

KUKA



Robust. Compact.

Extremely resistant.

KR QUANTEC nano F exclusive.

KR QUANTEC nano F exclusive – optimized for use in washing cells

THE ROBUST WASHING PROFESSIONAL:

This compact foundry specialist has all of the characteristics of the KR QUANTEC F series and is also specially optimized for the extreme conditions in cleaning systems and medium- or large-sized washing cells. For making parts cleaning operations cost-effective, reproducible and environmentally friendly. The robot meets the requirements of protection rating IP 69, while its in-line wrist meets those of IP 67 and IP 69. The KR QUANTEC nano F exclusive thus sets new standards for comprehensive automation solutions in the foundry and engine production sectors.

EQUIPPED WITH MANY EXCLUSIVE FEATURES:

The KR QUANTEC nano F exclusive boasts a complete encapsulation of the mechanical system and pressurization of the interior of the robot, specially coated gear units, double Viton seals throughout the entire robot arm and a fully internally routed cable set. The protective coating is resistant to alkalis, acids, heat and corrosion – and, of course, there is the option of an external energy supply system. As a result of the high IP 69 protection rating, this robot is ideally suited for wet chemical cleaning as well as immersion and high-pressure cleaning processes – even when using aggressive cleaning agents and disinfectants.



KR 120 R2100 nano F exclusive



Max. reach	2,100 mm
Rated payload	120 kg
Rated suppl. load on arm / link arm / rot. column	30 kg/-/-
Maximum payload	150 kg
Pose repeatability	±0.06 mm
Number of axes	6
Mounting position	Floor
Variant	
Robot footprint	615 x 860 mm
Weight (excluding controller), approx.	963 kg
Remote RDC	YES

Axis data / Range of motion			Speed
Axis 1 (A1)	+/-165°		136°/s
Axis 2 (A2)	+45°/-135°		95°/s
Axis 3 (A3)	+155°/-65°		120°/s
Axis 4 (A4)	+/-350°		292°/s
Axis 5 (A5)	+/-125°		258°/s
Axis 6 (A6)	+/-350°		284°/s



Controller

KR C4, VKR C4

Operating conditions

Ambient temperature +10 °C to +55 °C



Teach pendant

KUKA smartPAD

Protection rating

Protection rating, robot IP 69

Protection rating, in-line wrist IP 67, IP 69

 Foundry

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