

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	F
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

F Foundry

KUKA Roboter GmbH

Zugspitzstraße 140, 86165 Augsburg, Germany, Phone: +49 821 797-4000, www.kuka-robotics.com

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.

KUKA