

## Industrial robotics \_KR SCARA



### KR SCARA

\_tailored to maximize  
production efficiency

Strong, fast, highly efficient. From assembly of small parts to material handling or inspection – the new, ultra-compact KR SCARA robots provide maximum efficiency and cost-effectiveness from the outset. They impress with extremely short cycle times, a payload capacity of 6 kg and reaches of 500 mm or 700 mm. With a wide range of integrated media supply systems, they can master virtually any task as standard.

#### Highlights KR SCARA

- Greater strength: maximum payload capacity of up to 6 kg
- Extremely short cycle times: as fast as 0.36s\* with a payload of up to 3 kg
- 500 mm or 700 mm reach: optimal for all applications in the standard workspace
- Low TCO: maximum availability with minimal service requirements and high energy efficiency
- Quick to integrate, reliable in operation: with a wide range of integrated media supply systems
- Ultra-compact: minimal footprint, streamlined design and internally-routed media supply for minimized disruptive contours and smart small cells

\*Cycle time according to the "Small Adept Cycle" reference standard

## KR SCARA

\_tailored to maximize production efficiency

All parameters geared towards utmost efficiency. The two new KR SCARA robots make automation simpler and ensure long-term cost-effectiveness even in extremely cost-sensitive markets. Equipped with intelligent features, both types from KUKA offer you an attractive overall package that is unique in its class: light and streamlined, with a payload capacity of 6 kg, and yet extremely fast and powerful. With a payload of up to 3 kg, they impress with a top cycle time as fast as 0.36 s\* with a reach of 500 mm and 0.38 s with a reach of 700 mm.

The KR SCARA robots feature an internally-routed media supply for air, power and data. A complete package for the smart integration of peripheral devices and fast adaptation of the robot to virtually any desired application. From assembly of small parts to material handling or inspection – the KR SCARA robots are flexible in installation, highly precise in motion and economical in maintenance. As latest-generation robots, they use state-of-the-art control technology from KUKA in the form of the KR C5 micro in order to solve and control tasks even more intuitively and cost-effectively.

### Greater performance at an attractive price

6 kg payload capacity, utmost precision, short cycle times and low weight at a favorable price

### Optimally adaptable to any task

Media supply in the complete package to enable fast adaptation of the robot to virtually any desired application

### Certified quality

Internationally certified to EU standard CE

### Robust in its work environment

Operational in the entire temperature range from 5° to 40° Celsius, IP protection class 20



KR SCARA	KR 6 R500 Z200	KR 6 R700 Z200
Number of axes	4	4
Payload (maximum / rated)	6 kg / 3 kg	6 kg / 3 kg
Reach	500 mm	700 mm
A3-stroke	200 mm	200 mm
Cycle time*	0.36 s	0.38 s
Repeatability	0.02 mm	0.02 mm
Installation	Floor	Floor
Footprint / drilling pattern	262 x 190 mm / 150 x 150 mm	262 x 190 mm / 150 x 150 mm
Temperature range	5° C – 40° C	5° C – 40° C
Protection class	IP20	IP20
Integrated energy supply	Electronic (15 pin and 9 pin: D-Sub) Air Ø 6 x 2, Ø 4 x 2	Electronic (15 pin and 9 pin: D-Sub) Air Ø 6 x 2, Ø 4 x 2
Control panel	KUKA smartPAD	KUKA smartPAD
Controller	KR C5 micro	KR C5 micro
Certification	CE	CE

### Integrated media supply for air, power and data

For minimum disruptive contours and maximum reliability in operation. Factory-prepared for the safe, quick and simple integration of peripheral equipment.

### KR C5 – latest-generation controller

Top performance and connectivity in an ultra-compact package. The KR C5 micro unites robot, PLC, motion and safety control in a housing with a volume of just 16 l.

\*Cycle time according to the “Small Adept Cycle” reference standard

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