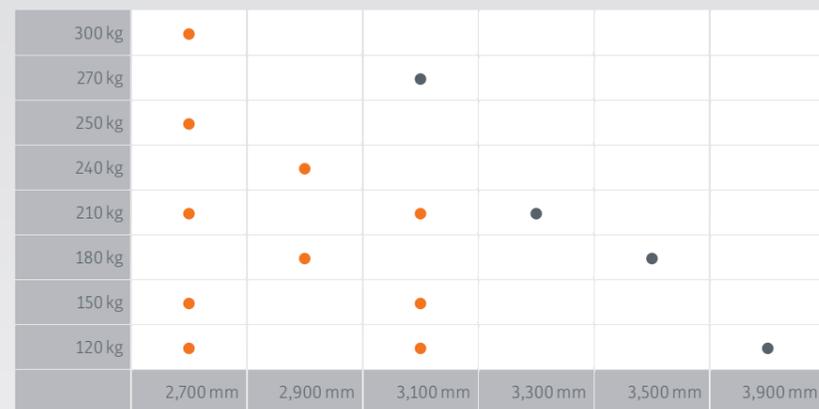
_Dynamic

World's largest portfolio

For maximum flexibility

The KR QUANTEC is the champion of the high payload category – with the world's largest portfolio in terms of payload capacity and reach. With the objective of making a good product even better, we have further developed our unique all-rounder based upon our industry-relevant experience in the dynamic world of automation. The result: a versatile, digitalized machine that is characterized by outstanding performance, cost-effectiveness and flexibility and is suited to almost every market segment.

Payload / reach



The new KR QUANTEC convinces with an extended payload / reach portfolio. The payload capacity can be upgraded in the field at any time.

● KR QUANTEC standard variants
● KR QUANTEC shelf-mounted robot

The new KR QUANTEC

Sustainably low TCO

The KR QUANTEC convinces with utmost production efficiency and an innovative servicing and maintenance concept for optimal life cycle efficiency. With an MTBF of 400,000 operating hours and 50% fewer main components over the entire reach and payload capacity range, the KR QUANTEC series is setting new market standards in terms of TCO. Furthermore, the economical cabling and energy supply concept minimizes downtimes and maintenance requirements.



The new KR QUANTEC impresses with a significant reduction of running costs:



Increased MTBF of 400,000 h



50% fewer main components



MTTM reduced by 60%



Extremely high technical availability



MTRR reduced by 75%



Simplified commissioning

Best-in-class technology

Perfect integration

Technically unbeatable In all areas of production

With the KR QUANTEC series, KUKA is presenting a robot generation whose innovative features taken together set new standards. With improved drive technology, a more streamlined wrist and disruptive contour, new oil and sealing concept, and simple exchange of motors, the champion of KUKA's high payload category remains simply unbeatable in both conventional and digitalized production processes. The relaunch of our multifaceted, industrial robot also encompasses long-term aspects such as simplification of commissioning, maintenance requirements and repair work.

_More streamlined disruptive contour

_New energy supply system

_Simple exchange of motors

_More streamlined wrist

_Optimized workspace

The new KR QUANTEC For perfect integration

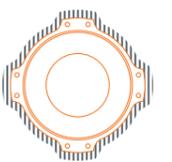
The KR QUANTEC series offers the largest portfolio in the high payload category with numerous special variants such as shelf-mounted robots, press-linking robots, ceiling-mounted and foundry variants. The possibility of upgrading the payload capacity in the field and the optional add-on Motion Modes ensure utmost flexibility in operation as well as in cell and system planning. The perfected workspace in front of and behind the machine offers improved accessibility in a wide range of different applications.

Maximum flexibility – thanks to the world's largest portfolio in its class, upgrade of payload capacity in the field and add-on Motion Modes.

Optimal cell and system planning – with reduced disruptive contours and extremely small footprint.



-10%
-10%



Hardware becomes software

With add-on digital plug-in Motion Modes

The KR QUANTEC will be the world's first industrial robot to have digital Motion Modes. These are optional add-on Motion Modes that optimize the performance of the robot for specific application scenarios.



_Performance Mode

Optimal operation in 98% of all areas of application

Performance Mode convinces with impressive power and a fascinating range of operation: from spot welding and handling to loading and unloading – the new KR QUANTEC excels in 98% of all areas of application with outstanding performance.

_Path Mode

Exact CP motion and high precision
Path Mode is used for continuous-path motion, increasing the precision at both low and high path velocities – for example in adhesive bonding, measuring or laser applications.



_Dynamic Mode

For faster velocity and minimum cycle times

Dynamic Mode is the right choice when the goal is to reduce cycle times. It gives the KR QUANTEC greater speed and shortens cycle times by around 10%.



The new KR QUANTEC _our champion goes digital

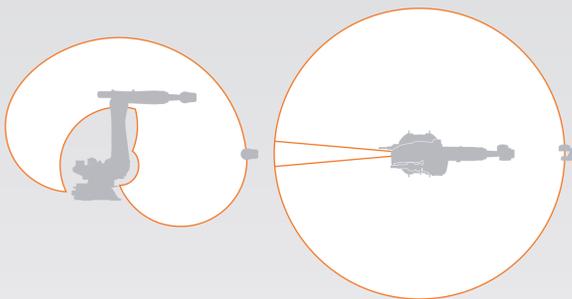
The KR QUANTEC has the largest payload / reach portfolio on the market in the high payload category. The all-rounder from KUKA is designed for applications in virtually all market segments – from the automotive industry to the foundry and medical sectors.

Digital Motion Modes – from the standard machine to the process machine
The KR QUANTEC will be the world's first industrial robot to have digital plug-in Motion Modes. These are optional add-on Motion Modes that optimize the performance of the robot for specific application scenarios. Along with other features – such as upgrading the payload capacity in the field – the Motion Modes ensure maximum flexibility in operation.

Best-in-class technology – unbeatable performance in all production areas
The KR QUANTEC is sustainably convincing: with improved drive technology, a new oil and sealing concept, and a disruptive contour that has been reduced by 10%. The series is thus setting new market standards.

Best-in-class TCO – significant reduction of running costs
With the simplification of commissioning and low energy consumption, the new KR QUANTEC series is characterized by maximum performance in both conventional and digitalized production areas. Furthermore, an innovative servicing and maintenance concept ensures optimal life cycle efficiency.

Optimized portfolio – for even faster delivery times
The optimized portfolio of the new KR QUANTEC generation features not only considerably shorter delivery times, but also custom-tailored and flexible robot variants for customer-specific, future-proof production processes.



Improved work envelope – for perfect production processes
The optimized work envelope in front of and behind the machine ensures even greater reach in all manner of different applications and thus enables ideal adaptation to the existing production requirements.

_Path Mode

For high-precision work processes
Path Mode increases the precision of continuous-path motion at both low and high path velocities – for example in adhesive bonding, measuring or laser applications.

_More streamlined wrist

_New energy supply system

_Optimized workspace

_Performance Mode

Stable basis for high efficiency
In Performance Mode, the new KR QUANTEC is characterized by outstanding performance, dynamics and efficiency in 98% of all areas of application – from spot welding and handling to loading and unloading.

_Dynamic Mode

For even shorter cycle times
Dynamic Mode gives the KR QUANTEC greater speed and reduces cycle times by around 10%.

_More streamlined disruptive contour

_Simple exchange of motors

_Reduced footprint



Scan the QR code now and discover even more convincing details about the new KR QUANTEC.
www.kuka.com/new-kr-quantec

The new KR QUANTEC

Invest today in your production of tomorrow.

Our champion of the high payload category is back: even stronger and faster, and with even greater versatility and precision. With the sum of its innovative features – such as the globally unique Motion Modes – the new KR QUANTEC is setting the next milestone for the production world of the future.

The legendary industrial robot from KUKA has been transformed into a highly flexible, digitalized machine that can be adapted to virtually any specific production process at the press of a button. The new KR QUANTEC series is characterized by the best possible performance and continues to offer the largest robot portfolio in its class – now with an extended payload range from 120 to 300 kg.



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