



Perfect solutions for
all spraying applications
_ready2_spray



KUKA ready2_spray: Best-in-breed spraying application by KUKA and Dürer

KUKA ready2_spray represents, one-stop shopping for high technology from two market leaders. The KR AGILUS KR 10 R1100 EX 2G is a six-axis robot with a maximum reach of 1,100 mm and a payload of up to 10 kg. Equipped with a Dürer painting application along with the technology for one- or two-component application, high or low pressure and water- or solvent-based paint, the KR AGILUS KR 10 R1100 EX 2G is the perfect choice for electrostatic paint application since it meets the requirements of various industries.

ready2_spray at a glance:

- KR AGILUS KR 10 R1100 EX 2G
- 1K / 2K paint application from Dürer
- KUKA controller KR C4 combined with the Dürer EcoAUC control unit

Best-in-breed spray application by KUKA and Dürr. A worldwide premiere in its payload and reach class. This best-in-breed spray application is the unique result of combining the forces of the best-in-class robot manufacturer KUKA and the expertise of Dürr. KUKA, one of the leading robotics companies, joins strengths with one of the world's painting application leaders. The collaboration of KUKA and Dürr reflects the demand for high quality and affordable packages available on a global scale.



The ready2_spray packages provide the following highlights:

- Fully integrated process equipment (atomizer, pump, color changer)
- Preinstalled equipment for fast ramp-up time, fast commissioning and easy integration
- Easy accessibility of all components
- Suitable and certified for ATEX EX II 2G IIC T4
- Modern user interface in your language
- Available for high pressure and low pressure applications
- Various bus systems for communication with a variety of modules
- Explosion-proof robot with 6 axis and a reachability of 1,100 mm
- Flexible control system for motion and process
- Various interfaces to connect with third-party devices (e.g. Line-PLC)
- Suitable for wall, ceiling or floor installation
- Flushing duration < 45 seconds
- HMI: Non-explosion proof KUKA smartPAD to control all robot-related features

KR AGILUS	KR 10 R1100 EX 2G	KR 10 R1100 C-EX 2G	KR 10 R1100 W-EX 2G	ES16 KR 10 R1100 EX 2G
Max. reach	1,101 mm	1,101 mm	1,101 mm	1,101 mm
Rated payload	10 kg	10 kg	10 kg	10 kg
Pose repeatability	±0.03 mm	±0.03 mm	±0.03 mm	±0.03 mm
Number of axes	6	6	6	6
Mounting position	Floor, ceiling, wall	Floor, ceiling, wall	Floor, ceiling, wall	Floor, ceiling, wall
Robot footprint	209 mm × 207 mm	209 mm × 207 mm	209 mm × 207 mm	209 mm × 207 mm
Weight (excluding controller), approx.	54 kg	54 kg	54 kg	54 kg
Controller	KR C4 EU RAL7035 EX 2G DC4 X11	KR C4 EU RAL7035 EX 2G DC4 X11	KR C4 EU RAL7035 EX 2G DC4 X11	KR C4 EU RAL7035 EX 2G DC4 X11
Supply line	7m CON EX II 2G IIA T6	7m CON EX II 2G IIA T6	7m CON EX II 2G IIA T6	7m CON EX II 2G IIA T6

Dürr spray applications:

- Compact structure with modern design
- Default brushes and automatic sequences for purging and pre-charging
- Control of color changer with 2–10 colors
- Control of high-speed rotating atomizer with external or direct charge
- Control of automatic spray guns or high rotational atomizers
- Dosing via dosing pump or paint pressure regulator
- Safety interface for emergency stop and fire alarm



Identical to the EcoAUC package

- Processes: 1K / 2K
- Nr. of colors: 10
- Nr. of catalysts: 3
- Applicator: EcoBell2 / EcoBell2 DC / EcoBell2 EC / EcoGun AS Auto / EcoGun AA Auto / EcoGun AL Auto



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