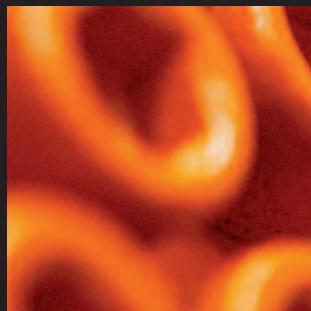
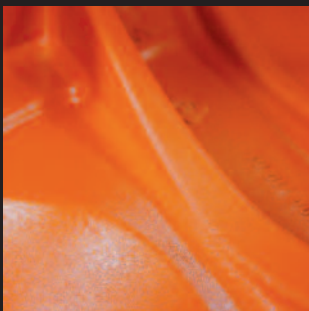


KUKA



ROBOT RANGE

»THE RIGHT SOLUTION FOR YOU

Industrial robots, controllers, software and automation solutions. KUKA automates the world and convinces customers not only by means of creativity, reliability and dynamism, but also with the largest product range on the market. Looking back on a long history of success, KUKA is today a technological leader and one of the world's most successful manufacturers of industrial robots. KUKA provides you with support right from the outset: from planning and commissioning through to perfect maintenance management for your system during ongoing production – this means that you can always tap the full potential of your KUKA robots.

INDIVIDUAL

With our modular concept, we will generate exactly the solution you need. Whatever the requirements – ceiling-, wall- or floor-mounted robots; an integrated, Windows™-based and network-capable control concept with flexible performance features, or special models,

such as palletizing, foundry, shelf-mounted, or cleanroom robots – there is no task for which we cannot provide the optimal solution. With KUKA, you have a competent partner at your side, who is on hand to answer your questions any time, any place.



Metalworking industry



Foundry industry



Plastics industry



Foodstuffs industry





PLANNING



COMMIS- SIONING



MAINTENANCE



Wood industry

»ROBOTIC CONSULTING

Right from the outset, the KUKA team advises and supports you on the road to the optimal solution. With consulting services ranging from concepts, analyses and simulations to robot selection and integration.

»COLLEGE

KUKA College equips your employees today to meet the challenges of the high-tech future. With a certified program of training and continuing education, ranging from basic courses to expert courses.

»TECHNICAL SUPPORT

KUKA Technical Support assists you during production whenever and wherever you need it – with process-optimizing services that include maintenance and fault management, as well as targeted industry upgrades and retrofits.

»PRODUCT RANGE



01 KR 120 R2500 pro
KR 90 R2700 pro



02 KR 210 R2700 extra
KR 180 R2500 extra
KR 150 R2700 extra
KR 120 R2900 extra
KR 90 R3100 extra



03 KR 240 R2500 prime
KR 210 R2700 prime
KR 180 R2900 prime
KR 150 R3100 prime



04 KR 300 R2500 ultra
KR 270 R2700 ultra
KR 240 R2900 ultra
KR 210 R3800 ultra



05 KR 150-2 Series 2000
KR 180-2 Series 2000
KR 210-2 Series 2000
KR 240-2 Series 2000
KR 270-2 Series 2000



06 KR 100 HA



07 KR 360-3
KR 500-3



08 KR 500-2 MT



09 KR 1000 titan



10 KR 40 PA



11 KR 100-2 PA
KR 180-2 PA



12 KR 300 PA
KR 470 PA



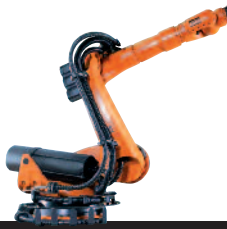
13 KR 700 PA



14 KR 1000 L 950 PA
KR 1000 L 1300 PA



15 KR 80 2 P



16 KR 100-2 P Series 2000
KR 120-2 P Series 2000



17 KR 360 L150-2 P



18 KR 30 jet
KR 60 jet



19 KL 250-3



20 KL 1000-2



21 KL 1500-3



22 KR 5 sixx



23 KR 5 scara



24 KR 10 scara



25 KR 5 arc



26 KR 5 arc HW



27 KR 6-2



28 KR 16-2
KR 16-2 S



29 KR 16 L6



30 KR 16 arc HW



31 KR 16 L8 arc HW



32 KR 6-2 KS



33 KR 16-2 KS
KR 16-2 KS-S



34 KR 16 L6-2 KS



35 KR 30-3
KR 60-3



36 KR 30 L16-2



37 KR 30-3 HA
KR 60-3 HA



38 KR 30-4 KS
KR 60-4 KS



39 KR 60 L 16-2 KS



40 KR 210 R2900 prime K
KR 180 R3100 prime K
KR 150 R3300 prime K
KR 120 R3500 prime K
KR 90 R3700 prime K



41 KR 270 R2900 ultra K
KR 240 R3100 ultra K
KR 210 R3300 ultra K
KR 180 R3500 ultra K
KR 150 R3700 ultra K
KR 120 R3900 ultra K



42 KR 150-2 K Series 2000
KR 180-2 K Series 2000
KR 210-2 K Series 2000

»COMMUNICATION THROUGH INTEGRATION

KUKA robots open up enormous potential. Intelligent control systems and software solutions from KUKA help to exploit this potential to the full. KUKA robot controllers are based on user-friendly Windows™-compliant user interfaces offering maximum functionality which can be mastered with a minimum of training. In this way, even complex systems can be started up quickly and easily and adapted at any time to new requirements or tasks.

»SMARTPAD – THE ADVANTAGES AT A GLANCE:

Systematic further development of the tried-and-tested KUKA operator control and programming concept

High mobility and work that is non-tiring thanks to the low weight of just 1,000 g

High screen resolution and generously-sized antireflection display for work that is easy on the eyes

Hot-pluggable. If the smartPAD is not required, it can be simply unplugged

Separate jog keys for direct control of eight axes / external axes – without switching

Direct saving and loading of configurations via USB port on the smartPAD itself

»KUKA SMARTPAD:

The more powerful the capabilities of the robots become, the more intuitive user interfaces for operator control of the robots are pushed into the foreground. The new KUKA smartPAD brilliantly demonstrates, on a large, high-resolution, antireflection touch screen, how robots can be operated intuitively.

»KR C4 – THE FEATURES AT A GLANCE:

Continuation of service-proven PC-based control technologies

Future-compatible technology platform without proprietary hardware

Robot, Logic, Motion, Process and SafetyControl in a single control system

Seamless integration of safety technology for entirely new fields of application

Innovative software functions for utmost energy efficiency

New fan concept for maximum energy efficiency

Maintenance-free cooling without filter mats

Highest performance in the smallest possible space

»KR C4 – THE CONTROL SYSTEM OF THE FUTURE:

More powerful, safer, more flexible, and above all more intelligent. The revolutionary concept of the KR C4 provides a firm foundation for the automation of tomorrow. It reduces costs in automation for integration, maintenance and servicing. The long-term efficiency and flexibility of the systems are increased at the same time.

	KR C4
Protection classification	IP 54
Weight approx.	185 kg
Dimensions (W x H x D)	960 x 792 x 596 mm
Networking	ProfiNet, ProfiSafe, Interbus, Profibus, EtherCat, EtherNet TP/IP



Control cabinet and smartPAD

» KUKA SOFTWARE SOLUTIONS

KUKA robots stand for maximum dynamism and innovative drive. Their intelligence is derived from a wide range of software options from the field of system integration and also from industry-specific software solutions.

»1. APPLICATION

Ready-made software packages for the most common robot applications simplify robot programming and reduce start-up times.

- KUKA.LASERWELD
- KUKA.GLUETECH
- KUKA.ARCTECH
- KUKA.PALLETTECH
- KUKA.PLASTTECH
- ...

»2. SIMULATION (KUKA.SIM)

The KUKA.Sim program allows you to simulate your planned application. This enables processes to be tested and, if required, optimized and validated before commissioning.

- KUKA.SIM PRO
- KUKA.SIM VIEWER
- KUKA.SIM LAYOUT
- KUKA.OFFICELITE

»3. PLANNING (KUKA.LOAD)

The KUKA.Load program is a tool for evaluating the load on a given KUKA robot or for selecting a suitable robot for a given load.

»4. CONTROLLER (KUKA.PLC)

As well as controlling the robot, the KUKA PC-based controller can also take over the control of your entire manufacturing cell – via an integrated KUKA.PLC.

»5. COMMUNICATION (OPC-SERVER)

OPC Server is a software interface for external access to system and user variables from anywhere in the network, ensuring smooth data exchange at all times.

»6. CONROL & OBSERVE (HMI STUDIO)

HMI Studio provides components for quick and easy creation of complex production screens and for cell visualization.

»7. KUKA REAL-TIME-TECHNOLOGY

KUKA real-time technology allows the coexistence of the Windows CE or VxWorks real-time operating system on the same machine as Windows XP/2000.

»8. KUKA.CONVEYOR

The KUKA.Conveyor program enables synchronization of the robot program sequence (motions, logic and I/O processing) with an externally controlled conveyor.

»9. SECURITY UPDATES

In order to give you, as our customer, security in your network architecture, you can obtain the latest updates from us for your KRC system.

»10. REMOTE CONTROL

KUKA is the first robot manufacturer to market robots that can be accessed via the world-wide web.



Touch screen of smartPAD

Simulation (KUKA.Sim)

Safe option

»KUKA ROBOTER GMBH THE IDEAL PARTNER FOR YOUR APPLICATIONS

KUKA Roboter GmbH is one of the world's leading manufacturers of industrial robots and is the No. 1 in Germany and Europe.

»MADE IN GERMANY

Development, manufacture and assembly are carried out at KUKA Roboter GmbH in Augsburg. This bundling of competencies allows us to develop innovative products, offer short delivery times and achieve maximum product quality

»PRODUCT RANGE

KUKA offers the largest range of products, with payload capacities from 5 kg to 1000 kg

»QUALITY

Only high-quality components from leading manufacturers are used in KUKA production. Internal quality checks and quality assurance programs ensure consistently high quality

»APPLICATION EXPERTISE

KUKA application experts work together with you and specialized system partners to find the optimal solution for your application in your sector

»CUSTOMER SERVICES

KUKA offers a wide range of services: from planning consultancy and start-up to training and system optimization. Custom-tailored maintenance and service agreements and a 24-hour hotline complete the spectrum for our customers

ROBOT RANGE

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